

DELABIE

Water Controls for Public
and Commercial Places

Offices, Education, Sport & Leisure, Stadia, Transport, Secure Sector, Factories, HORECA



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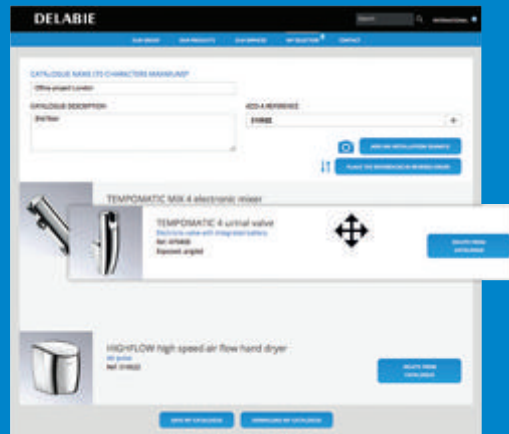
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CREATE A PERSONALISED CATALOGUE

Create your own catalogue using your own product selection.

You can personalise it by giving it a project name and description, by choosing the order for the products to appear and by adding lifestyle images.

This catalogue will then be available in Word, PDF and Excel formats.

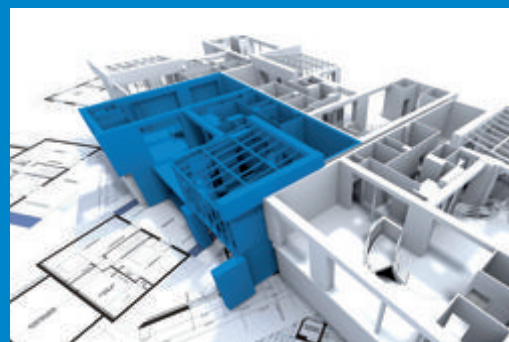


DATASHARE: ALL THE DOCUMENTS ARE FREELY AVAILABLE

Datashare is DELABIE's platform to download files.

There is no need to sign-in.

Product files, technical descriptions, photos, line drawings, BIM and AutoCAD files, installation guides and certificates are all available online.



BIM: DELABIE'S CORE PRODUCTS ARE NOW AVAILABLE

To meet the requirements of BIM technology, DELABIE has modelled its core products.

Available in 2 formats - REVIT and IFC, the files can be downloaded via the relevant product data sheet or via datashare.

The list of references available in BIM format is available in Our Services - BIM Files.



Certification
ISO 9001: 2015
quality management
system

ACS

Certificate of Sanitary Conformity.

All DELABIE products conform to the CPDW* directive modified 29/05/1997, and the French Ministry of Health circular DGS/SD7A2002 no. 571 dated 25/11/2002.

* Construction Products in Contact with Drinking Water (European Commission).



SUITABLE FOR TABLETS AND SMARTPHONES



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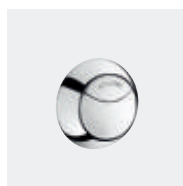
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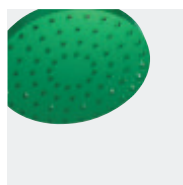
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WATER SAVINGS

Water, a precious resource

Water bills are increasing due to the scarcity of water and the increasing costs of treatment and redistribution. In developed countries, average **water consumption** per person has **multiplied by 10 in a century** and doubled in the last 30 years. (Source: Centre for Information about Water, France).

In **public and commercial places**, the average consumption is 50% higher than for domestic use. It represents **200 litres per day, per person**. In some specific environments (hospitals, hydrotherapy centres, etc.) it can even exceed 500 litres per day, per person. In these environments the users' behaviour is different as they are not the ones who pay. Any malfunctions or leaks take longer to be reported and fixed than in a domestic household.

Lowering water consumption

For better control of water consumption, the flow rates of DELABIE's water controls are among the lowest in the world: **3 lpm** for basins and **6 lpm** for showers.

Split delivery and automatic shut-off systems remove the risk of waste through user negligence. The time flow on basin controls is limited to **7 seconds**.

The WCs' **3L/6L dual flush**, the urinals' **3-second flush** or the electronic urinals' **high-frequency mode**, are all examples of ways to optimise water consumption.

All these DELABIE solutions and systems ensure **significant water and energy savings**, without compromising efficiency or user comfort.

Example of annual water savings

	Airport	Service station	Offices
Number of basins	1,500	20	125
Number of uses / day	600	250	30
Number of days open / year	365	365	230
Consumption / year (domestic 9 lpm)	1,576,800m ³	8,760m ³	4,140m ³
Consumption / year (DELABIE 3 lpm)	197,100m ³	1,095m ³	518m ³
Annual savings Excluding VAT	8,278,200€	45,990€	21,735€

Average price per m³ of mixed water in France: 6€ excl. VAT.
See water consumption comparison page 19.

ENVIRONMENTAL LABELS

DELABIE's mixers and taps are designed for public and commercial places. Their performance level fully exceeds the highest standards required by accreditation schemes such as WELL, WEPLS, EU Ecolabel, European Water Label, etc. which are mostly concerned with domestic mixers and taps.

DELABIE is committed to the main environmental labels for buildings such as **BREEAM**, **LEED**, **HQE**, **ESTIDAMA**, etc. Solutions for optimising flow rates and automatic shut-off are examples of ways to reduce water and energy consumption.

DELABIE's mixers and taps can help project managers achieve the highest performance levels for buildings within these schemes. *For more information see page 8.*

DESIGN

Commercial environments and design

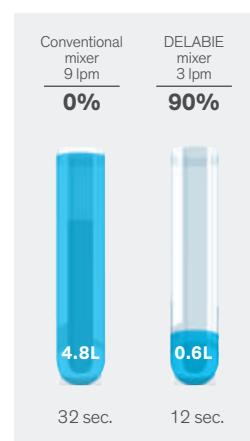
DELABIE's products, known for their endurance and reliability, have a **timeless design**.

The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings. In prisons, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

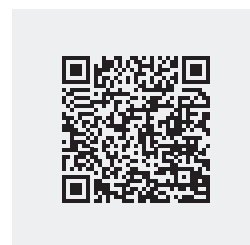
Aesthetic products are subject to less vandalism as they are better respected. The **smooth shape** of the mixers and taps reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms provides easy maintenance.



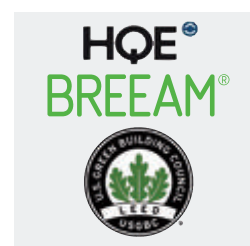
Water saving per use (electronic basins)



Optimal time flow (basins)



Discover our water savings video



Building ratings



Timeless design

COMFORT AND ERGONOMICS



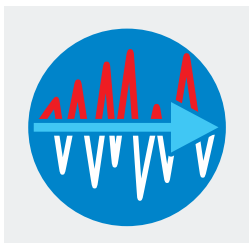
Soft-touch operation



No manual contact



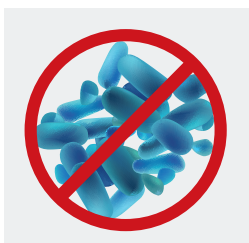
Anti-scalding safety



Temperature stability



Reducing the risk of harm



System hygiene

Adapting to each individual

DELABIE's products are suitable for **all types of public and commercial places**: schools, airports, service stations, etc. The solutions are designed for all types of user regardless of their age, culture, or level of independence: the use of DELABIE's products is intuitive. Some models incorporate automated features.

Preserving user comfort

Washrooms in public and commercial places should provide the user with the **same level of comfort found at home**.

Thermostatic controls deliver water at a **stable temperature**. The progressive temperature lever ensures safe temperature control. **Soft-touch operation** or **automatic** systems are easy for the elderly, disabled people or children to use. Direct flush valves have a **low acoustic level** and comply with the European standard EN 12541 class II. The shower head nozzles, regulated at only 6 lpm, and flow straighteners provide a comfortable water flow.

A WIDE PRODUCT RANGE

A **diverse product range** enables DELABIE to meet the needs and requirements of public and commercial environments.

DELABIE's products fit **basins, showers, urinals** and **WCs**.

Water controls are available in various **different models**: deck-mounted, wall-mounted, recessed or cross wall for the secure sector, for example. **Different technologies** are available: electronic, time flow, mechanical and instant controls. Thermostatic mixers, anti-blocking systems, waterproof housings, soft-touch operation, etc., are amongst the examples of features adapted to specific uses.

SAFETY

Anti-scalding

The temperature of sanitary hot water found in systems is very high. All DELABIE mixers are fitted with a maximum temperature limiter. On thermostatic models, the **anti-scalding safety** instantly shuts off the supply of hot water in the event of cold water supply failure.

Temperature stability

PREMIX and SECURITHERM **thermostatic mixers** regulate the temperature precisely. Even if there are pressure variations between the cold and hot water supplies, the temperature remains stable.

Reducing the risk of harm

User safety is taken into account right from the product design stage. Rounded and de-burred edges prevent any risk of injury. The streamlined and sleek design provides additional security.

HYGIENE

Maximum user hygiene

Time flow and electronic controls offer maximum hygiene to users. **No manual contact** after the valve shuts off, prevents the spread of germs by hand. An automatic flush guarantees rinsing after each use. Good hygiene is ensured for the next user.

System hygiene

Unused mixers or taps (isolated point-of-use, washrooms closed during the holidays, etc.) leads to water stagnation in the system and can cause the development and proliferation of bacteria. All DELABIE's electronic controls are fitted with a **duty flush** programme. An automatic flush activates every 24 hours after the last use.

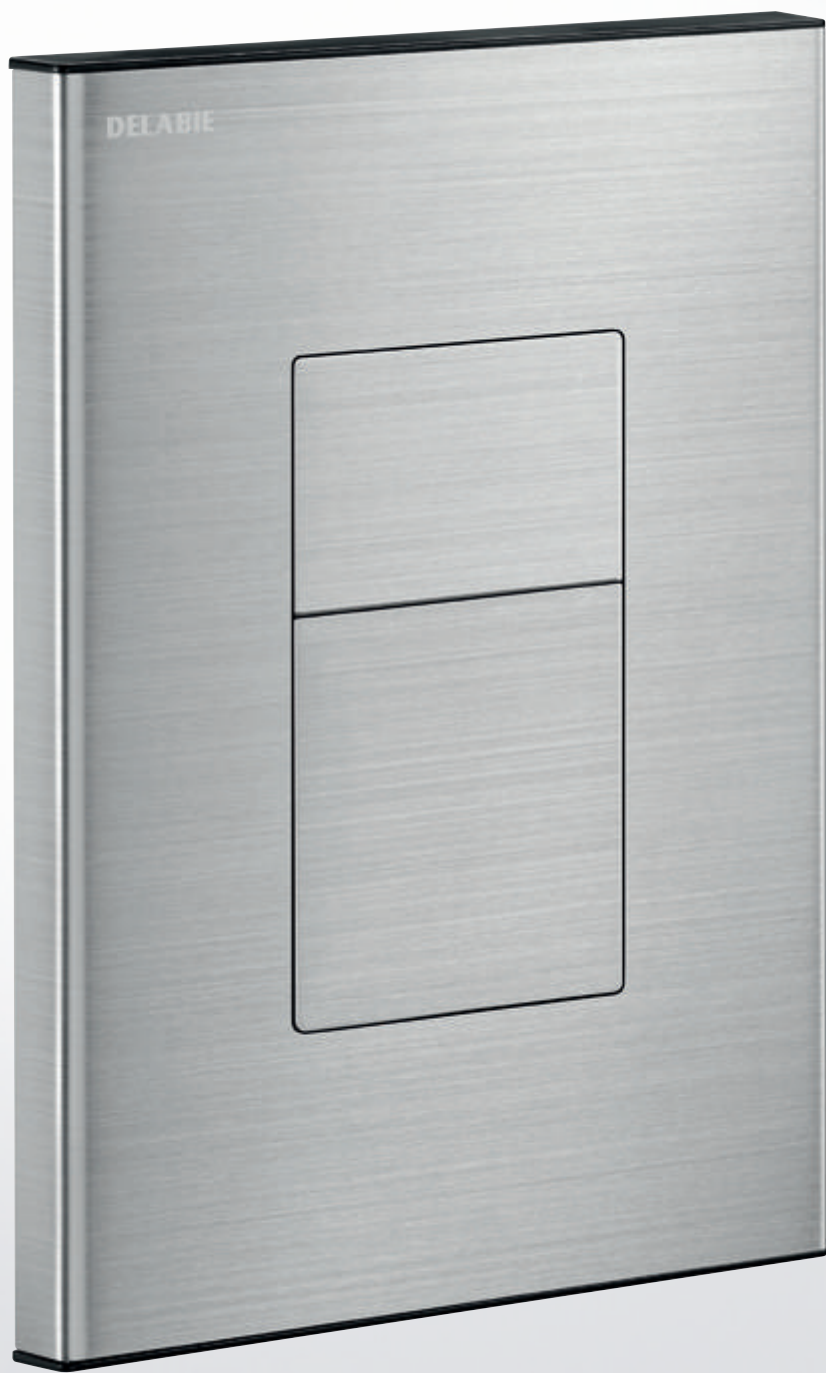
In WCs with cisterns, stagnant water at ambient temperatures encourages the development of bacteria. **Direct flush** systems are one of the many solutions DELABIE offers for maximum hygiene in public and commercial places.

These different concepts offered by DELABIE mean that installations can comply with new European standards (German regulation Trinkwasser, French Directive of the 1st February 2010, etc.).

Pathogen-free mixers and taps

DELABIE's water controls are tested in water prior to dispatch. To ensure that products are not contaminated, DELABIE has developed a rigorous **bactericidal water treatment process**.

Regular bacteriological surveillance is recorded, leading to immediate action in the event of detection. DELABIE guarantees that dispatched **products contain no traces of pathogenic bacteria**.





VANDAL-RESISTANT

DELABIE's controls have been specifically made from durable materials such as brass, stainless steel and reinforced fibreglass to withstand voluntary and involuntary vandalism.

DELABIE's products have a sleek design to limit the possibility of unwanted removal. To prevent abuse and waste, certain models are fitted with an **anti-blocking system**.

In areas with high levels of vandalism, **cross wall** or **recessed** models are ideal. The mechanisms and fixings cannot be accessed by the user.

EASY TO INSTALL

To save time during installation, DELABIE's products are **quick to install and adjustments are kept to a minimum**.

Flow rates are pre-set at economical levels which prevent splashing and require no further adjustment, even for group installations.

Flow rates can still be adjusted to avoid excessive or insufficient pressure and/or achieve optimised levels for environmental labels.

Automatic flow rate regulation is integrated, for example, in the shower systems.

Shower panels are delivered ready to install. Basin mixers are supplied with flexibles that have pre-fitted stopcocks, filters and non-return valves.

MINIMAL SERVICING

All DELABIE's mechanisms are made from **scale-resistant materials** and are **self-cleaning**. The timing systems are made from Hostaform® (a smooth material on which scale does not adhere).

Flow straighteners and shower head nozzles have a special system which reduces water retention and the build-up of scale.

All mixers/taps are supplied with **filters**, to protect the controls from impurities found in the system.

SIMPLE TO MAINTAIN

DELABIE's mechanisms are integrated in the one-piece modules. Access is easy with no need to remove the tap or valve, whilst guaranteeing resistance to vandalism.

Components are standardised and interchangeable. Electronic systems have integrated LEDs to aid diagnostic checks.

DELABIE's technical support is available to provide any assistance necessary. All installation guides are available online at www.delabie.com.

RELIABILITY

Superior endurance

All DELABIE's products are subjected to endurance tests under extreme conditions in DELABIE's laboratories.

The products are designed specifically for intensive use in all types of public and commercial environments and in highly frequented places.

Resistance to intensive use

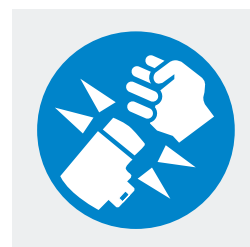
The average lifespan of the batteries is as much as 350,000 cycles, i.e. **3 to 6 years**.

Mechanisms with calibrated groove timing systems or solenoid valves are self-cleaning. Their lifespan is a minimum of **500,000 operations**.

There is no metal-metal or metal-plastic friction, ensuring reliable and durable timing.

WARRANTY

All DELABIE's time flow and electronic controls have a 10-year warranty.



Vandal-resistant



Anti-blocking system



Flow rate adjustment



Simple to maintain



Superior endurance



ENVIRONMENTAL LABELS

Saving drinking water is a growing concern, whether it is to achieve green credentials for a building or, more generally, in an ecological context.

An adapted mixer, tap or valve ensures the sanitary quality of the water and its sustainable use.

Today, many project owners want an accreditation for their building as solid proof of its environmental performance.

Destined for accommodation, industrial or commercial use, the certified building sees its heritage value increase with a "sustainability stamp".

In the current context of global warming and the rising cost of energy resources, sustainable use of the building is synonymous with saving energy.

Reducing water consumption is also an integral part of achieving accreditation.

These savings also help to reduce the energy bill by reducing the energy required to heat the water (it takes approximately 34kW to heat 1m³ of water).

DELABIE is committed to the environmental approach for buildings in accordance with the main environmental labels such as BREEAM, LEED, HQE, ESTIDAMA, etc.

DELABIE is also participating in the development of an environmental label as part of the [European Bathroom Forum](#). This label is voluntary and will come into effect when it is approved by the European Commission.



THE ADVANTAGES OF SPECIALIST WATER CONTROLS FOR PUBLIC PLACES

The DELABIE Group, committed to preserving the future, contributes to sustainable development by **limiting the use of natural resources**.

Water savings

DELABIE's water controls (electronic and time flow) reduce waste and prevent user neglect.

Water volumes are optimised to the necessary minimum without altering efficiency and comfort during use.

“**Choosing DELABIE products is choosing environmentally friendly products**”

Water controls which shut-off automatically reduce waste and prevent user neglect.

This is achieved when hands are removed from the detection zone (for electronic controls) or after a timed flow (for time flow controls): 7 seconds for washbasins and WCs, 30 seconds for showers and 3 seconds for urinals.

For perfect optimisation of the water resource, **the flow rates** of DELABIE's water controls are **reduced** to 1.5 lpm for washbasins, 6 lpm for showers or 9L for urinals.

“**Automatic shut-off and reduced flow rates for better control of water consumption**”

WCs with 3L/6L dual flush, **adaptable flush programmes** on the electronic controls and **the high-frequency mode** on urinals are additional ways to save water.

“**DELABIE designs ecological water controls**”

DELABIE's water controls support **an environmental and ethical approach**

The first principle of saving water is to **prevent waste**

GREEN time flow solutions

DELABIE's time flow controls operate **independently** without electrical supply, therefore, they **do not consume any energy**.

“**Autonomous time flow controls**”

They are made from **sustainable materials that are 100% recyclable**.

They are equipped with **self-cleaning**, time flow **mechanisms**. Their lifespan exceeds 500,000 operations.

Economical electronic solutions

DELABIE's electronic controls require **very little energy** to operate.

The battery-operated versions operate independently for **3 - 6 years** on average. They use standard, affordable and recyclable batteries.

“**Economical electronic water controls**”

Effective direct flush system for WCs

Flush valves consume a significant amount of water.

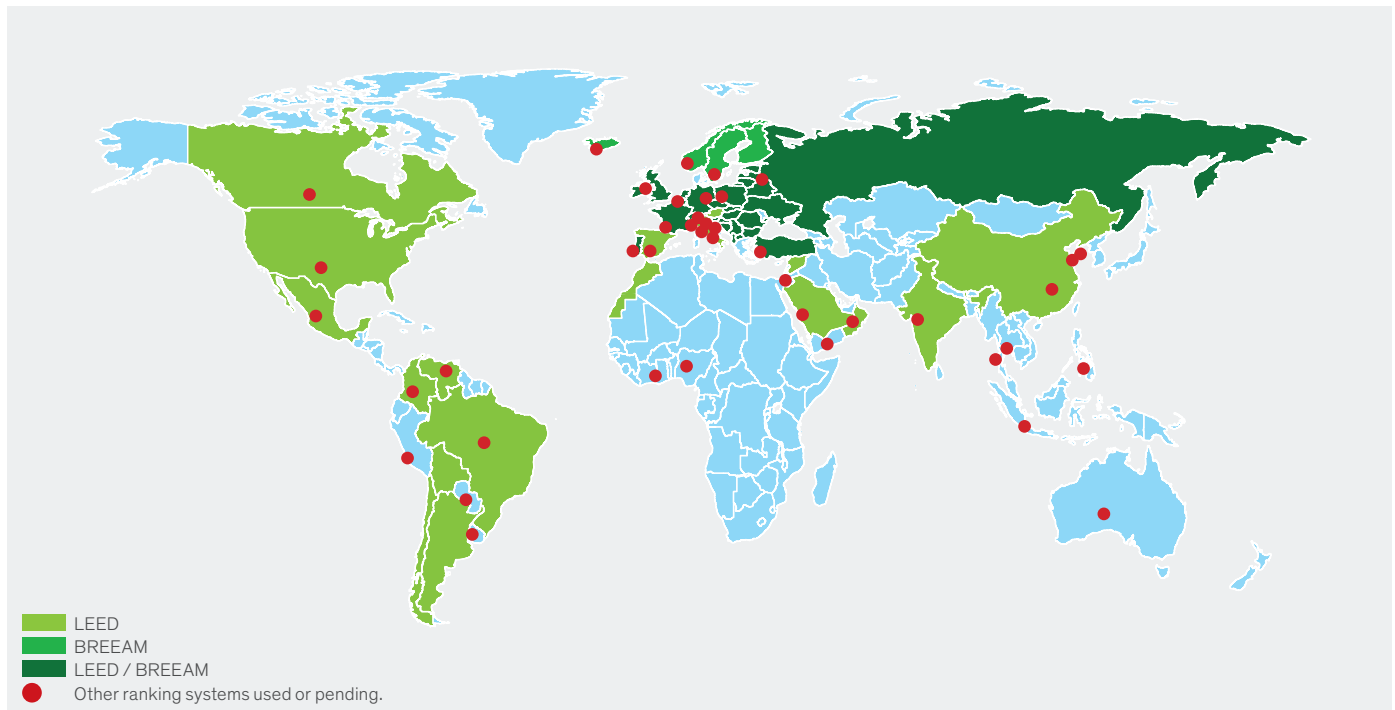
Leaks from cisterns are practically invisible and can quickly inflate the water bill.

DELABIE develops **direct flush systems** exclusively. Connected directly to the system, the flush is more effective, with no water stagnation and a reduced risk of leaks. The flush mechanisms are reinforced for intensive use.

The **3L/6L dual flush, which can be adjusted to 2L/4L**, on the time flow versions, helps to reduce the water volume. Electronic water controls offer **intelligent flushing** which adapts to the required use.

Sustainable water controls

In addition to their undeniable advantages in terms of sustainable development, they also provide guarantees of **reliability, simple maintenance** and **hygiene**.



THE PRINCIPAL ACCREDITATION SCHEMES FOR BUILDINGS



American LEED

Leadership in Energy and Environmental Design

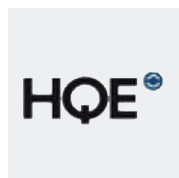
- High environmental quality buildings
- Global evaluation for buildings
- Credit system
- 4 levels of certification

BREEAM®

British BREEAM

BRE's Environmental Assessment Method

- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system



French HQE

"Haute Qualité Environnementale"

- Environmental approach
- Controlling the building's lifecycle
- Points system
- 3 levels of performance



Dutch BREEAM NL

BRE's Environmental Assessment Method

- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system



German DGNB

"Deutsche Gesellschaft für Nachhaltiges Bauen"

- Sustainable quality and building development
- Hydro-economic solutions
- New buildings
- Points systems with 3 levels of certification



German BNB

"Bewertungssystem Nachhaltiges Bauen für Bundesgebäude"

- Sustainable approach
- Controlling the building's lifecycle
- Public buildings
- Points systems with 3 levels of performance



Middle Eastern ESTIDAMA

Sustainable development

- Sustainable way of life
- Methodology for building design
- Preservation of Abu Dhabi
- 3 levels of certification

ENVIRONMENTAL LABELS

The performance levels of DELABIE's water controls, in terms of water and energy savings, help to achieve the highest levels of the international environmental labels.



EUROPEAN AND GLOBAL CERTIFICATION

ACS

ACS: "Attestation de Conformité Sanitaire"
CPDW directive
Decree of 29 May 1997, amended
Ministry of Health Circular
DGS/SD7A2002 no. 571 of 25 November 2002

CE

CE certification
for electronic controls:
2014/30/UE and
2014/35/UE directives



NF EN certification
French and European standards
NF EN 816
NF EN 1111
NF EN 15091



Certification
ISO 9001: 2015
Quality Management
System



The NF mark - SANITARY FITTINGS

Certificate of product conformity
- to the certification repository approved by CSTB and AFNOR
- to the additional technical requirements demanded by the market.

The products shown here comply with the French and European standard EN 816:
taps/valves with automatic shut-off. *Decision no. 341-M1-18/2 of 26 March 2018*
pronounced after tests undertaken in the CSTB laboratory.

Simple taps with automatic shut-off

Type of product	References	Acoustic class	Lap
L01 Basin	746000	I	18
L02 A Basin	745100	I	15

Mixers with automatic shut-off

Type of product	References	Acoustic class	Lap
M01 Shower	790000	II	26
M02 Basin	795000	I	13



European water label (EU)



TMV3 (UK)



WRAS (UK)



BELGAQUA (BE)



WATERMARK (AU)



Ü ACOUSTIC (DE)



DIN-DVGW (DE)



GVD approval (DK)



PZH (PL)



ZNAK BUDOWLANY B (PL)



GA (HK)



WELS (HK)



WATER QUALITY: VARIOUS MONITORING POLICIES

France, Germany, the United Kingdom and the majority of European countries, each has their own specific regulatory requirements for monitoring bacteria in water systems.

These regulations have a common premise that can be found everywhere (circulating loops, hot water temperatures, etc.) but they also have specific aspects that could provide inspiration for other countries.

In the majority of European countries **there is a legal obligation to safeguard the bacteriological quality of the water in the system by regular monitoring, sampling and analysis.** However, the methods, and subsequent follow-up action, differ.

In France, the search for **legionella** is obligatory. The Directive of 1st February 2010 identifies three levels of monitoring and sampling protocols. Since 1st January 2012, monitoring has been extended to all buildings open to the public. Germany has adopted the same threshold levels as France, while the United Kingdom is stricter: it conducts additional testing at levels over 100 Colony Forming Units per litre (CFU/L) and initiates curative procedures above 1,000 CFU/L.

Pseudomonas aeruginosa, considered the third largest cause of fatal nosocomial infections, is also being monitored. In France there aren't any regulations. Nevertheless, the technical guide "*Water in healthcare establishments*", drawn up in 2005 by a working group under the aegis of the Ministry of Health, mentions the monitoring levels for *Bacillus pyocaneus* (*Pseudomonas*). This guide recommends quarterly checks at points where water is considered to be representative of the actual quality of distributed water.

The *Department of Health and Social Care* (DHSC), Ministry of Health for the United Kingdom, has addressed the issue of tap and water system contamination by this bacteria.

The *Health Technical Memorandum* (HTM 04-01), updated in 2017, provides guidance on best practice for monitoring and testing for these two pathogens, and identifying the level of contamination in water, to ensure compliance with current regulations. For *Pseudomonas aeruginosa*, action is initiated as soon as the alert level is reached, that is to say, above 1 CFU/100mL, as is done in France.

In Germany, in the framework of monitoring for *Pseudomonas aeruginosa*, hospitals and healthcare establishments must test twice a year. The satisfactory level is 0 CFU/100mL.

Remember that this bacteria which colonises the system from the interior of tap/mixer spouts, rapidly becomes entrenched. If no solution is put in place once *Pseudomonas aeruginosa* is established in a mixer or tap, it will progressively colonise the tails and pipework. At this stage it will be impossible to eradicate and will become a threat to the whole system.

4.1 million
healthcare acquired
infections in Europe
of which
37,000
are fatal

30%
of cases
of legionnaires
disease are in public
or commercial
places

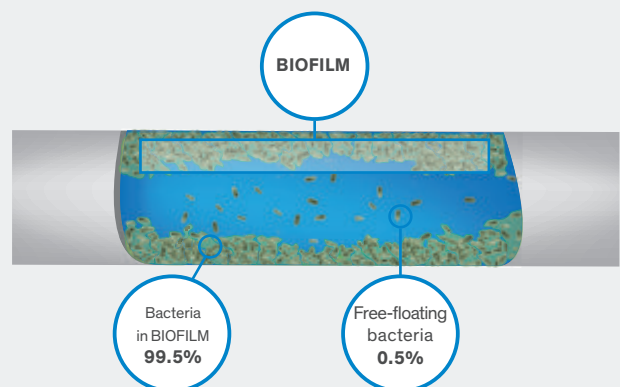


Regardless of the material of which the pipework and water controls are made, **biofilm** will form in all sanitary installations after a few weeks or months of operation.

This biofilm is the source of one third of nosocomial illnesses. According to the *National Institute for Health and Care Excellence* (NICE, 2014), it is estimated that 300,000 patients in England acquire a nosocomial infection as a result of care within the National Health Service.

The *European Centre for Disease Prevention and Control* (ECDC) calculates that healthcare-acquired infections affect 4.1 million patients every year and are responsible for 37,000 deaths annually.

Not forgetting that non-healthcare buildings that are open to the public are also at high risk. In effect, according to statistics by the *French National Institute for Public Health Surveillance* (InVS), 30% of *Legionella* cases identified in 2015 were linked to visits to hotels, tourist accommodation, campsites, swimming pools and sports stadia, compared to 14% linked to healthcare facilities (hospitals, retirement homes, etc.).

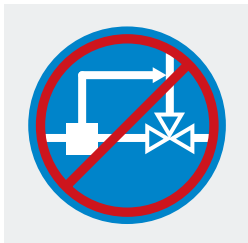


“Hotels, tourist accommodation, campsites, swimming pools, stadiums, etc. are equally high risk.”

EUROPEAN WATER QUALITY REGULATIONS



Stagnation prohibited



Bypass prohibited



Measuring pressure



Measuring the temperature



Training relevant personnel

Regular flush

According to the French, German and English regulations, water stagnation (in sanitary installations and mixers and taps) is a key factor in bacterial contamination.

The **European standard EN 806-5** requires that those sections of the installation that are used infrequently should be flushed at regular intervals.

The recommended interval is once a week.

All public and commercial buildings are affected, in particular schools and council buildings during the school holidays, campsites out of season, unoccupied hospital rooms, etc.

The German Directive of April 2013, *Hygiene in Drinking Water Installations VDI/DVGW 6023*, requires purging to be carried out after 72 hours of stagnation in a sanitary installation (this also includes storage tanks).

Note that the water in the bypass is not sufficiently renewed. They are therefore prohibited.

If an installation is not used for 72 hours, rigorous protocols are put in place. DELABIE sees this as a step forward and proposes technical solutions to meet this requirement (see *opposite: electronic controls*).

“The German directive requires purging to be carried out after 72 hours of stagnation.”

Undersized pipework

The German regulation strictly prohibits oversized pipework because they promote bacterial growth by reducing the water velocity.

DELABIE, along the same lines, recommends slightly decreasing the diameter of the pipes to increase the water velocity to 2m/sec. (likewise the French regulation (DTU) recommends 1.5 m/sec.).

This measure prevents the excessive development of biofilm and helps to reduce the risk of contamination without increasing noise levels.

“Oversized pipes are strictly prohibited.”

Training

Understanding the problems associated with bacterial growth in water systems helps to limit the risk of contamination.

Although French legislators have not yet focused on **training those responsible for the water system, it is embedded and pursued in Germany** (with three training levels, depending on the level of responsibility) **and in the United Kingdom** (with personnel competency and training programmes monitored by the *Water Safety Group*).

“Training those responsible helps to control bacterial proliferation.”

Circulating loops

A circulating loop up to the point-of-use is not recommended. It doubles the length of the pipework and therefore double the water volume. The biofilm surface is increased and, as a result, the risk of bacterial development. Moreover, it makes it difficult to maintain high temperatures at all points in the circulating loop.

Finally, it also makes it difficult to keep the pipe run volume to less than the 3 litres recommended by European directives. Indeed, if the water temperature in a circulating loop is less than 50°C or 55°C (depending on the country), the water volume in the circulating loop must be included in the 3 litre maximum calculation.

“A circulating loop up to the point-of-use is not recommended.”

Building Management Systems

Contrary to popular belief, Building Management Systems are not recommended by European directives as they can be complicated, difficult to handle and extremely costly and do not take away liability if a problem occurs.

Indeed, changing the setting adjustments, which is possible on these systems, can be dangerous and implies a high degree of liability.

DELABIE'S SPECIFIC ADVANTAGES

DELABIE is particularly concerned with the fight against, and prevention of, bacterial development. The company is constantly developing new products with unique features.

Electronic controls

DELABIE's models are programmed with a periodic duty flush.

An **automatic flush** takes place every 24 hours after the last use, to prevent water stagnation and, therefore, bacterial proliferation.

Similarly, DELABIE has developed a **reduced-stagnation solenoid valve (patented)**.

Unlike all other available models which have areas of permanent water stagnation, the water is completely renewed inside DELABIE's solenoid valve.

For more information see page 19.

Thanks to these characteristics, DELABIE's electronic controls are the only ones to guarantee a regular and complete renewal of the water in all the internal parts, avoiding any risk of bacterial proliferation. They are therefore the only ones which comply with the European standard EN 806-5.



Reduced-stagnation solenoid valve

DELABIE's electronic controls are unique in being able to guarantee a **regular and complete renewal of the water** in all the internal parts.

Required by the standard EN 806-5

Thermostatic mixing valves

To reduce the risk of bacterial development (legionella etc.), public and commercial buildings should distribute hot water at temperatures of at least 50°C (55°C in healthcare facilities). To reduce the risk of scalding, all DELABIE's thermostatic mixing valves are fitted with **special safety devices**.

They are supplied with a maximum temperature limiter pre-set at the factory.

The PREMIX range of group thermostatic mixing valves allows the facilities manager to maintain temperatures that comply with the regulations while ensuring user safety.

For more information see page 129.

Scalding can also be prevented at the point-of-use itself thanks to the SECURITHERM range of mixers and shower panels.

PREMIX and SECURITHERM models ensure that the hot water supply shuts off if the cold water supply fails.

Direct flush with no cistern

The insides of toilet cisterns are covered in biofilm. The large surface area of cisterns, plus water stagnation, make the cistern a major risk factor for the proliferation of bacteria; they can spread in sanitary installations.

By removing the need for toilet cisterns, DELABIE's direct flush valves eliminate the risk of bacterial proliferation.

For more information see page 182.

Flush system with no cistern

- ▶ no water stagnation
- ▶ no bacterial development



TEMPOMATIC 4
Automatic duty flush
Reduced-stagnation solenoid valve



PREMIX
Maintains the temperature in the system
Anti-scalding safety



TEMPOFLUX 3
Direct flush with no cistern



Basins

ELECTRONIC
CONTROLS
19



TIME FLOW
CONTROLS
39



HANDS-FREE
CONTROLS
58



WATER FOUNTAIN
FITTINGS
AND HAND-WASH
BASINS
60



ADDITIONAL
FITTINGS
61





HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact

DELABIE's electronic mixers and taps are operated by active infrared detection. Flow opens when the detector senses hands and shuts off automatically when hands are removed from the detection zone.

No manual contact prevents the spread of germs by hand.

Anti-bacterial duty flush programme

If a mixer or tap is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during holidays, etc.). DELABIE's electronic mixers and taps have a duty flush programme.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use (programmable on some models).

Reduced-stagnation solenoid valve

Most solenoid valves are fitted with a rubber membrane behind which water stagnates and is not renewed. This can lead to bacterial proliferation. DELABIE has developed a technology without a membrane (patented system).

With this **piston-operated solenoid valve**, water is drained and renewed with every use **which reduces niches where bacteria can develop.**

The solenoid valve's self-cleaning system with a calibrated groove reduces the build-up of dirt. Furthermore, its slow closure eliminates water-hammer.

Hygienic flow straightener

Unlike conventional aerators, DELABIE's flow straighteners are specially made from **Hostaform®**, a material that is highly scale-resistant (build-up of scale is 10 times slower).

They minimise water retention and the build-up of dirt, and prevent the spread of germs.

PEX flexible hoses

These flexible hoses will withstand the thermal and chemical shocks undertaken in public and commercial buildings for preventative or curative treatments against the development of bacteria.

Pathogen-free mixers and taps

DELABIE guarantees that its mixers and taps will be delivered free from pathogenic bacteria. *For more information see page 4.*

90% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional mixers and taps, DELABIE's electronic mixers and taps can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

• Automatic shut-off and split delivery

The mixer or tap shuts off automatically when hands are removed from the detection zone.

This removes the risk of waste through negligence. The anti-blocking security activates to prevent the mixer or tap from flowing continuously. The flow time is reduced to the necessary minimum (wetting, rinsing).

• Flow rate regulated at 3 lpm

DELABIE's electronic mixers and taps are regulated at **3 lpm**. The flow rate remains constant regardless of pressure variations in the system. The flow rate can be adjusted from 1.5 (see *environmental labels*) to 6 lpm.

Energy savings

DELABIE's electronic mixers and taps do not require much energy to operate. DELABIE has chosen infrared active pulse technology, **a low-power consumption solution.**

The infrared beam is emitted intermittently, saving energy while ensuring effective detection. DELABIE's battery-operated electronic models have an average lifespan of **350,000 cycles** (i.e. 3 to 6 years) depending on the frequency of use.

The Lithium batteries are widely available, affordable and recyclable.

The significant **hot water savings** provided by DELABIE's mixers and taps also result in energy savings.

Environmental labels

The water and energy saving performance of DELABIE's electronic mixers and taps means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM, HQE or ESTIDAMA.

For more information see page 8.



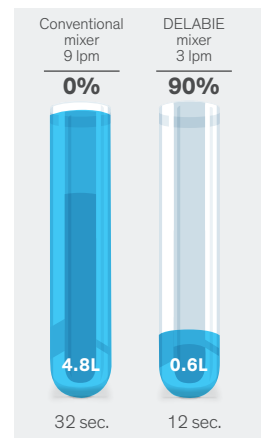
Hygiene and controlling bacterial proliferation



Reduced-stagnation solenoid valve









No manual contact



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional mixer and a DELABIE electronic mixer

Flow rate	Wetting	Soaping	Rinsing	Water consumption
9L	 5 sec.	 20 sec.	 7 sec.	4.8L 32 sec.
3L	 5 sec.		 7 sec.	0.6L 12 sec.



Vandal-resistant



Reinforced fixing



Diagnostic LED



Simple to maintain



SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

DELABIE's electronic mixers and taps are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The mixer and tap bodies are made from chrome-plated metal, fitted with **shock-resistant** mechanisms and sensors. The **reinforced fixings** will stand up to intensive use. **Streamlined designs** discourage attempts at vandalism.

To prevent abuse and waste, all models are fitted with a system to avoid blocking during flow. For areas that require tamperproof installations, there are recessed and cross wall versions which have mechanisms that cannot be accessed by the user.

Easy to install

DELABIE's products are **easy to install** and **adjustments are kept to a minimum** in order to save time during installation.

• Independent electronic control unit: BINOPTIC, TEMPOMATIC 2 and PRO models

Depending on the model, there is an option to adjust the presence detection distance, to change the operating mode (ON/OFF or automatic) and change the duty flush settings.

The battery-operated models work autonomously for 3 to 6 years.

The electronic control units are waterproof (IP65) with diagnostic LEDs to facilitate servicing.

• Electronic unit and solenoid valve integrated in the body of the mixer/tap*: TEMPOMATIC 3 and 4 models **Can be installed on any isolated point-of-use, for new builds as well as renovation.**

- 6V Lithium batteries*:

There are no electrical connections required.

Simply connect the flexibles to the supply pipes in the same way as for a conventional mixer/tap.

No special adjustment is necessary, the mixer/tap is ready to operate independently for 3 to 6 years.

A red LED will flash for 15 days to indicate that the battery life is low. The batteries can be changed without shutting off the water supply or removing the mixer/tap.

- 230/6V mains supply (plug in or recessed)*:

To operate, simply connect the flexibles to the supply pipes and connect the electrical supply to the mixer/tap via a plug and socket or recessed connection close to the basin.

This does not require any specific maintenance (no battery changes).

* Depending on model

Reliable presence detection

DELABIE has chosen the most reliable detection system: **infrared active pulse**. It cannot be adjusted or affected by variations in light levels. On models with a sensor at the end of the spout, the infrared beam **adapts automatically**, to ensure that the hands are detected in any position.

Minimal servicing and simple to maintain

The **scale-resistant** solutions (flow straighteners, mechanisms) and the filters ensure minimal servicing. Maintenance is easier. **The spare parts are standardised** to ensure quick and easy replacement by maintenance staff.

The electronic control units are fitted with LEDs to aid **diagnostic** checks, and **access** to the components (batteries, solenoid valve) is **direct**, without having to remove the mixer/tap.

Technical characteristics

Operating pressure	1 - 5 bar, 3 bar recommended
Pressure differential CW / HW	$\Delta P < 1$ bar
Electrical supply*	230V / 50 Hz class II (without earth connection)
Electronic unit*	Independent waterproof IP65
6V Lithium batteries*	123 or 223 standard batteries Average lifespan ~350,000 cycles or 3 - 6 years
Duty flush programme can be adjusted*	OFF or 60 sec. 12hr or 24hr after the last use
Automatic shut-off in event of negligence	Prevents blocking in the open position
Temperature limiter	Can be adjusted
HW supply	55°C max
Recommended installation height for wall-mounted mixers/taps	110 - 200mm above base of bowl
CE	Complies with European directives CEM 2014/30/UE and BT 2014/35/UE

* Depending on model

10-year warranty against any manufacturing defects.

DESIGN

DELABIE's products, known for their endurance and reliability, have a timeless design. The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre it is paramount that the product design fits in with its surroundings. Aesthetic products are subject to less vandalism as they are better respected. The smooth shape of the mixers and taps reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms provides easy maintenance.





- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** electronic system and batteries integrated into the body of the mixer
- **Easy to replace the batteries:** after 3 - 6 years, without removing the mixer or shutting off the water supply

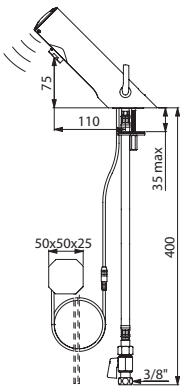
TEMPOMATIC MIX 4

Deck-mounted electronic basin mixer

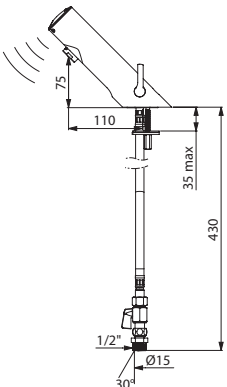


- **230/6V mains supply** or **battery-operated with integrated 123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated solid brass body.
- Cap fixed in place by 2 concealed screws.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter.

TEMPOMATIC MIX 4 mixer	
Recessed mains supply	
With stopcocks F¾"	490000
With stopcocks Ø 15mm for compression fittings	49000015
Without stopcocks, F¾"	490100
Plug-in mains supply	
With stopcocks F¾", European plug	490001
With stopcocks Ø 15mm for compression fittings, British plug	49000115
Without stopcocks, F¾", European plug	490101
6V Lithium battery-operated	
With stopcocks F¾"	490006
With stopcocks Ø 15mm for compression fittings	49000615
Without stopcocks, F¾"	490106
Options: factory pre-set at 1.5 lpm (add "LD" after the reference) For long lever, please add "LH" after the reference	



490000



49000615



- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** electronic system and batteries integrated into the body of the tap
- **Easy to replace the batteries:** after 3 - 6 years, without removing the tap or shutting off the water supply



TEMPOMATIC 4

Deck-mounted electronic basin tap



- **230/6V mains supply** or **battery-operated with integrated 123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the tap.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated solid brass body.
- Cap fixed in place by 2 concealed screws.
- PEX flexible with filter.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.

TEMPOMATIC 4 tap

Recessed mains supply

With stopcock F%	440000
With stopcock Ø 15mm for compression fittings	44000015
Without stopcock, F%	440100

Plug-in mains supply

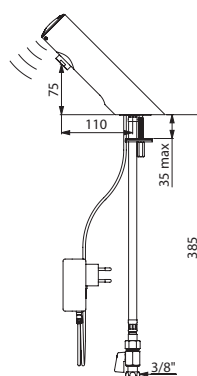
With stopcock F%, European plug	440001
With stopcocks F3/8", British plug	440001HK
With stopcock Ø 15mm for compression fittings, British plug	44000115
Without stopcock, F%, European plug	440101

6V Lithium battery-operated

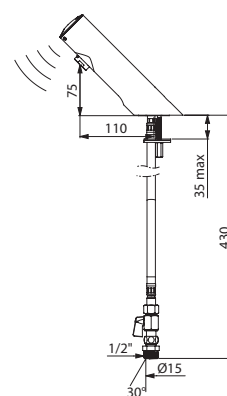
With stopcock F%	440006
With stopcock Ø 15mm for compression fittings	44000615
Without stopcock, F%	440106

We recommend installing a TMV (see page 129)

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)



440001



44000615



Recessed water inlets

3 installation options



Recessed in concrete



Plasterboard rails



Solid walls

Cross wall

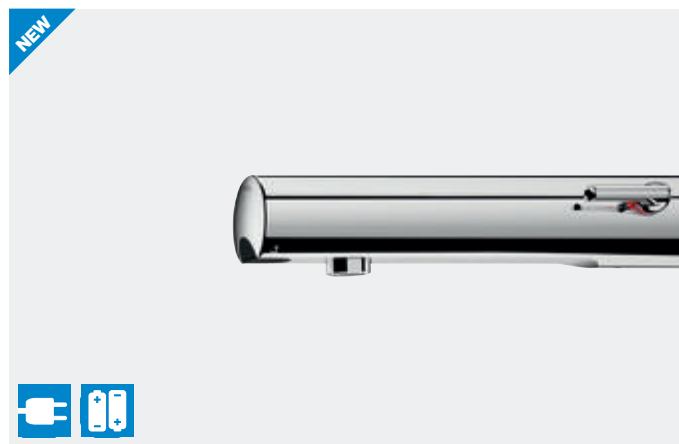




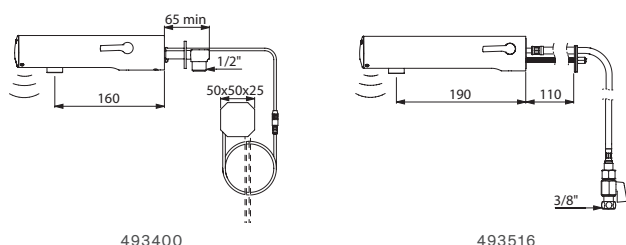
- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** electronic system and batteries integrated into the body of the mixer/tap
- **Easy to replace the batteries:** after 3 - 6 years, without removing the mixer/tap or shutting off the water supply

TEMPOMATIC MIX 4

Wall-mounted electronic basin mixer



- **230/6V mains supply** or **battery-operated with integrated 123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated metal body.
- Cap fixed in place by 2 concealed screws.
- Stopcocks.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter.



493400

493516

Provisional availability: 2nd half 2019.

Please contact the sales office to check availability.

TEMPOMATIC MIX 4 wall-mounted mixer

Recessed mains supply

Wall-mounted L. 160mm (recessed water inlets)	493400
Wall-mounted L. 220mm (recessed water inlets)	493500
Cross wall L. 130mm	493410
Cross wall L. 190mm	493510

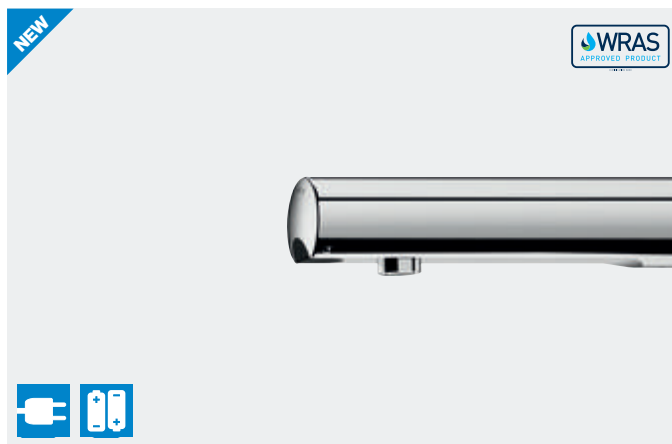
6V Lithium battery-operated

Wall-mounted L. 160mm (recessed water inlets)	493406
Wall-mounted L. 220mm (recessed water inlets)	493506
Cross wall L. 130mm	493416
Cross wall L. 190mm	493516

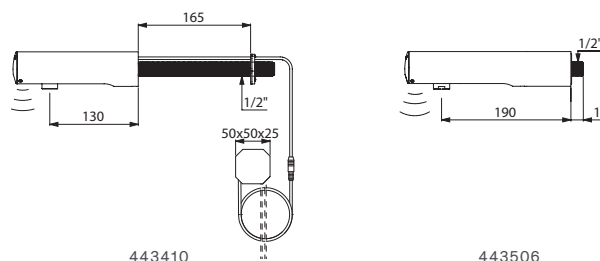
Options: factory pre-set at 1.5 lpm (add "LD" after the reference)
For long lever, please add "L" after the reference

TEMPOMATIC 4

Wall-mounted electronic basin tap



- **230/6V mains supply** or **battery-operated with integrated 123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the tap.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated metal body.
- Cap fixed in place by 2 concealed screws.
- Stopcock on the mains versions.
- Anti-blocking security.



443410

443506

** Provisional availability: 2nd half 2019.*

Please contact the sales office to check availability.

TEMPOMATIC 4 wall-mounted tap

Recessed mains supply

Wall-mounted L. 130mm (recessed water inlet)	443400 *
Wall-mounted L. 190mm (recessed water inlet)	443500 *
Cross wall L. 130mm	443410 *
Cross wall L. 190mm	443510 *

6V Lithium battery-operated

Wall-mounted L. 125mm (recessed water inlet)	443406
Wall-mounted L. 190mm (recessed water inlet)	443506
Cross wall L. 130mm	443416 *
Cross wall L. 190mm	443516 *
Panel-mounted L. 125mm ≤ 24mm	443426
Panel-mounted L. 190mm ≤ 24mm	443526

We recommend installing a TMV (see page 129)

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)



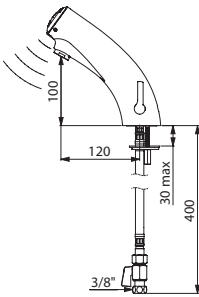
- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** installed in the same way as a conventional mixer, electronic system integrated into the body of the mixer
- **Easy to replace the batteries:** after 3 - 6 years, without removing the mixer or shutting off the water supply

TEMPOMATIC MIX 3

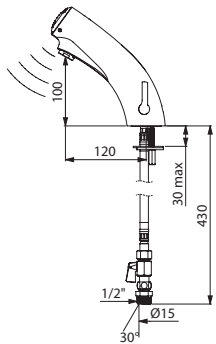
Electronic basin mixer with integrated batteries



- **Battery-operated with integrated 123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated solid brass body.
- Cap fixed in place by 2 concealed screws, with pictogram to identify sensor easily.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter.



492006



49200615

TEMPOMATIC MIX 3 mixer	
With stopcocks F¾"	492006
With stopcocks Ø 15mm for compression fittings	49200615
Without stopcocks, F¾"	492106

Options: factory pre-set at 1.5 lpm (add "LD" after the reference)
For long lever, please add "LH" after the reference



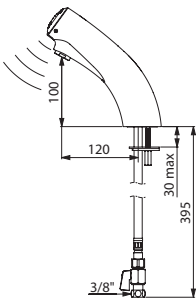
- **Water savings:** 90%
- **Hygiene:** no manual contact, reduced-stagnation solenoid valve, anti-bacterial duty flush
- **Easy to install:** installed in the same way as a conventional tap, electronic system integrated into the body of the tap
- **Easy to replace the batteries:** after 3 - 6 years, without removing the tap or shutting off the water supply

TEMPOMATIC 3

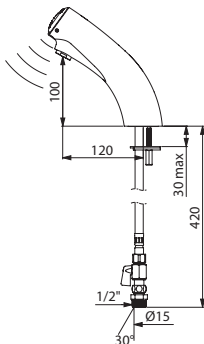
Electronic basin tap with integrated batteries



- **Battery-operated with integrated 123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the tap.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated solid brass body.
- Cap fixed in place by 2 concealed screws, with pictogram to identify sensor easily.
- PEX flexible with filter.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.



442006



44200615

TEMPOMATIC 3 tap	
With stopcock F $\frac{3}{8}$ "	442006
With stopcock Ø 15mm for compression fittings	44200615
Without stopcock, F $\frac{3}{8}$ "	442106

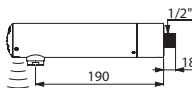
We recommend installing a TMV (see page 129)
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOMATIC 3

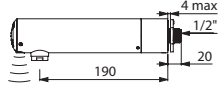
Wall-mounted electronic basin tap with integrated batteries



- **Battery-operated with integrated 123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the tap.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated solid brass body.
- Cap fixed in place by 2 concealed screws, with pictogram to identify sensor easily.
- Wall-mounted, M $\frac{1}{2}$ ".
- Ø 50mm, L. 190mm.
- Anti-blocking security.



443006



443016

TEMPOMATIC 3 wall-mounted tap	
Recessed supply	443006
For panels ≤ 4mm	443016

We recommend installing a TMV (see page 129)
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)





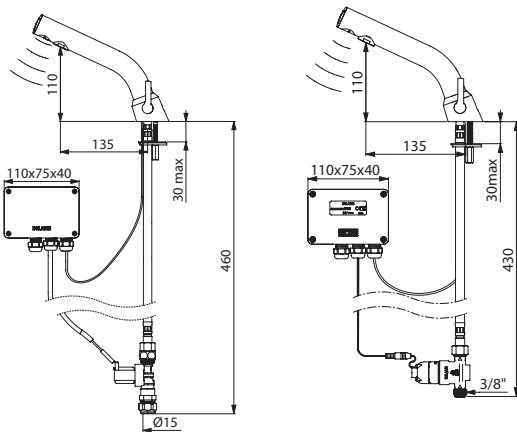
- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume, reduced-stagnation solenoid valve on the battery-operated versions
- **Maintenance:** LED diagnostic aids

BINOPTIC MIX

Deck-mounted electronic basin mixer



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer or 123 6V Lithium batteries.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated brass body.
- PEX flexibles with filters and solenoid valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter.



378MCH15

478MCH

BINOPTIC MIX mixer

230/12V mains supply

M $\frac{3}{8}$ "	378MCH
Ø 15mm for compression fittings	378MCH15

6V Lithium battery-operated

M $\frac{3}{8}$ "	478MCH
Ø 15mm for compression fittings	478MCH15

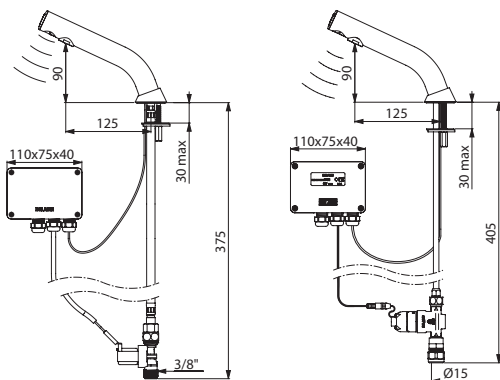
Options: factory pre-set at 1.5 lpm (add "LD" after the reference)
For long lever, please add "LH" after the reference

BINOPTIC

Deck-mounted electronic basin tap



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer or 123 6V Lithium batteries.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated brass body.
- PEX flexible with filter and solenoid valve.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).



378015

47801515

BINOPTIC tap

230/12V mains supply

M $\frac{3}{8}$ "	378015
Ø 15mm for compression fittings	37801515

6V Lithium battery-operated

M $\frac{3}{8}$ "	478015
Ø 15mm for compression fittings	47801515

We recommend installing a TMV (see page 129)

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

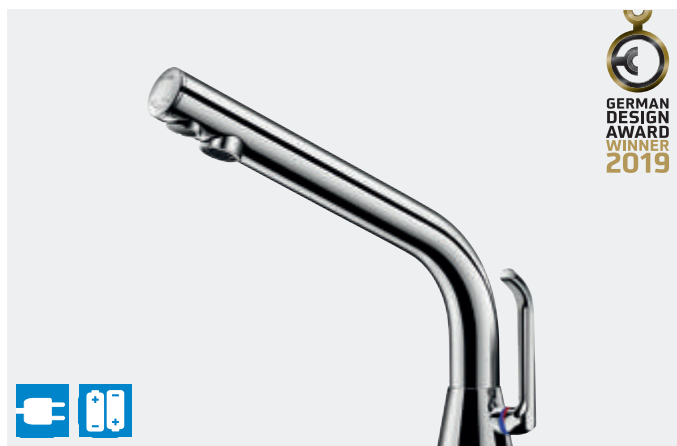




- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume, reduced-stagnation solenoid valve on the battery-operated versions
- **Maintenance:** LED diagnostic aids

BINOPTIC MIX

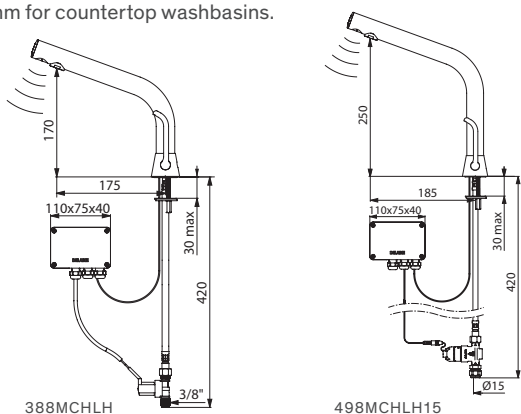
Electronic basin mixer, mains supply or battery-operated



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer or 123 6V Lithium batteries.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush** (pre-set flush ~60 sec. every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated brass body.
- PEX flexibles with filters and solenoid valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter and ergonomic LH lever.

Two drop heights available depending on the choice of basin:

170mm for semi-recessed washbasins.
250mm for countertop washbasins.



BINOPTIC MIX mixer H.170mm

230/12V mains supply, M $\frac{3}{8}$ "	388MCHLH
230/12V mains supply, Ø 15mm for compression fittings	388MCHLH15
6V Lithium battery-operated, M $\frac{3}{8}$ "	488MCHLH
6V Lithium battery-operated, Ø 15mm for compression fittings	488MCHLH15

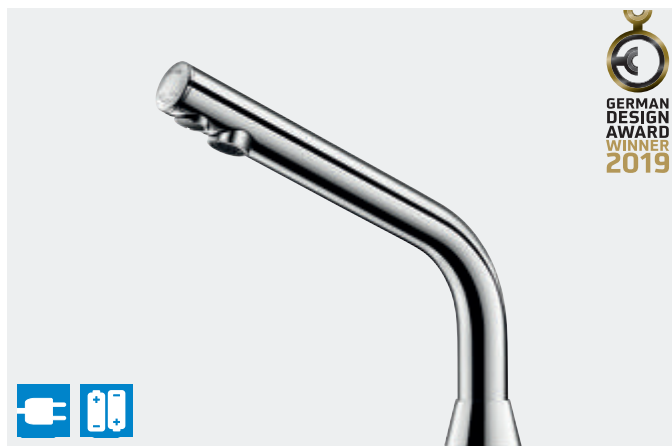
BINOPTIC MIX mixer H.250mm

230/12V mains supply, M $\frac{3}{8}$ "	398MCHLH
230/12V mains supply, Ø 15mm for compression fittings	398MCHLH15
6V Lithium battery-operated, M $\frac{3}{8}$ "	498MCHLH
6V Lithium battery-operated, Ø 15mm for compression fittings	498MCHLH15

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

BINOPTIC

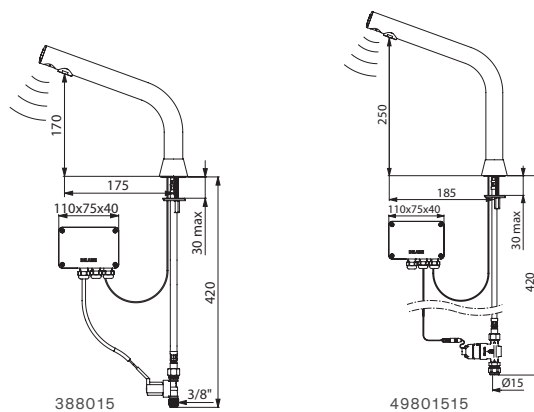
Electronic basin tap, mains supply or battery-operated



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer or 123 6V Lithium batteries.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush** (pre-set flush ~60 sec. every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated brass body.
- PEX flexible with filter and solenoid valve.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- **Spout with smooth interior** and low water volume (reduces bacterial development).

Two drop heights available depending on the choice of basin:

170mm for semi-recessed washbasins.
250mm for countertop washbasins.



BINOPTIC tap H.170mm

230/12V mains supply, M $\frac{3}{8}$ "	388015
230/12V mains supply, Ø 15mm for compression fittings	38801515
6V Lithium battery-operated, M $\frac{3}{8}$ "	488015
6V Lithium battery-operated, Ø 15mm for compression fittings	48801515

BINOPTIC tap H.250mm

230/12V mains supply, M $\frac{3}{8}$ "	398015
230/12V mains supply, Ø 15mm for compression fittings	39801515
6V Lithium battery-operated, M $\frac{3}{8}$ "	498015
6V Lithium battery-operated, Ø 15mm for compression fittings	49801515

We recommend installing a TMV (see page 129)

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)





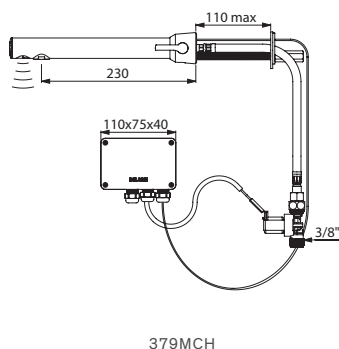
- **Water savings:** 90%
- **Hygiene:** no manual contact, anti-bacterial duty flush, spout with smooth interior and low water volume
- **Maintenance:** LED diagnostic aids

BINOPTIC MIX

Cross wall electronic basin mixer with mains supply



- Independent IP65 electronic control unit.
- 230/12V mains supply with transformer.
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.5 - 6 lpm.
- Scale-resistant flow straightener.
- Adjustable duty flush (pre-set flush ~60 seconds every 24 hours after last use).
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Filters and solenoid valves.
- Chrome-plated brass body.
- Chrome-plated spout for cross wall installation ≤ 110mm.
- Cable L. 120mm for sensor, flexibles and mounting all pass through the same hole.
- Anti-blocking security.
- Spout with smooth interior and low water volume (reduces bacterial development).
- Side temperature control with adjustable maximum temperature limiter.



379MCH

BINOPTIC MIX cross wall mixer	
M $\frac{3}{8}$ "	379MCH
Ø 15mm for compression fittings	379MCH15

Other sensor cable lengths available on request (up to 5m)

Options: factory pre-set at 1.5 lpm (add "LD" after the reference)

For long lever, please add "L" after the reference

BINOPTIC

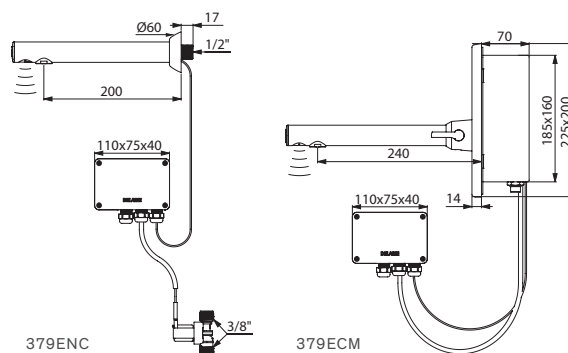


Electronic tap for recessed inlets or installation on walls ≤ 190mm

BINOPTIC MIX



Recessed electronic mixer on stainless steel wall plate



379ENC

379ECM

BINOPTIC wall-mounted tap	
Recessed spout L. 200mm	379ENC
Recessed spout L. 200mm, Ø 15mm for compression fittings	379ENC15
For walls ≤ 190mm, spout L. 205mm	379DER
For walls ≤ 190mm, spout L. 205mm, Ø 15mm for compression fittings	379DER15
For walls ≤ 190mm, spout L. 135mm	379D13
For walls ≤ 190mm, spout L. 135mm, Ø 15mm for compression fittings	379D1315
BINOPTIC MIX recessed mixer	
With standard temperature control lever	379ECM
With long temperature control lever	379ECML

Other sensor cable lengths available on request (up to 5m)

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)



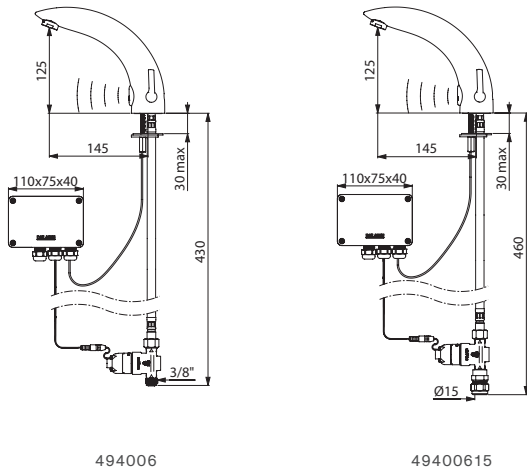
- **Water savings:** 85%
- **Hygiene:** no manual contact, anti-bacterial duty flush, reduced-stagnation solenoid valve
- **Maintenance:** LED diagnostic aids

TEMPOMATIC MIX 2

Electronic basin mixer, battery-operated



- **Independent IP65 electronic control unit.**
- **Battery-operated with 123 6V Lithium batteries.**
- **Flow rate pre-set at 4 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body.
- PEX flexibles with filters and reduced-stagnation solenoid valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter.
- Solenoid valves are upstream of the mixing chamber.



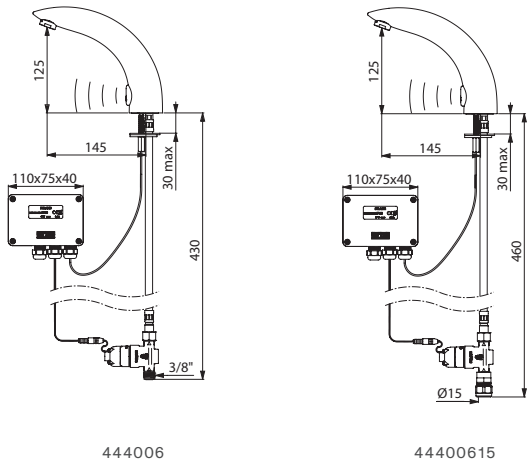
TEMPOMATIC MIX 2 battery-operated mixer	
M $\frac{3}{8}$ "	494006
Ø 15mm for compression fittings	49400615
Options: factory pre-set at 1.5 lpm (add "LD" after the reference) For long lever, please add "LH" after the reference	

TEMPOMATIC 2

Electronic basin tap, battery-operated



- **Independent IP65 electronic control unit.**
- **Battery-operated with 123 6V Lithium batteries.**
- **Flow rate pre-set at 4 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body.
- PEX flexible with filter and reduced-stagnation solenoid valve.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.



TEMPOMATIC 2 battery-operated tap	
M $\frac{3}{8}$ "	444006
Ø 15mm for compression fittings	44400615
We recommend installing a TMV (see page 129) Option: factory pre-set at 1.5 lpm (add "LD" after the reference)	



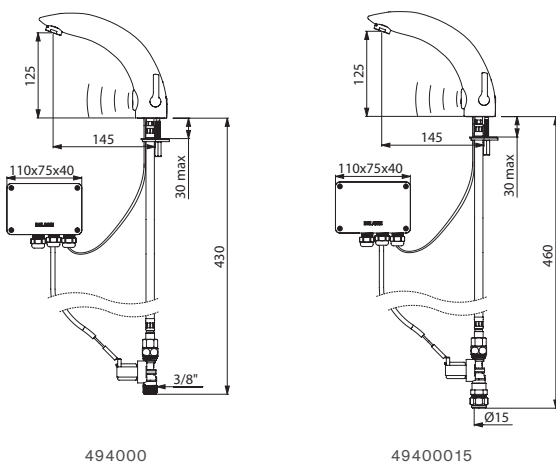
- **Water savings:** 85%
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Maintenance:** LED diagnostic aids

TEMPOMATIC MIX 2

Electronic basin mixer with mains supply



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Flow rate pre-set at 4 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body.
- PEX flexibles with filters and solenoid valves.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter.
- Solenoid valves are upstream of the mixing chamber.



494000

49400015

TEMPOMATIC MIX 2 mains supply mixer	
M $\frac{3}{8}$ "	494000
Ø 15mm for compression fittings	49400015

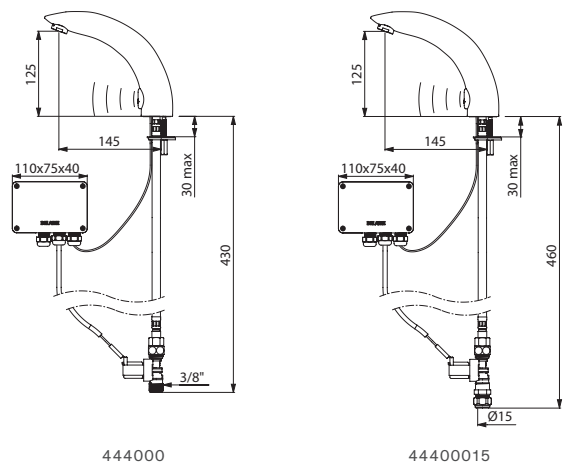
Options: factory pre-set at 1.5 lpm (add "LD" after the reference)
For long lever, please add "LH" after the reference

TEMPOMATIC 2

Electronic basin tap with mains supply



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Flow rate pre-set at 4 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body.
- PEX flexible with filter and solenoid valve.
- Fixing reinforced by 2 stainless steel rods.
- Anti-blocking security.



444000

44400015

TEMPOMATIC 2 mains supply tap	
M $\frac{3}{8}$ "	444000
Ø 15mm for compression fittings	44400015

We recommend installing a TMV (see page 129)
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)



- **Water savings:** 85%
- **Hygiene:** no manual contact, duty flush and removable spout with smooth interior (anti-bacterial), reduced-stagnation solenoid valves on the battery-operated versions
- **Comfort:** mains supply versions have several shut-off options available

TEMPOMATIC MIX PRO

Electronic basin mixer, mains supply or battery-operated



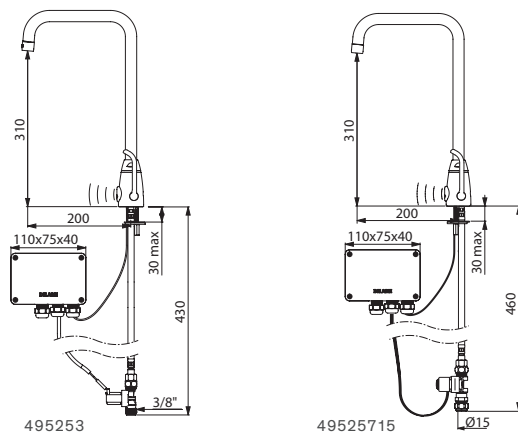
- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **battery-operated with 123 6V Lithium batteries.**
- **Flow rate pre-set at 4 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body with fixing reinforced by 2 stainless steel rods.
- PEX flexibles with filters and solenoid valves.
- **Swivelling spout with smooth interior** (reduces bacterial development).
- **Removable spout** for cleaning.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter and ergonomic long lever.
- Solenoid valves are upstream of the mixing chamber.

Two shut-off options on 230/12V models:

Standard mode: timed flow with automatic shut-off.

ON/OFF mode: user shuts off flow voluntarily or automatic shut-off after 30 minutes of flow.

Thermal shocks are possible.



TEMPOMATIC MIX PRO mixer	
230/12V mains supply, M¾"	495253
230/12V mains supply, Ø 15mm for compression fittings	49525315
6V Lithium battery-operated, M¾"	495257
6V Lithium battery-operated, Ø 15mm for compression fittings	49525715
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)	

TEMPOMATIC PRO

Electronic basin tap, mains supply or battery-operated



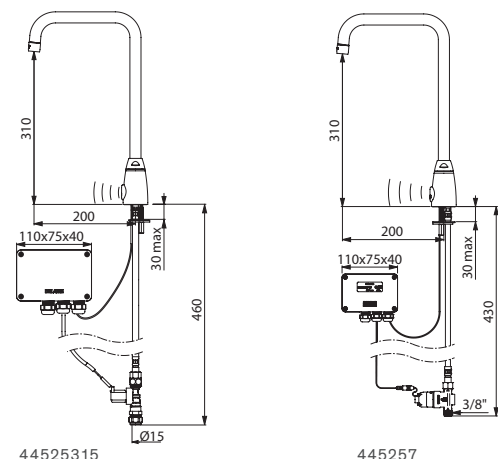
- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **battery-operated with 123 6V Lithium batteries.**
- **Flow rate pre-set at 4 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor.
- Chrome-plated solid brass body with fixing reinforced by 2 stainless steel rods.
- PEX flexible with filter and solenoid valve.
- **Swivelling spout with smooth interior** (reduces bacterial development).
- **Removable spout** for cleaning.
- Anti-blocking security.

Two shut-off options on 230/12V models:

Standard mode: timed flow with automatic shut-off.

ON/OFF mode: user shuts off flow voluntarily or automatic shut-off after 30 minutes of flow.

Thermal shocks are possible.



TEMPOMATIC PRO tap	
230/12V mains supply, M¾"	445253
230/12V mains supply, Ø 15mm for compression fittings	44525315
6V Lithium battery-operated, M¾"	445257
6V Lithium battery-operated, Ø 15mm for compression fittings	44525715
We recommend installing a TMV (see page 129)	
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)	



- **Water savings:** 90%
- **Hygiene:** no manual contact and anti-bacterial duty flush
- **Vandal-resistant:** recessed or cross wall installation
- **Maintenance:** LED diagnostic aids

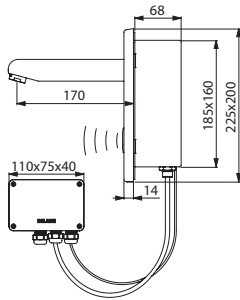
TEMPOMATIC

Recessed electronic basin tap with mains supply



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- **Recessing box with tamperproof stainless steel wall plate.**
- Shock-resistant infrared presence detection sensor.
- Anti-blocking security.
- Chrome-plated fixed spout L. 170mm.
- Stopcock M $\frac{1}{2}$ ".

*This model does not have a waterproof recessing housing.
The installer must ensure that the recessing area is waterproof
and any leaks or condensation can drain away (see installation guide).*



447500

TEMPOMATIC recessed tap **447500**

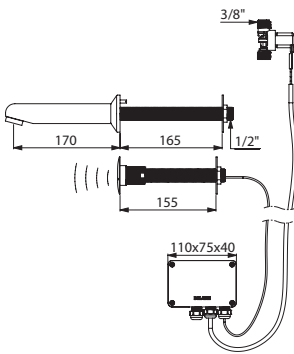
We recommend installing a TMV (see page 129)
Alternative spout lengths available on request
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOMATIC

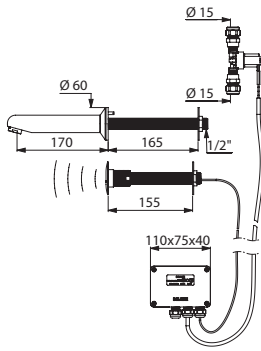
Cross wall electronic basin tap with mains supply



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor for walls ≤ 155 mm.
- Anti-blocking security.
- Solenoid valve with integrated filter.
- Chrome-plated fixed spout L. 170mm for walls ≤ 165 mm with anti-rotating pin.
- Wall plate flush to the wall.
- Threaded rods can be cut to size.



441157



44115715

TEMPOMATIC cross wall tap

M $\frac{3}{8}$ "	441157
\varnothing 15mm for compression fittings	44115715

We recommend installing a TMV (see page 129)
Alternative spout and cross wall lengths available on request
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic timed shut-off, with no manual contact

DELABIE's time flow mixers and taps shut off automatically once the push-button has been pressed and the valve has opened.

No manual contact after washing prevents the spread of germs by hand.

Hygienic flow straightener

Unlike conventional aerators, DELABIE's flow straighteners are specially made from **Hostaform®**, a material that is highly scale-resistant (build-up of scale is 10 times slower).

They minimise water retention and the build-up of dirt, and prevent the spread of germs.

PEX flexible hoses

These flexible hoses will withstand the thermal and chemical shocks undertaken in public and commercial buildings for preventative or curative treatments against the development of bacteria.

Pathogen-free mixers and taps

DELABIE guarantees that its mixers and taps will be delivered free from pathogenic bacteria. For more information see page 4.

DESIGN

Commercial environments and design

DELABIE's products, known for their endurance and reliability, have a **timeless design**.

The diversity of the product range fits in perfectly with any commercial installation. In an office building or a shopping centre it is paramount that the product design fits in with its surroundings. In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected. The **smooth shape** of the mixers and taps reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms provides easy maintenance.

85% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional mixers and taps, DELABIE's time flow mixers and taps can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

- **Automatic shut-off and split delivery**
The mixer or tap shuts off automatically after approximately 7 seconds of flow.

DELABIE's time flow mixers and taps remove the risk of waste through negligence.

The AB anti-blocking system available on certain models, prevents the valve from being blocked in the open position.

The flow time is reduced to the necessary minimum (wetting, rinsing).

- **Flow rate regulated at 3 lpm**

DELABIE's time flow mixers and taps are regulated at **3 lpm**. The flow rate remains constant regardless of pressure variations in the system.

The flow rate is pre-set at 3 lpm at 3 bar. However, it can be adjusted from 1.5 (see *environmental labels*) to 6 lpm.

Energy savings

DELABIE's time flow mixers and taps operate completely autonomously with no need for an electrical supply. They do **not consume any power at all**.

The significant **hot water savings** provided by DELABIE's mixers and taps also result in energy savings.

Ecological

DELABIE's time flow mixers and taps are made from materials that are **100% recyclable** which ensures that the products receive the best ecological assessment in their category.

Environmental labels

The water and energy saving performance of DELABIE's time flow mixers and taps means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM, HQE or ESTIDAMA.

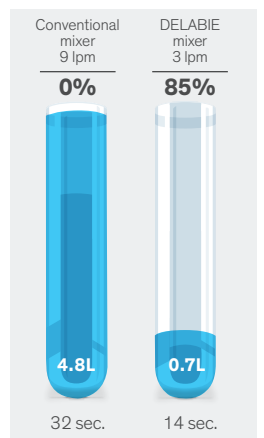
For more information see page 8.



Hygiene and controlling bacterial proliferation









Optimised time flow



Water savings per use

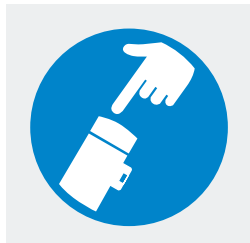
COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional mixer and a DELABIE time flow mixer

Flow rate	Wetting	Soaping	Rinsing	Water consumption
9L	 5 sec.	 20 sec.	 7 sec.	4.8L 32 sec.
3L	 7 sec.	 7 sec.	 7 sec.	0.7L 14 sec.



Soft technology:
de-pressurising cartridge



Soft technology:
soft-touch operation



Anti-blocking system



Vandal-resistant



TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user. DELABIE has developed specific products to respond to a variety of challenges (improving comfort, avoiding waste, user safety, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow mixers and taps with **soft-touch operation**. Soft technology allows all users (children, the elderly or people with reduced mobility) to use the mixers and taps with no effort required. TEMPOSOFT and TEMPOMIX 3 models are fitted with a priming system that requires half the effort to operate ensuring user comfort.

AB anti-blocking system: waste prevention

To avoid abuse and waste, TEMPOSTOP models can be fitted with an **AB anti-blocking system**. This prevents the valve from being blocked in the open position. Water will not flow unless the push-button is released.

Temperature selection

Mixer versions (MIX) of DELABIE's time flow mixers and taps are available. They offer the user additional comfort by allowing them to choose the water temperature. Temperature adjustment is done via the single control (TEMPOMIX and TEMPOMIX 3) or using the side lever (TEMPOMIX 2 and TEMPOSOFT MIX).

Anti-scalding safety

DELABIE's time flow mixers are supplied with a **maximum temperature limiter** that can be adjusted during installation. The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

Technical characteristics

Operating pressure	1 - 5 bar, 3 bar recommended
Pressure differential HW / CW	$\Delta P < 1$ bar
Temperature limiter*	Can be adjusted
HW supply	55°C max
Adjustable flow rate	1.5 - 6 lpm
Time flow	7 seconds
Soft technology	TEMPOSOFT, TEMPOMIX, TEMPOMIX 3
Anti-blocking system	TEMPOSTOP, TEMPOSTOP 2, TEMPOMIX 2
Recommended installation height for wall-mounted mixers/taps	110 - 200mm above base of bowl

* Depending on model

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

DELABIE's time flow mixers and taps are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The mixer and tap bodies are made from brass, fitted with **shock-resistant** mechanisms.

The **reinforced fixings** will stand up to intensive use. **Streamlined designs** discourage attempts at vandalism.

For areas that require tamperproof installations, there are recessed and cross wall versions which have mechanisms that cannot be accessed by the user.

Superior endurance

The time flow mechanisms in DELABIE mixers and taps are hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**.

There is no metal-metal or metal-plastic friction, ensuring **reliable and durable timing**.

DELABIE's mixers and taps perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Easy to install

For a quick activation and comfort with no splashing all DELABIE's time flow mixers and taps are **pre-set at 3 lpm at 3 bar**. They can, however, be adjusted from 1.5 (*see environmental labels*) to 6 lpm.

They are supplied with a **pre-set maximum temperature limiter** to save time during installation, and can be adjusted by the installer.

Minimal servicing

Flow straighteners and mechanisms are made from **scale-resistant materials** (Hostaform®).

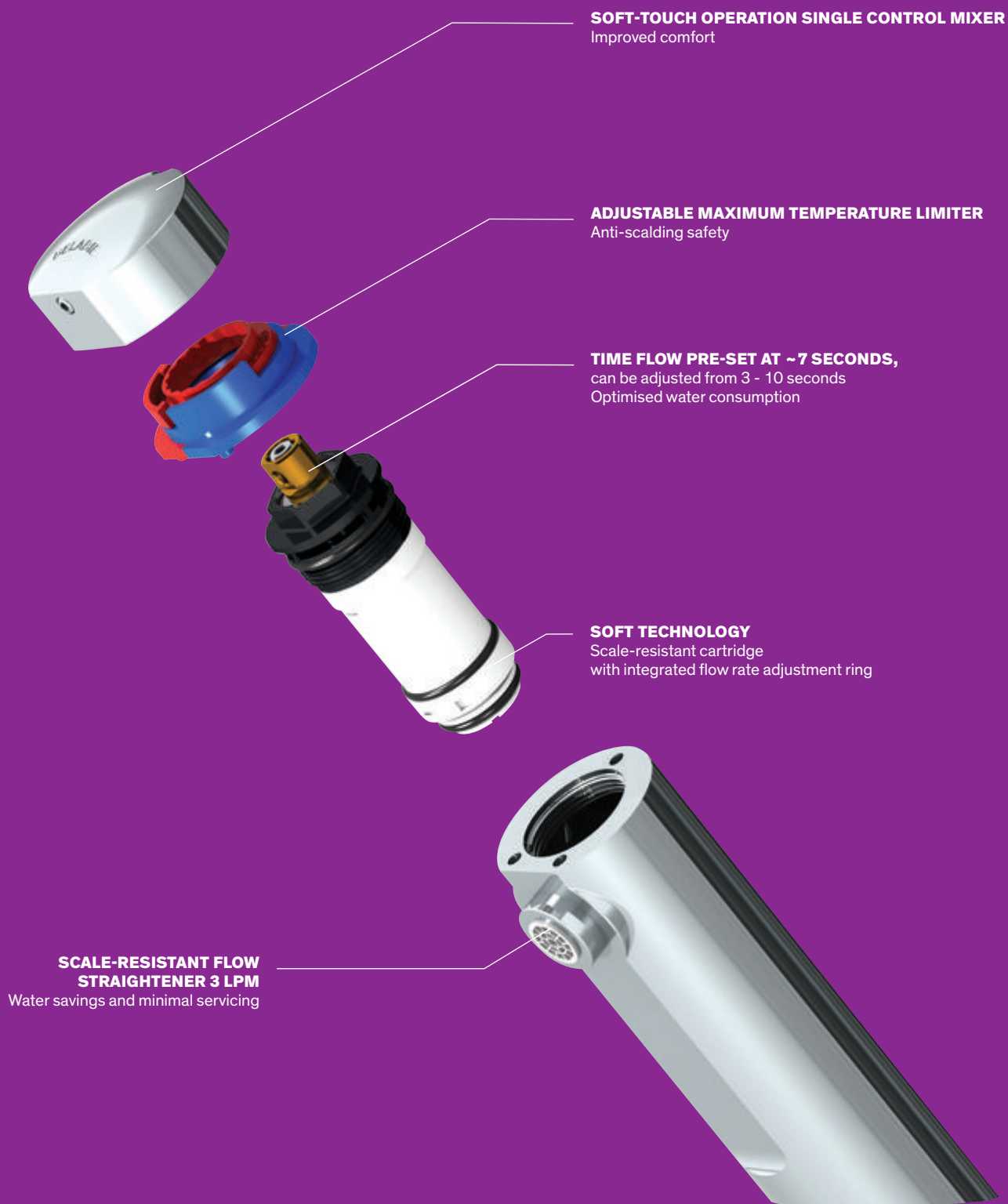
The self-cleaning mechanisms are protected by filters.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

The whole of the system is integrated within **an interchangeable cartridge without removing the tap**. For the mixer versions, non-return valves are integrated into the flexibles.

10-year warranty against any manufacturing defects.





TEMPOMIX 3 deck-mounted time flow basin mixer **794000** - Rectangular glass mirror **3454** - Wall-mounted 304 stainless steel bin **510461P**
TEMPOMIX 3 wall-mounted time flow basin mixer **794350** - HEMI round basin for recessed installation **120490** - Wall shelf **553**



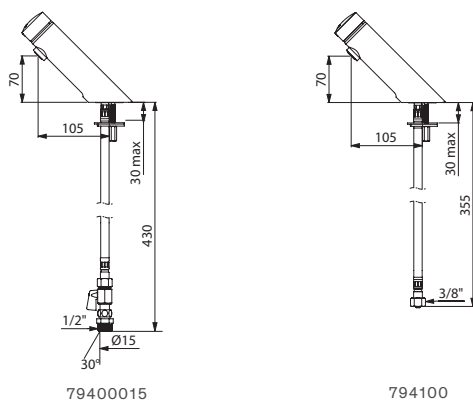
- **Water savings:** 85%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** solid brass, streamlined design

TEMPOMIX 3

Time flow basin mixer with soft-touch operation



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow pre-set at ~7 seconds**, can be adjusted from 3 - 10 seconds.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof, scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- PEX flexibles, filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Adjustable maximum temperature limiter.



79400015

794100

TEMPOMIX 3 deck-mounted mixer

With stopcocks, F $\frac{3}{8}$ "	794000
With stopcocks, Ø 15mm for compression fittings	79400015
Without stopcocks, F $\frac{3}{8}$ "	794100

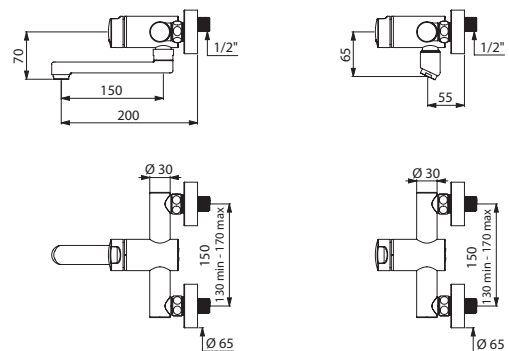
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOMIX 3

Time flow basin mixer with soft-touch operation



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow pre-set at ~7 seconds**, can be adjusted from 3 - 10 seconds.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- **Swivelling or fixed spout.**
- Filters and non-return valves.
- Adjustable maximum temperature limiter.
- Offset connectors M $\frac{1}{2}$ " for centres 130 - 170mm.



794350

794370

TEMPOMIX 3 wall-mounted mixer

With swivelling spout L. 150mm	794350
With fixed spout L. 150mm	794360
With fixed spout	794370

Options: STOP/CHECK connectors (see page 61)

Factory pre-set at 1.5 lpm (add "LD" after the reference)



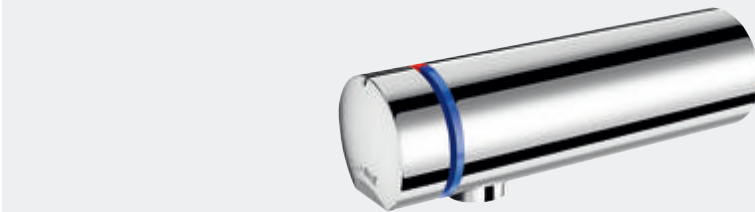


- **Water savings:** 85%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** solid brass, streamlined design

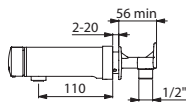
TEMPOMIX 3

Wall-mounted time flow basin mixer with soft-touch operation

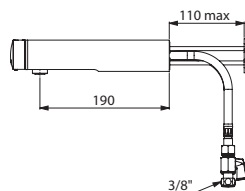
NEW



- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow pre-set at ~7 seconds**, can be adjusted from 3 - 10 seconds.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof, scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- Filters and non-return valves.
- Adjustable maximum temperature limiter.



794050



794165

** Provisional availability 2nd half 2019. Please contact the sales office to check availability.*

TEMPOMIX 3 wall-mounted mixer	
Wall-mounted (recessed water inlets) - 1/2"	
L. 110mm without stopcocks	794050 *
L. 190mm without stopcocks	794055 *
Cross wall - PEX flexibles 3/8"	
L. 110mm without stopcocks	794150
L. 110mm with stopcocks	794160
L. 190mm without stopcocks	794155
L. 190mm with stopcocks	794165

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

Recessed water inlets

3 installation options



Recessed in concrete



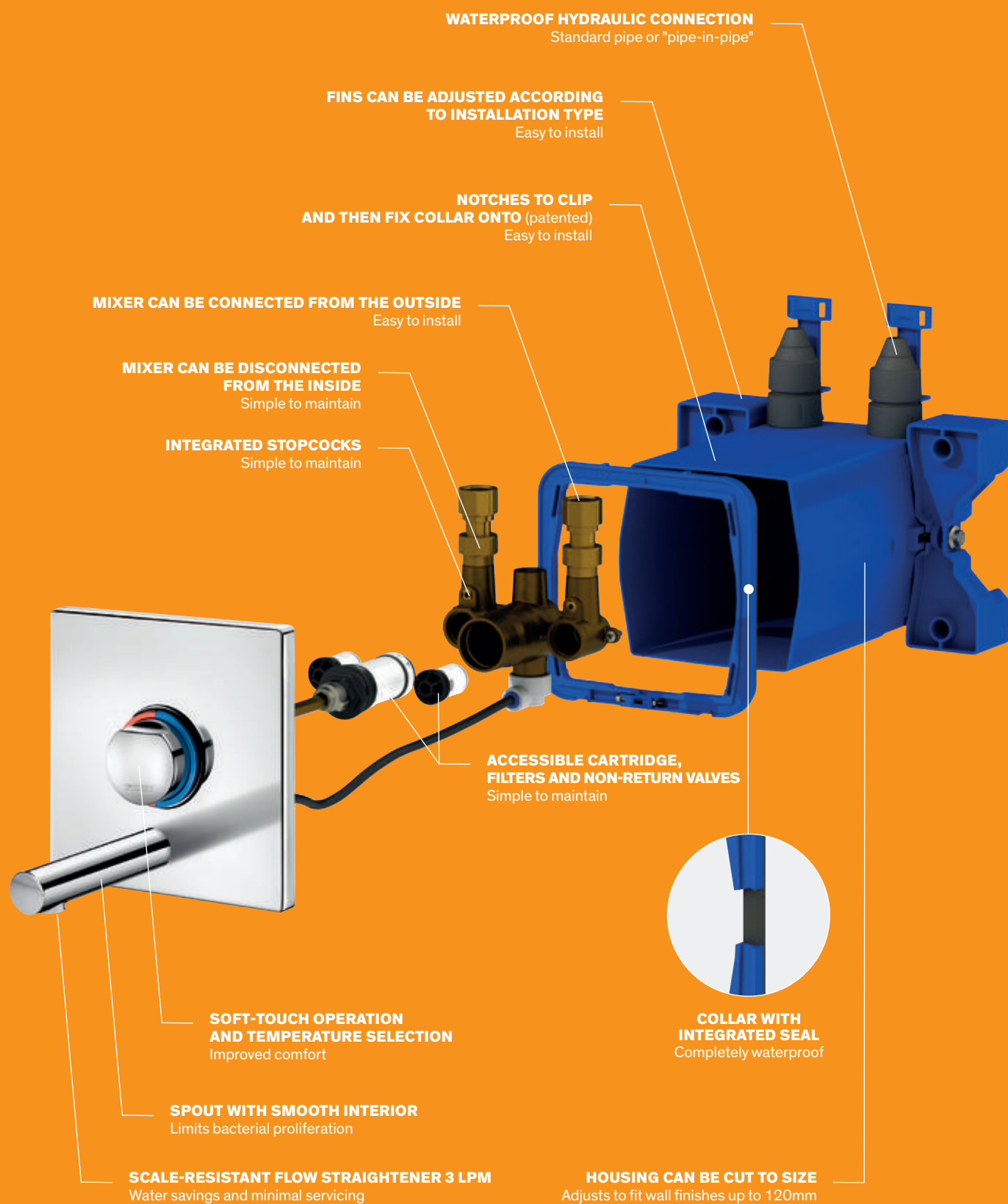
Plasterboard rails



Solid walls

Cross wall







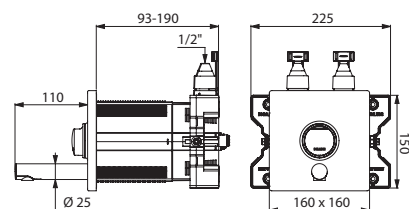
- **Water savings:** 85%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** recessed installation, concealed fixings
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOMIX 3 recessed

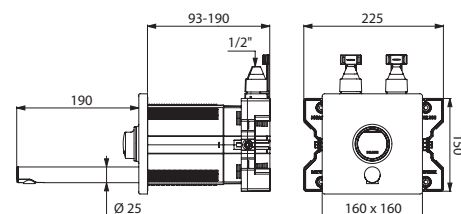
Recessed time flow basin mixer with soft-touch operation



- **Tamperproof chrome-plated metal wall plate 160 × 160mm.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installations (rails, solid walls, panels).
 - Compatible with wall finishes from 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcocks and flow rate adjustment, filters, non-return valves and cartridge are all integrated and accessible from the front.
 - TEMPOMIX 3 single control mixer F1/2".
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Temperature control and operation via the push-button.**
- Maximum temperature limiter (can be adjusted by installer).
- **Soft-touch operation.**
- **Time flow ~7 seconds**, can be adjusted.
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Spout with smooth interior** and low water volume (reduces bacterial development).



794BOX3 + 794200



794BOX3 + 794250

*Provisional availability 1st half 2020.
Please contact the sales office to check availability.*

TEMPOMIX 3 recessed mixer	
Spout L. 110mm	794BOX3 + 794200
Spout L. 190mm	794BOX3 + 794250

Options: comfort aerator or BIOSAFE outlet (see page 61)
Factory pre-set at 1.5 lpm (add "LD" after the reference)





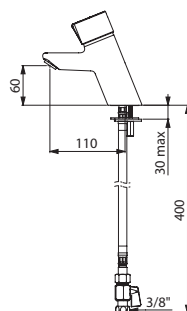
- **Water savings:** 85%
- **Vandal-resistant:** chrome-plated solid brass, deck-mounted with reinforced fixing or cross wall versions
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation

TEMPOMIX

Time flow basin mixer



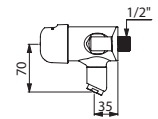
- **Soft-touch operation.**
- **Temperature control and operation via the push-button.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- **Ergonomic chrome-plated metal push-button.**
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Adjustable maximum temperature limiter.



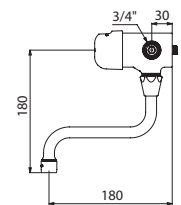
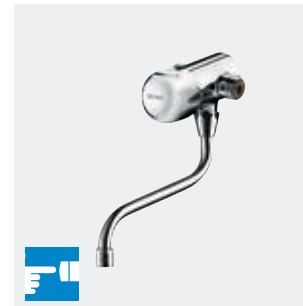
795000

TEMPOMIX

Wall-mounted or cross wall time flow basin mixer

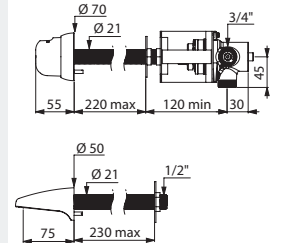
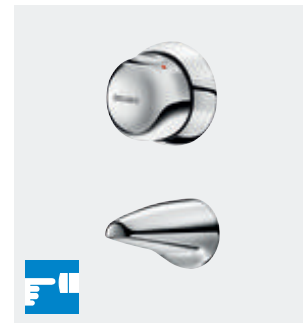


796838



798152

Wall-mounted time flow mixer with fixed or swivelling spout.



795209

Cross wall time flow mixer:

- Tamperproof cross wall control $\leq 220\text{mm}$ and tamperproof fixed cross wall spout $\leq 230\text{mm}$.
- System for fixing to the wall via anti-rotating pin, back-nut and connection clamp.
- Threaded rods can be cut to size.

TEMPOMIX wall-mounted mixer

With fixed spout	796000
With fixed spout and elbow unions	796838
With swivelling spout	798152
Elbow union M $\frac{1}{2}$ " - F $\frac{3}{4}$ "	838020
STOP union M $\frac{1}{2}$ " - F $\frac{3}{4}$ "	836020
Reinforced wall plate $\varnothing 80\text{mm}$	824800

TEMPOMIX cross wall mixer

TEMPOMIX cross wall	795209
Back nut F $\frac{1}{2}$ " with 3 screws (reinforcing clamp behind the wall)	826315

Alternative spout and cross wall lengths on request

Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOMIX deck-mounted mixer	
With stopcocks F $\frac{3}{8}$ "	795000
With stopcocks $\varnothing 15\text{mm}$ for compression fittings	79500015
Without stopcocks, F $\frac{3}{8}$ "	795100

Options: comfort aerator (see page 61)

Factory pre-set at 1.5 lpm (add "LD" after the reference)



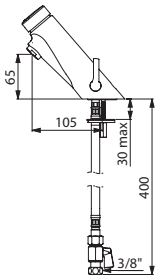
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixing, streamlined design
- **Comfort:** temperature control using side lever, soft-touch operation

TEMPOSOFT MIX

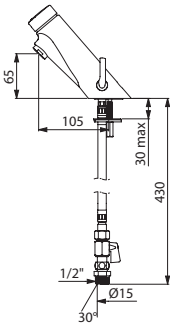
Time flow basin mixer with soft-touch operation



- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant aerator.**
- Chrome-plated solid brass body.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Side temperature control with adjustable maximum temperature limiter.



742000



74200015

TEMPOSOFT MIX deck-mounted mixer	
With stopcocks F¾"	742000
With stopcocks Ø 15mm for compression fittings	74200015
Without stopcocks, F¾"	742100

Options: factory pre-set at 1.5 lpm (add "LD" after the reference)
For long lever, please add "LH" after the reference



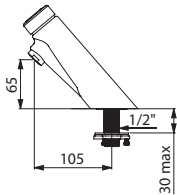
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixing, streamlined design
- **Comfort:** soft-touch operation

TEMPOSOFT

Time flow basin tap with soft-touch operation



- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant aerator.**
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- Fixing reinforced by back-nut with 3 stainless steel screws.
- Supplied with red and blue markers.



740000

TEMPOSOFT deck-mounted tap 740000

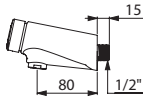
We recommend installing a TMV (see page 129)
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOSOFT

Wall-mounted time flow basin tap with soft-touch operation



- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant aerator.**
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- Supplied with red and blue markers.



741000

TEMPOSOFT wall-mounted tap 741000

We recommend installing a TMV (see page 129)
Option: factory pre-set at 1.5 lpm (add "LD" after the reference)



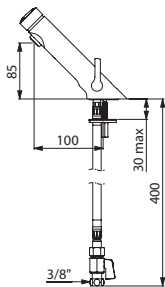
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixing, streamlined design
- **Comfort:** temperature control using side lever on mixers, soft-touch operation

TEMPOSOFT MIX 2

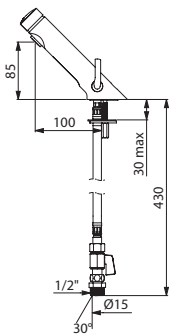
Deck-mounted time flow basin mixer



- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Side temperature control lever with adjustable maximum temperature limiter.



742500



74250015

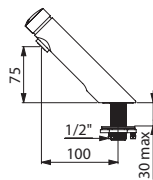
TEMPOSOFT MIX 2 deck-mounted mixer	
With stopcocks F¾"	742500
With stopcocks Ø 15mm for compression fittings	74250015
Without stopcocks, F¾"	742510
For long lever, please add "LH" after the reference	

TEMPOSOFT 2

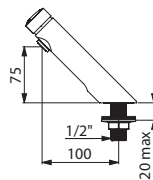
Deck-mounted time flow basin tap



- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M½".
- Supplied with red and blue markers.



740300



740500

TEMPOSOFT 2 deck-mounted tap	
Fixing reinforced by back-nut with 3 stainless steel screws	740300
Fixing with back-nut	740500
We recommend installing a TMV (see page 129)	



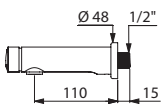
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, streamlined design
- **Comfort:** soft-touch operation

TEMPOSOFT 2

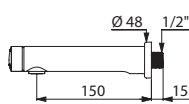
Wall-mounted time flow basin tap



- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- Supplied with red and blue markers.



741500



741550

TEMPOSOFT 2 wall-mounted tap	
L. 110mm	741500
L. 150mm	741550

[We recommend installing a TMV \(see page 129\)](#)



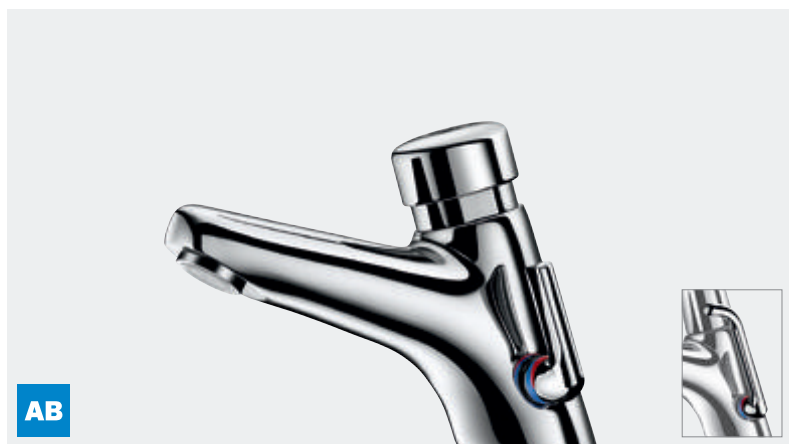




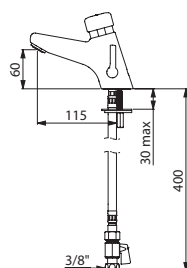
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixing, anti-blocking (AB) system
- **Comfort:** soft-touch operation on lever-operated models

TEMPOMIX 2

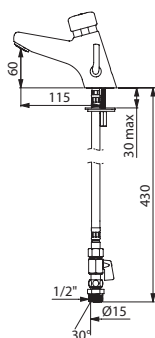
Deck-mounted time flow basin mixer



- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body.
- PEX flexibles with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Side temperature control lever with adjustable maximum temperature limiter.
- **Available with AB anti-blocking system:** water only flows when push-button is released.
- **Push-button or lever-operated control** (soft-touch operation).



700000



70000115

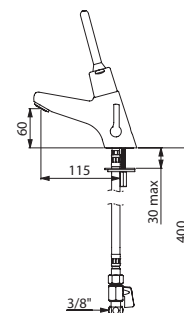
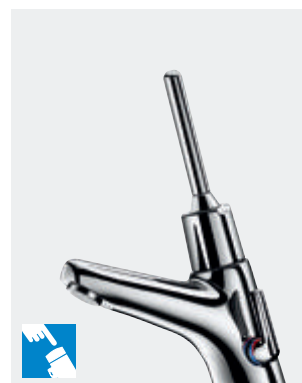
TEMPOMIX 2 mixer	
With stopcocks F $\frac{3}{8}$ "	700000
With stopcocks Ø 15mm for compression fittings	70000015
With stopcocks F $\frac{3}{8}$ " and AB system	700001
With stopcocks Ø 15mm for compression fittings and AB system	70000115
Without stopcocks, F $\frac{3}{8}$ "	700100
Without stopcocks and AB system	700101

For long lever, please add "LH" after the reference

Option for AB versions: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOMIX 2

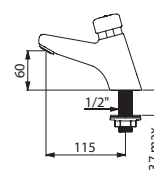
Deck-mounted time flow basin mixer



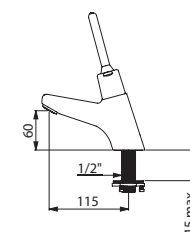
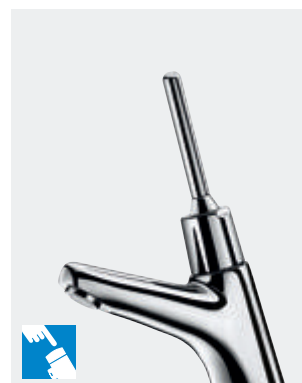
700400

TEMPOSTOP 2

Deck-mounted time flow basin tap



702000



702400

TEMPOMIX 2 lever-operated mixer	
With stopcocks F $\frac{3}{8}$ "	700400
With stopcocks Ø 15mm for compression fittings	70040015
Without stopcocks, F $\frac{3}{8}$ "	700500
TEMPOSTOP 2 tap	
Fixing with back-nut	702000
Reinforced fixing with 3 stainless steel screws and AB system	702301
TEMPOSTOP 2 lever-operated tap M$\frac{1}{2}$"	702400

We recommend installing a TMV (see page 129)

For long lever, please add "LH" after the reference

Option for AB versions: factory pre-set at 1.5 lpm (add "LD" after the reference)



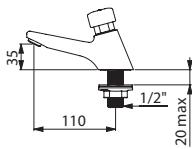
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, reinforced fixing, anti-blocking (AB) system

TEMPOSTOP

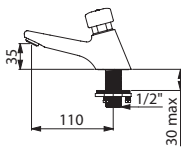
Time flow basin tap



- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M1½".
- **Available with AB anti-blocking system:** water only flows when push-button is released.



745100



745301

TEMPOSTOP tap	
Fixing with back-nut	745100
Fixing with back-nut and AB system	745101
Fixing reinforced with 3 stainless steel screws	745300
Fixing reinforced with back-nut with 3 stainless steel screws and AB system	745301

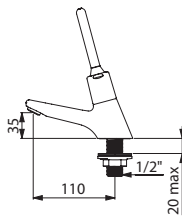
We recommend installing a TMV (see page 129)
Option for AB versions: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOSTOP

Time flow lever-operated basin tap



- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M1½".
- Fixing with back-nut.
- **Lever-operated** (soft-touch operation).



745440

TEMPOSTOP lever-operated tap	745440
We recommend installing a TMV (see page 129)	



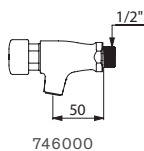
- **Water savings:** 85%
- **Vandal-resistant:** solid brass, anti-blocking (AB) system

TEMPOSTOP

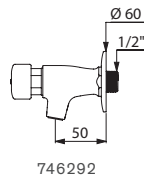
Wall-mounted time flow basin tap



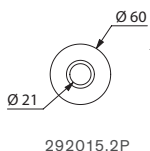
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- **Available with AB anti-blocking system:** water only flows when push-button is released.
- **Push-button or lever-operated control.**



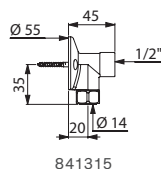
746000



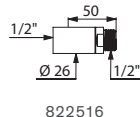
746292



292015.2P



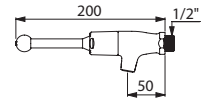
841315



822516

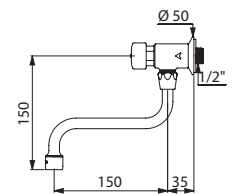
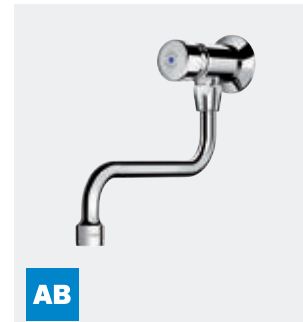
TEMPOSTOP

Wall-mounted or cross wall time flow basin tap



746410

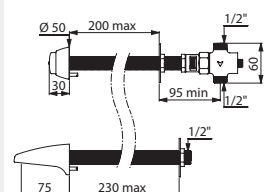
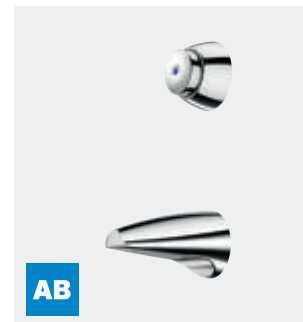
Wall-mounted lever-operated time flow tap



748151

Wall-mounted time flow tap with swivelling spout:

- Time flow ~15 seconds. Suitable for wash tubs.



741943

Cross wall time flow tap:

- Control ≤ 200 mm and spout ≤ 230 mm, cut-to-size.
- Anti-rotating pin and back-nut. AB anti-blocking system.

TEMPOSTOP wall-mounted tap	
M $\frac{3}{8}$ "	744000
M $\frac{3}{8}$ " and AB system	744001
M $\frac{1}{2}$ "	746000
M $\frac{1}{2}$ " with wall plate	746292
M $\frac{1}{2}$ " and AB system	746001
Accessories	
Wall plates for taps $\frac{1}{2}$ " \varnothing 60mm (2 per pack)	292015.2P
Backplate elbow MF $\frac{1}{2}$ "	841315
Extension MF $\frac{1}{2}$ " L. 50mm \varnothing 26mm	822516
Extension MF $\frac{1}{2}$ " L. 100mm \varnothing 24mm	822115

We recommend installing a TMV (see page 129)

Option for AB versions: factory pre-set at 1.5 lpm (add "LD" after the reference)

TEMPOSTOP tap	
Wall-mounted lever-operated tap	746410
Wall-mounted with swivelling spout	748150
Wall-mounted with swivelling spout and AB system	748151
Cross wall and AB system	741943
Back-nut F $\frac{1}{2}$ " with 3 stainless steel screws	826315

We recommend installing a TMV (see page 129)

Alternative cross wall lengths (up to 400mm) available on request

Option for AB versions: factory pre-set at 1.5 lpm (add "LD" after the reference)



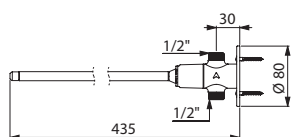
- **Hygiene:** no manual contact, automatic timed or instant shut-off depending on the model
- **Comfort:** automatic shut-off

TEMPOGENOU

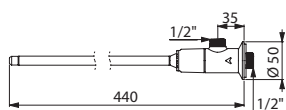
Knee-operated time flow basin valve



- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- Control lever reinforced by an internal stainless steel rod.
- Solid brass wall plate with reinforced fixing via 4 stainless steel screws on the in-line model.
- Cold or mixed water supply.
- **Chrome-plated solid brass body.**



735400



734100

TEMPOGENOU valve	
Straight for in-line inlet, M $\frac{1}{2}$ "	735400
Straight for in-line inlet, Ø 15mm for compression fittings	73544715
Angled for recessed inlet, M $\frac{1}{2}$ "	734100

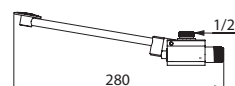
We recommend installing a TMV (see page 129)
Option: spout (see opposite)

MIXFOOT / MONOFOOT

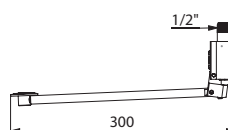
Foot-operated basin mixer/valve with instant shut-off



- **Instant automatic shut-off.**
- **Pedal can be raised for cleaning the floor.**
- Adjustable pedal height.
- Fixed by 4 screws.
- Filters.
- Pre-set mixing can be adjusted on the MIXFOOT mixer version: half open for cold water and fully open for mixed water (pedal touching the floor).
- Available for floor or wall-mounting.



739100



736102

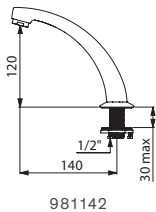
MIXFOOT mixer	
Floor-mounted, stud nut Ø 14mm	739000
Floor-mounted M $\frac{1}{2}$ "	739100
Wall-mounted M $\frac{1}{2}$ "	739102
MONOFOOT valve	
Floor-mounted, stud nut Ø 14mm	736001
Floor-mounted M $\frac{1}{2}$ "	736101
Wall-mounted M $\frac{1}{2}$ "	736102

We recommend installing a TMV (see page 129) with the MONOFOOT valve
Option: spouts (see opposite)

Fixed, cast spout
Deck-mounted

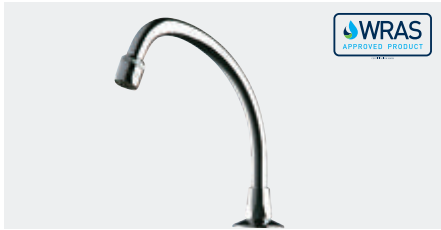


- Spout L. 140mm, H. 120mm, M $\frac{1}{2}$ ".
- Reinforced fixing by 3 stainless steel screws.
- Chrome-plated solid brass.
- Scale-resistant flow straightener regulated at 3 lpm.

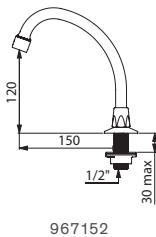


Fixed, cast spout	981142
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Swivelling swan neck spout
Deck-mounted



- Swan neck spout M $\frac{1}{2}$ ".
- Fixing by back-nut.
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.

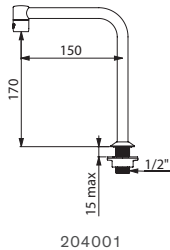


Swivelling swan neck spout	
L. 150mm H. 120mm	967152
L. 200mm H. 200mm	967202

Tubular spout
Deck-mounted

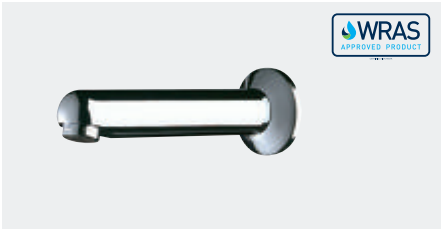


- Tubular spout on base M $\frac{1}{2}$ ".
- Chrome-plated brass.
- Spout with smooth interior (reduces bacterial development).
- Scale-resistant flow straightener.

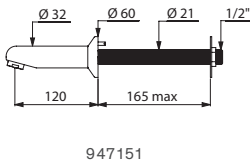


Swivelling tubular spout Ø 22	
L. 150mm H. 140mm, 3 lpm	1306T1
L. 200mm H. 260mm, 3 lpm	1306T2
L. 300mm H. 260mm	1306T3
Fixed tubular spout Ø 16mm	204001

Fixed spout
Wall-mounted / Cross wall

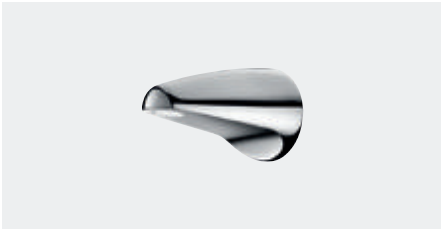


- Spout Ø 32mm, M $\frac{1}{2}$ ".
- Chrome-plated solid brass.
- Scale-resistant flow straightener regulated at 3 lpm.

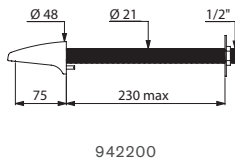


Cross wall spout with wall plate	
L. 120mm	947151
L. 170mm	947157
Wall-mounted spout no wall plate (recessed inlet)	
L. 110mm	947120
L. 160mm	947170
Wall-mounted spout with wall plate (recessed inlet)	
L. 120mm	947135

Fixed spout
Cross wall



- Spout L. 75mm, M $\frac{1}{2}$ ".
- For cross wall installation with anti-rotating pin.
- Threaded rod can be cut to size.
- Streamlined, ligature-resistant design.
- Chrome-plated solid brass.
- Star-shaped scale-resistant flow straightener.

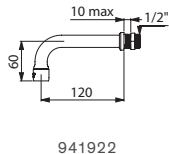


Cross wall fixed spout	
For walls ≤ 230mm	942200
For panels ≤ 30mm	942040
Back-nut with 3 screws	826315
Alternative cross wall lengths available on request	

Fixed L-shaped spout
Wall-mounted



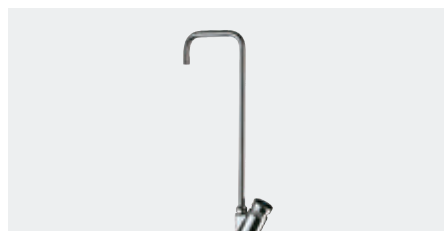
- Tubular spout Ø 18mm, M $\frac{1}{2}$ ".
- L. 120mm.
- Chrome-plated brass.
- Flow straightener.



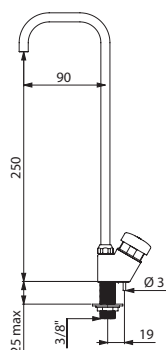
Wall-mounted L-shaped universal spout	
Star-shaped flow straightener	941120
Flow straightener regulated at 3 lpm for panels ≤ 10mm	941922

Swan neck tap

For water fountains



- Instant shut-off.
- Adjustable flow rate.
- Chrome-plated brass body and stainless steel spout.



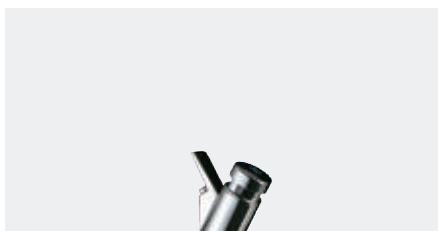
311QU1

Swan neck tap

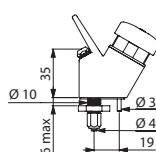
For Rilsan tube 4 × 6	311TR1
M $\frac{3}{8}$ "	311QU1

Bubbler

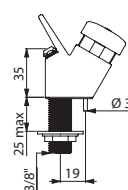
For water fountains



- Instant shut-off.
- Adjustable flow rate.
- Chrome-plated brass.



312TR1



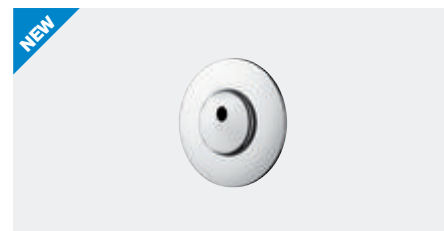
312QU1

Bubbler

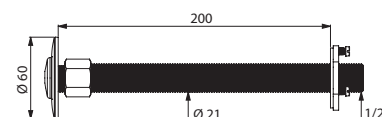
For Rilsan tube 4 × 6	312TR1
M $\frac{3}{8}$ "	312QU1

Bubbler

For cross wall installation



- Chrome-plated solid brass.
- **30° angle.**
- Anti-rotating pin and back-nut.
- **For walls ≤ 200mm.**
- Threaded rod can be cut to size.
- Inlet M $\frac{1}{2}$ ".

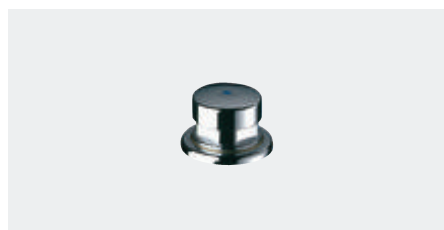


318200

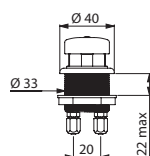
Cross wall bubbler	318200
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Push-button control

For swan neck taps and bubblers



- Instant shut-off.
- For swan neck spouts and bubblers.
- Chrome-plated brass.
- Connector for Rilsan tube 4 × 6.



319T61

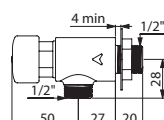
Push-button control	319T61
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TEMPOSTOP

For hand washbasins



- Time flow ~7 seconds.
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.5 - 6 lpm.
- Rough cast body and chrome-plated push-button.
- Inlet M $\frac{1}{2}$ ".
- To be placed behind hand washbasin wall plate.



748626

TEMPOSTOP tap with push-button	748626
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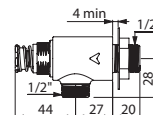
We recommend installing a TMV (see page 129)

TEMPOSTOP

For hand washbasins



- Time flow ~7 seconds.
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.5 - 6 lpm.
- Rough cast body.
- Inlet M $\frac{1}{2}$ ".
- To be placed behind hand washbasin wall plate.



748126

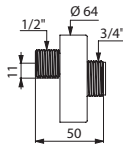
TEMPOSTOP tap without push-button	748126
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We recommend installing a TMV (see page 129)

Offset connector
Standard



- Offset standard connector 11mm.
- M1/2" - M3/4".
- Escutcheon Ø 64mm.
- L. 50mm.
- Chrome-plated brass.
- Supplied in packs of 2.



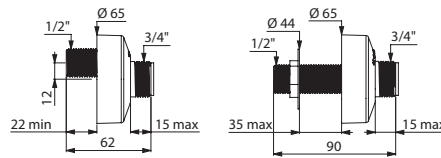
856794.2P

Offset standard connector	856794.2P
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Offset or in-line connector
With STOP/CHECK



- Chrome-plated brass connector.
- M1/2" - M3/4".
- Escutcheon Ø 65mm.
- STOP function: integrated stopcock.
- CHECK function: checks if non-return valves are watertight where fitted to mixers (DELABIE patented).
- Supplied in packs of 2.



855755.2P

855755UK.2P

Wall connector with STOP/CHECK	
Offset 12mm	855755.2P
In-line for cross wall installation	855755UK.2P

ECO flow straightener
Pre-set at 3 lpm



- Flow straightener pre-set at 3 lpm (DELABIE patented).
- Flow rate can be adjusted from 1.5 - 6 lpm at 3 bar (depending on the mixer/tap model) from the outside with a 2.5mm Allen key.
- Flow straightener with no grid: reduces bacterial development (no water retention or scale deposits).
- Supplied in packs of 2.

The water savings generated by the ECO flow straightener surpass the requirements of class 'Z' of the European standard EN 246.



922024.2P

Scale-resistant ECO flow straightener	
M24/100	922024.2P
F22/100	922022.2P
2.5mm Allen key	C282025

ECO aerator
1.5 lpm



- Rain effect aerator.
- 1.5 lpm.
- Ref. 925716.2P to screw in.
- Ref. 925724.2P to insert in an aerator carrier.
- Complies with environmental label requirements.
- Supplied in packs of 2.



925716.2P



925724.2P

ECO aerator	
M16.5/100	925716.2P
M24/100	925724.2P

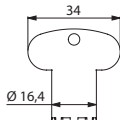
Comfort aerator
M16.5/100



- Aerator with comfortable spray.
- M16.5/100.
- For new design TEMPOMIX and TEMPOMIX 3 recessed.
- Supplied in packs of 2.



925616.2P



222429

Aerator M16.5/100	
Aerator	925616.2P
Service key	222429

BIOSAFE outlet
M16.5/100



- BIOSAFE free flow hygienic outlet.
- M16.5/100.
- With no grid or partitions in contact with the water.
- Water cannot stagnate in the internal part reducing bacterial development.
- Made from Hostaform® reducing the build-up of scale.
- For TEMPOMIX 3 recessed.
- Supplied in packs of 2.



923016.2P

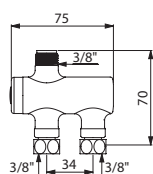
BIOSAFE outlet M16.5/100	
BIOSAFE outlet	923016.2P
Service key	222429

PREMIX NANO

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 34 - 60°C.
- To be placed upstream of the mixer/tap.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.
- For 1 or 2 taps.



732016

PREMIX NANO

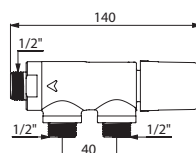
Nickel, FFM%	732012
Polished, FFM%	732016

PREMIX COMPACT

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 30 - 60°C.
- To be placed upstream of the mixer/tap.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.



733016

PREMIX COMPACT

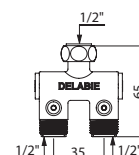
M 1/2" - 2 - 7 valves	733016
M 3/4" - 2 - 10 valves	733021

Alternative COMPACT models available (see page 141)

Pre-mixer Compact



- For installation beneath the basin.
- Nickel-plated body MF 1/2".
- Controllable non-return valves and filters.



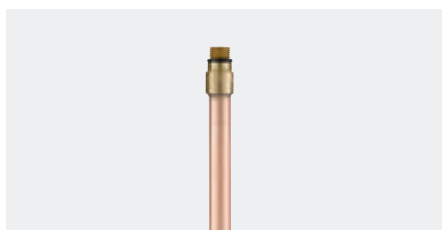
200000

Pre-mixer Compact

200000

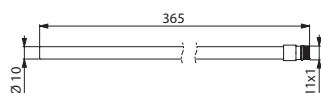
Copper tails

To supply mixers and taps



- Soft tempered copper tails.
- Can be installed instead of PEX flexibles.
- Better conductors than flexibles.
- More effective thermal shocks.
- M11 x 100, L. 365mm.
- Supplied in packs of 2.

Don't forget to include non-return valves on the copper tails if the PEX flexibles to be replaced have integral non-return valves (call our Technical team for more information).



811611.2P

Copper tails

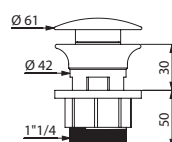
811611.2P

ON/OFF waste

With stainless steel valve



- Washbasin waste M1 1/4" with stainless steel valve with free flow.
- Recommended for all washbasins equipped with electronic or time flow mixers/taps and washbasins with an overflow.
- Open/close by pressing the top of the waste.



581000

ON/OFF waste

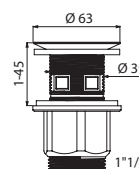
581000

HYGIÉNA waste

With concave grid



- Hygienic washbasin waste, M1 1/4".
- Concave grid (no water retention).
- Free flow, with no central screw (avoids scale deposits and reduces bacterial development).
- Pre-scored waste: snap off sections can be removed for models with overflow.
- Polished chrome-plated brass grid, chrome-plated ABS body.
- Can adapt to any material and size of washbasin or sink.
- Can be tightened to a minimum of 1mm or maximum of 45mm.



611

HYGIÉNA waste

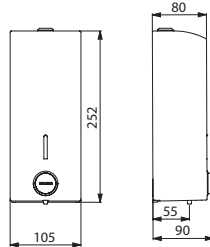
611

Wall-mounted liquid soap dispenser

With soft-touch operation



- Vandal-resistant model with lock and standard DELABIE key.
- One-piece, hinged cover for easy maintenance and better hygiene.
- Push-button with soft-touch operation.
- Anti-blocking: single dose per press, even when the button is pressed for long periods.
- No waste, non-drip pump-action dispenser.
- Tank with large opening: eases transfer of soap from large containers.
- Level control window.
- For vegetable-based liquid soap with a maximum viscosity of: 3,000 mPa.s.



510580

Soft-touch operation liquid soap dispenser - 1 Litre

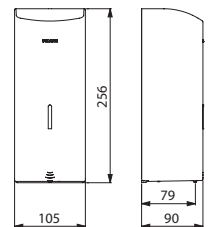
304 stainless steel bright polished finish	510580
304 stainless steel polished satin finish	510582
304 stainless steel white powder-coated	510581

Wall-mounted liquid soap dispenser

Electronic



- Vandal-resistant model with lock and standard DELABIE key.
- No manual contact: hands are automatically detected by infrared cell.
- One-piece, hinged cover for easy maintenance and better hygiene.
- No waste pump dispenser: dispenses 0.8ml (can be adjusted up to 7 doses per activation).
- Option of operation in anti-clogging mode.
- Power supply: 6 AA – 1.5V (DC9V) batteries supplied integrated in the soap dispenser body.



512066P

Electronic liquid soap dispenser - 1 litre

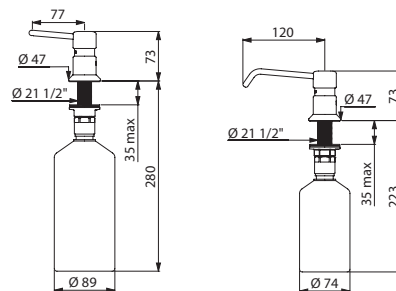
304 stainless steel bright polished finish	512066P
304 stainless steel polished satin finish	512066S
304 stainless steel white powder-coated	512066W

Deck-mounted liquid soap dispenser

With straight or curved spout



- Model for installing on washbasins.
- Vandal-resistant model.
- Chrome-plated brass body and push-button.
- Non-drip system (waterproof).
- Mechanism can be locked via a grub screw.
- Top fill (by unscrewing the push-button) or from the lower part (by unscrewing the bottle).



729008

729512

Deck-mounted liquid soap dispenser - Straight spout

With 1 litre bottle	729008
With 0.5 litre bottle	729508
With 1.20m flexible tube for remote tank	729108

Deck-mounted liquid soap dispenser - Curved spout

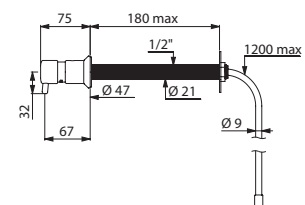
With 1 litre bottle	729012
With 0.5 litre bottle	729512
With 1.20m flexible tube for remote tank	729112

Cross wall liquid soap dispenser

With straight spout



- Vandal-resistant model for cross wall installation for walls up to 180mm.
- For remote tanks (tank not supplied), with 1.20m flexible tube.
- Chrome-plated brass body and push-button.
- Non-drip system (waterproof).
- Mechanism can be locked via a grub screw.



729150

Cross wall liquid soap dispenser	729150
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Showers

ELECTRONIC PANELS 67



TIME FLOW PANELS 75



ELECTRONIC CONTROLS 95



TIME FLOW CONTROLS 99



FLOOR TRAPS 119



TERMINAL FILTERS 125





HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact

DELABIE's electronic shower panels are operated by active infrared detection. Flow opens/shuts off when the detector senses hands.

No manual contact prevents the spread of germs.

Anti-bacterial duty flush programme

If a shower is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during holidays, etc.). DELABIE's electronic shower panels have a duty flush programme.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use.

Reduced-stagnation solenoid valve

Most solenoid valves are fitted with a rubber membrane behind which water stagnates and is not renewed. This can lead to bacterial proliferation.

DELABIE has developed a technology without a membrane (patented system).

With this **piston-operated solenoid valve**, water is drained and renewed with every use which **reduces niches where bacteria can develop**.

The solenoid valve's self-cleaning system with a calibrated groove reduces the build-up of dirt. Furthermore, its slow closure eliminates water-hammer.

Scale-resistant shower head

The nozzle in the shower head is made from **Hostaform®**, a material that is highly scale-resistant (build-up of scale is 10 times slower).

The design, with no grid, allows the shower head to **drain the water after use, preventing the spread of germs**.

Thermal shocks

With **SECURITHERM** technology, it is possible to undertake thermal shocks without removing the panel. Simply press the red button with a pointed tool to override the maximum temperature limiter.

Pathogen-free mixers and taps

DELABIE guarantees that its shower panels will be delivered free from pathogenic bacteria.

For more information see page 4.

DESIGN

DELABIE's products, known for their endurance and reliability, have a timeless design. The diversity of the product range fits in perfectly with any commercial installation.

Aesthetic products are subject to less vandalism as they are better respected. The smooth shape of the showers reduces the build-up of dirt and facilitates cleaning.

Easy but secure access to the control mechanisms provides easy maintenance.

80% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional showers, DELABIE's electronic shower panels can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

• Automatic shut-off and split delivery

The shower can be interrupted at any moment by the user. If the user forgets, **a security shut-off** stops the flow after 60 seconds.

This removes the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

• Flow rate 6 lpm

DELABIE's electronic shower panels are regulated at **6 lpm**. **The flow rate remains constant** regardless of pressure variations in the system.

Energy savings

DELABIE's electronic shower panels do not require much energy to operate. DELABIE has chosen infrared active pulse technology, **a low-power consumption solution**.

The infrared beam is emitted intermittently, saving energy while ensuring effective detection. The batteries have an average lifespan of **350,000 cycles** (i.e. 3 to 6 years) depending on the frequency of use. The Lithium batteries are widely available, affordable and recyclable.

The significant **hot water savings** provided by DELABIE's shower panels also result in energy savings.

Environmental labels

The water and energy saving performance of DELABIE's shower panels means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM, HQE or ESTIDAMA.

For more information see page 8.



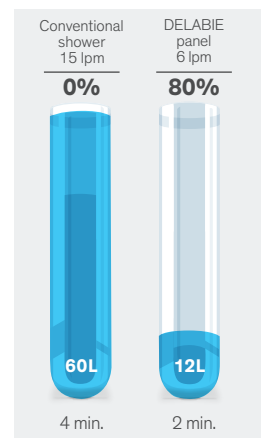
Hygiene and controlling bacterial proliferation



Reduced-stagnation solenoid valve









Water nozzle with no grid



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE electronic panel

Flow rate	Wetting	Soaping	Rinsing	Water consumption
15L	 1 min.	 2 min.	 1 min.	60L 4 min.
6L	 1 min.		 1 min.	12L 2 min.



Anti-scalding safety



Comfortable spray



Choice of sizes and finishes



Vandal-resistant

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

ON/OFF mode: activation with no manual contact

Electronic detection allows all users (children, the elderly or people with reduced mobility) to use the shower with no effort required.

Voluntary activation and closure with no manual contact provide perfect hygiene.

Temperature selection and stability

The users can choose their desired water temperature by adjusting the single control.

SECURITHERM thermostatic shower panels provide additional comfort by regulating water temperature even with variations in pressure.

Anti-scalding safety

• Maximum temperature limiter

DELABIE's mixers are delivered with a **pre-set maximum temperature limiter** which can be adjusted during installation. The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

• Anti-scalding failsafe

SECURITHERM thermostatic technology ensures that the hot water supply **shuts off immediately** if the cold water supply fails (and vice versa).

Comfortable spray

The specially designed nozzle delivers a **comfortable spray** which provides **effective** coverage and a reduced noise level. The spray can be **adjusted**.

Types of supply

The electronic shower panels are available with **top inlet** (via stopcocks) or **concealed inlet** (via flexibles).

Sizes and finishes

DELABIE's shower panels are available in two different finishes: **aluminium** H. 1.0m, W. 21cm and **stainless steel** H. 1.20m, W. 25cm.

The large models are ideal for hiding the traces of previous recessed installations.

Technical characteristics

Operating pressure	1 - 5 bar, 3 bar recommended
Pressure differential CW / HW	$\Delta P < 1$ bar
Electrical supply*	230V / 50Hz class II (without earth connection)
6V Lithium battery*	223 standard battery Average lifespan ~350,000 cycles or 3 to 6 years
Duty flush programme	24hr after the last use
Automatic shut-off in event of negligence	Prevents blocking in the open position
Temperature limiter	Can be adjusted
HW supply	55°C
CE	Complies with European directives CEM 2014/30/UE and BT 2014/35/UE

* Depending on model

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

DELABIE's shower panels do not need to be recessed and respond to the need for vandal-resistant products in public environments whilst preserving user comfort.

Resistant to intensive use and vandalism

DELABIE's shower panels are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The panels are made from **durable and resistant materials** whilst the controls and shower heads are made from chrome-plated solid brass.

The mechanisms and sensors are **shock-resistant**.

The panel **fixings are reinforced and concealed**.

The ends are concealed to make the back of the panel inaccessible. **Streamlined designs** discourage attempts at vandalism.

To prevent abuse and waste, the **security shut-off** system prevents the valve from being blocked in continuous flow.

Superior endurance

DELABIE's electronic shower panel systems are hard-wearing. The piston-operated solenoid valve is self-cleaning, which extends its lifespan to over **500,000 operations**.

DELABIE's controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Minimal servicing

Shower head nozzles and mechanisms, made from **scale-resistant materials** (Hostaform®), do not require de-scaling.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff. Access to the battery and mixer cartridge is from the **front, without having to remove the panel**.

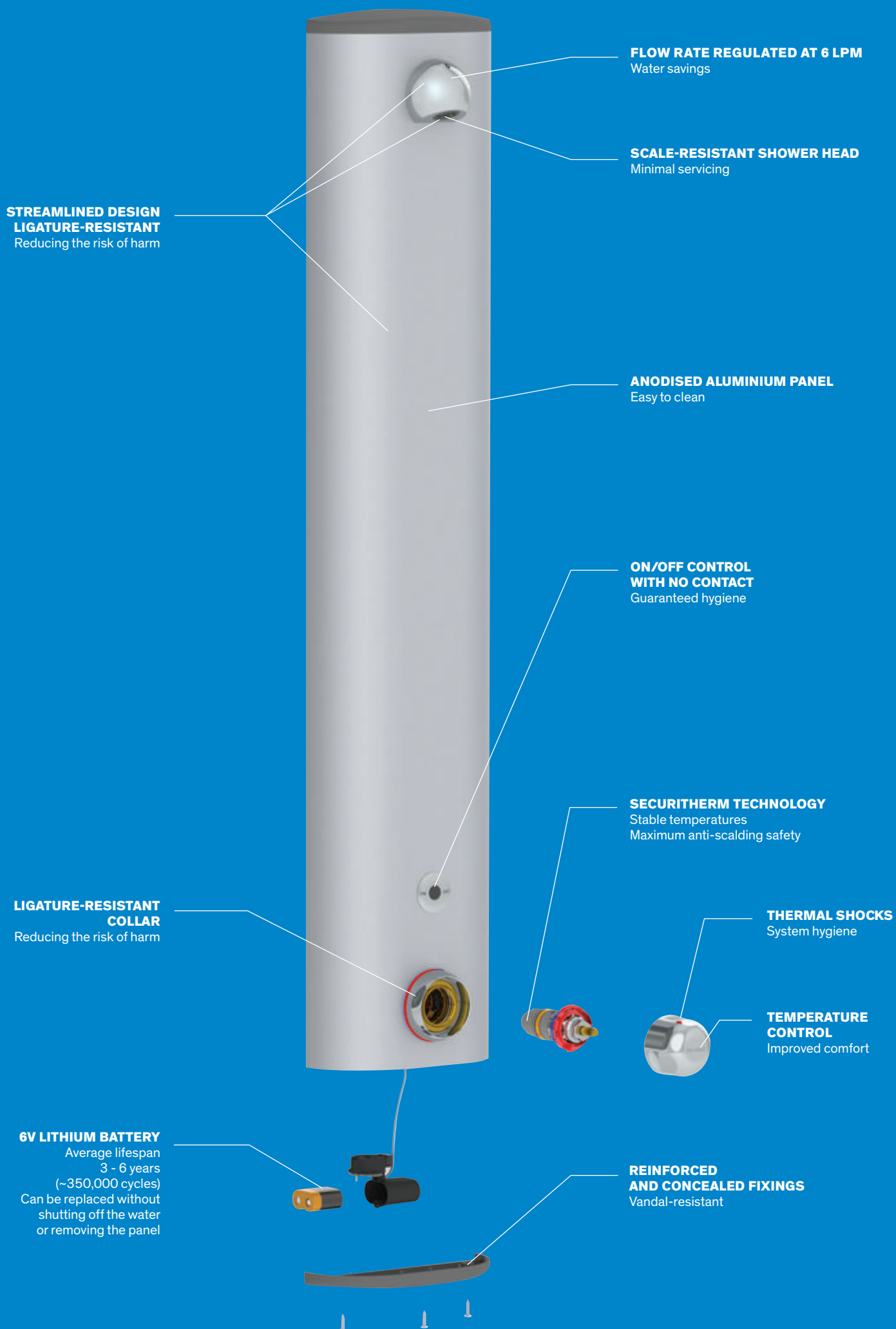
Easy to install

The shower panels are delivered ready to mount and are quick to install.

Reliable presence detection

DELABIE has chosen the most reliable detection system: **infrared active pulse**. It cannot be adjusted or affected by variations in light levels.

10-year warranty against any manufacturing defects.





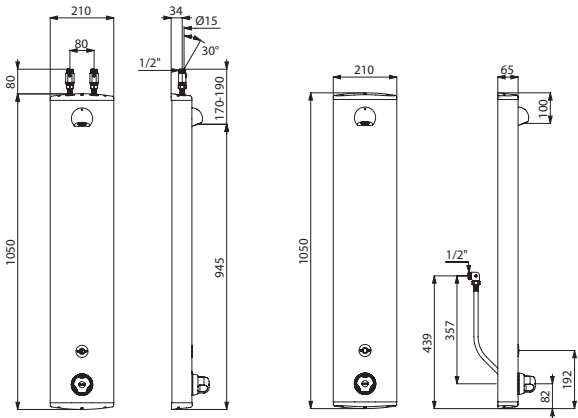
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush, scale-resistant shower head
- **Comfort:** temperature selection directly on the mixer, thermostatic control, voluntary or automatic shut-off
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails

SECURITHERM aluminium

Thermostatic electronic shower panel



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic mixer.**
- Adjustable temperature control from cold water up to 38°C with 1st limiter set at 38°C and 2nd limiter set at 41°C (except for ref.s 79240015 and 792410UK: single temperature limiter set at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **Battery-operated with 223 6V Lithium battery.**
- Infrared presence detection. Shower starts when hand is moved towards the sensor (detection distance ~4cm).
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters and non-return valves.



79240015

792410

SECURITHERM aluminium electronic panel	
Top inlet via in-line stopcocks M1/2"	792400
Top inlet via in-line stopcocks Ø 15mm for compression fittings *	79240015
Concealed inlet via flexibles M1/2"	792410
Concealed inlet via flexibles M1/2" *	792410UK

* Single temperature limiter set at 41°C
We recommend installing a floor trap (see page 89)
Option: extension for shower panel (see page 88)



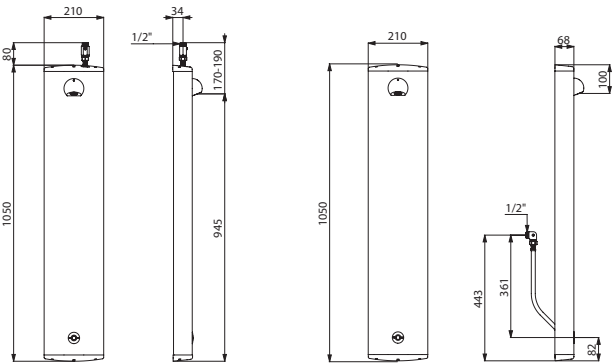
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush, scale-resistant shower head
- **Comfort:** voluntary or automatic shut-off

TEMPOMATIC aluminium

Electronic shower panel



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **TEMPOMATIC electronic valve** for mixed water supply.
- **Battery-operated with 223 6V Lithium battery.**
- Infrared presence detection. Shower starts when hand is moved towards the sensor (detection distance ~4cm).
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- M $\frac{1}{2}$ " connection.
- Concealed fixings.
- Filter.



452300

452310

TEMPOMATIC aluminium electronic panel

Top inlet via in-line stopcock	452300
Concealed inlet via flexible	452310

We recommend installing a TMV (see page 129) and a floor trap (see page 89)
Option: extension for shower panel (see page 88)



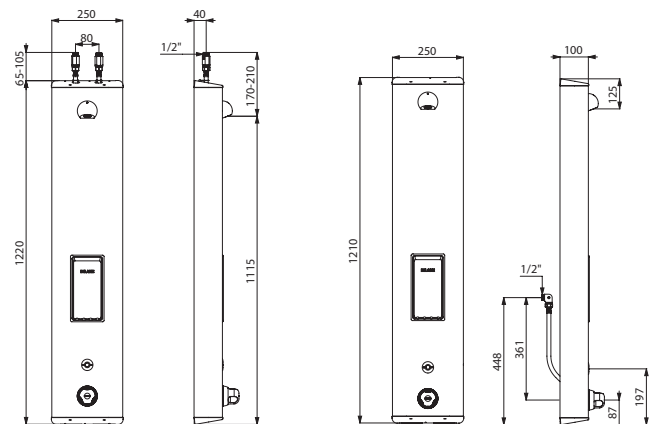
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush, scale-resistant shower head
- **Comfort:** temperature selection directly on the mixer, thermostatic control, voluntary or automatic shut-off
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails

SECURITHERM stainless steel

Battery-operated thermostatic electronic shower panel



- Large stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic mixer.**
- Adjustable temperature control from cold water up to 38°C with 1st limiter set at 38°C and 2nd limiter set at 41°C (except for ref. 79240415: single temperature limiter set at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **Battery-operated with 223 6V Lithium battery.**
- Shower starts when hand is moved towards the sensor (detection distance ~4cm).
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.



792404

792414

SECURITHERM stainless steel battery-operated electronic panel

Top inlet via in-line stopcocks, M $\frac{1}{2}$ "

With integrated soap dish	792404
Without soap dish	792403

Top inlet via in-line stopcocks, Ø 15mm for compression fittings

With integrated soap dish *	79240415
-----------------------------	-----------------

Concealed inlet via flexibles, M $\frac{1}{2}$ "

With integrated soap dish	792414
Without soap dish	792413

* Single temperature limiter set at 41°C

Options: extension for shower panel (see page 88)

10 lpm comfort nozzle, add "CF" after the reference (see page 122)



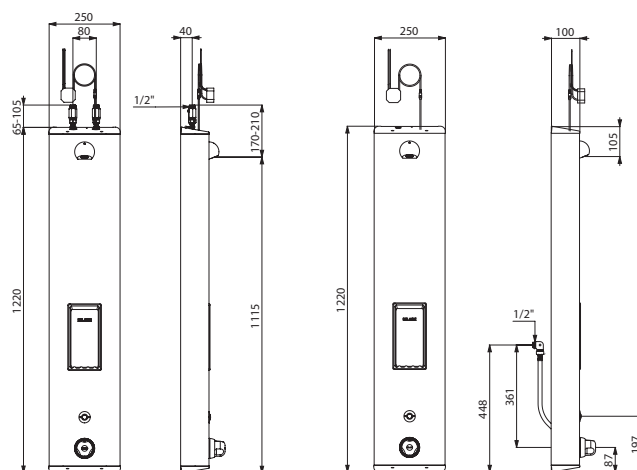
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush, scale-resistant shower head
- **Comfort:** temperature selection directly on the mixer, thermostatic control, voluntary or automatic shut-off
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails

SECURITHERM stainless steel

Thermostatic electronic shower panel with mains supply



- Large stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic mixer.**
- Adjustable temperature control from cold water up to 38°C with 1st limiter set at 38°C and 2nd limiter set at 41°C.
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **230/6V mains supply.**
- Shower starts when the electronic push-button is pressed.
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Integrated soap dish.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.



792504

792514

SECURITHERM stainless steel mains supply electronic panel

Top inlet via in-line stopcocks	792504
Concealed inlet via flexibles	792514

Options: extension for shower panel (see page 88)
10 lpm comfort nozzle, add "CF" after the reference (see page 122)



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic timed shut-off, with no manual contact
DELABIE's time flow shower panels shut off automatically once the push-button has been pressed and the valve has opened.

No manual contact after washing prevents the spread of germs by hand.

Scale-resistant shower head

The nozzle in the shower head is made from **Hostaform®**, a material that is highly scale-resistant (build-up of scale is 10 times slower). The design, with no grid, allows the shower head to **drain the water after use, preventing the spread of germs.**

Thermal shocks

With **SECURITHERM** technology, it is possible to undertake thermal shocks without removing the panel. Simply press the red button with a pointed tool to override the maximum temperature limiter.

Pathogen-free mixers and taps

DELABIE guarantees that its shower panels will be delivered free from pathogenic bacteria.
For more information see page 4.

DESIGN

Commercial environments and design

DELABIE's products, known for their endurance and reliability, have a **timeless design**. The diversity of the product range fits in perfectly with any commercial installation. In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings. In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected. The **smooth shape** of the showers reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms provides easy maintenance.

80% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional showers, DELABIE's time flow shower panels can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

• Automatic shut-off and split delivery

The time flow is automatic and shuts off after approximately 30 seconds of flow.

DELABIE's time flow panels remove the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

• Flow rate 6 lpm

DELABIE's time flow shower panels are regulated at **6 lpm**. **The flow rate remains constant** regardless of pressure variations in the system.

Energy savings

DELABIE's time flow shower panels operate completely autonomously with no need for an electrical supply. They **do not consume any power at all**. The significant **hot water savings** provided by DELABIE's shower panels also result in energy savings.

Ecological

DELABIE's shower panels are made from materials that are **100% recyclable** which ensures that the products receive the best ecological assessment in their category.

Environmental labels

The water and energy saving performance of DELABIE's shower panels means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM, HQE or ESTIDAMA.

For more information see page 8.



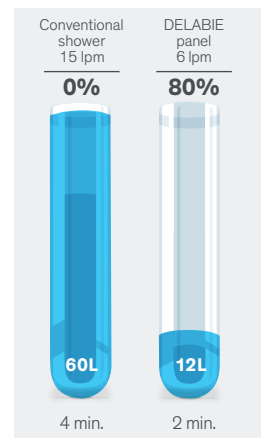
Hygiene and controlling bacterial proliferation



Optimised time flow









Water nozzle with no grid

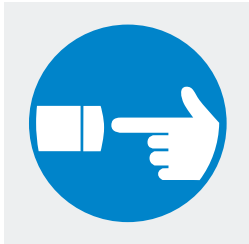


Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE time flow panel

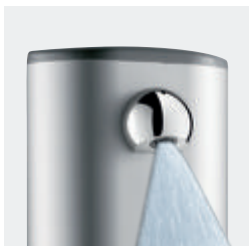
Flow rate	Wetting	Soaping	Rinsing	Water consumption
15L	 1 min.	 2 min.	 1 min.	60L 4 min.
6L	 2 x 30 sec.		 2 x 30 sec.	12L 2 min.



Soft technology:
soft-touch operation



Anti-scalding safety



Comfortable spray



Choice of sizes and finishes

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user. DELABIE has developed specific products to respond to a variety of challenges (improving comfort, avoiding waste, user safety, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow controls with **soft-touch operation**. Soft technology allows all users (children, the elderly or people with reduced mobility) to use the showers with no effort required. **TEMPOSOFT** panels are fitted with a priming system that requires half the effort to operate ensuring user comfort.

Temperature selection and stability

Mixer versions (TEMPOMIX) of DELABIE's shower panels are available. They offer the user additional comfort by allowing them to choose the water temperature. Temperature adjustment is done via the single control. **SECURITHERM** thermostatic shower panels provide additional comfort by regulating water temperature even with variations in pressure.

Anti-scalding safety

- **Maximum temperature limiter**
DELABIE's mixers are delivered with a **pre-set maximum temperature limiter** which can be adjusted during installation.
The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.
- **Anti-scalding failsafe**
SECURITHERM thermostatic technology ensures that the hot water supply **shuts off immediately** if the cold water supply fails (and vice versa).

Comfortable spray

The specially designed nozzle delivers a **comfortable spray** which provides **effective** coverage and a reduced noise level. The spray can be **adjusted**.

Types of supply

The time flow shower panels are available with **top inlet** (via stopcocks) or **concealed inlet** (via flexibles).

Sizes and finishes

DELABIE's shower panels are available in two different finishes: **aluminium** H. 1.0m, W.21cm and **stainless steel** H. 1.20m, W. 25cm. The large models are ideal for hiding the traces of previous recessed installations.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

DELABIE's shower panels do not need to be recessed and respond to the need for vandal-resistant products in public environments whilst preserving user comfort.

Resistant to intensive use and vandalism

DELABIE's shower panels are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary. The panels are made from **durable and resistant materials** whilst the controls and shower heads are made from chrome-plated solid brass. The mechanisms are **shock-resistant**. The panel **fixings are reinforced and concealed**. The ends are concealed to make the back of the panel inaccessible. **Streamlined designs** discourage attempts at vandalism.

Superior endurance

The mechanisms in DELABIE's time flow panels are hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to **over 500,000 operations**. There is no metal-metal or metal-plastic friction, ensuring **reliable and durable timing**. DELABIE's controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Minimal servicing

Shower head nozzles and mechanisms, made from **scale-resistant materials** (Hostaform®), do not require de-scaling. The self-cleaning mechanisms are protected by filters.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff. The whole of the system is integrated within **an interchangeable cartridge which can be accessed from the front, without having to remove the panel**.

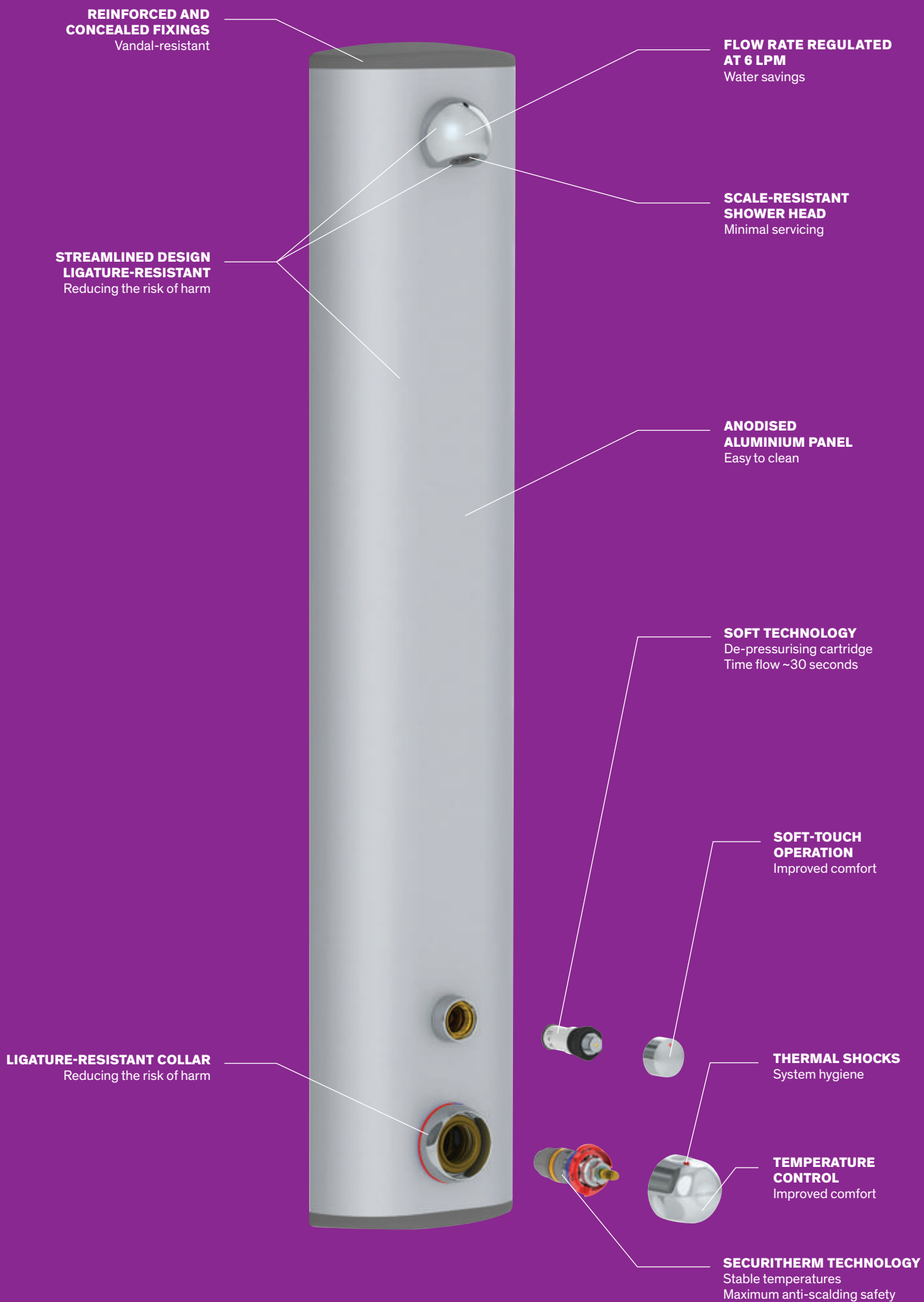
Easy to install

The shower panels are delivered ready to mount and are quick to install.

10-year warranty against any manufacturing defects.

Technical characteristics

Operating pressure	1 - 5 bar, 3 bar recommended
Pressure differential CW / HW	$\Delta P < 1$ bar
Temperature limiter	Can be adjusted
HW supply	55°C
Time flow	30 seconds





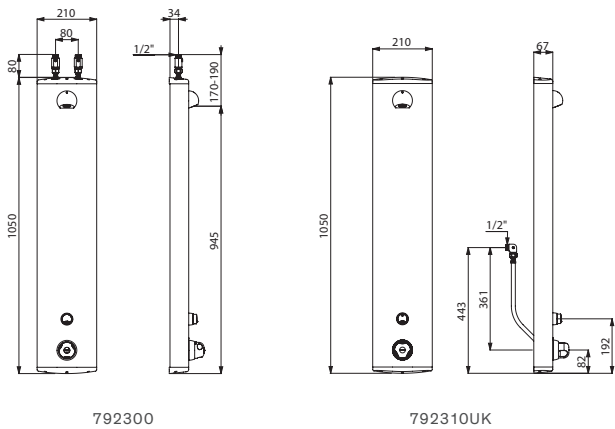
- **Water savings:** 80%
- **Comfort:** temperature selection directly on the mixer, thermostatic control
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails
- **Vandal-resistant:** aluminium panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM aluminium

Time flow shower panel with fixed shower head



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C (except for ref.s 79230015 and 792310UK: single temperature limiter set at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters and non-return valves.



SECURITHERM aluminium time flow panel	
With top inlet via in-line stopcocks	
With soap dish, M1/2"	792305
Without soap dish, M1/2"	792300
Without soap dish, Ø 15mm for compression fittings *	79230015
With concealed inlet via flexibles M1/2"	
Without soap dish	792310
Without soap dish *	792310UK
* Single temperature limiter set at 41°C We recommend installing a floor trap (see page 89) Option: extension for shower panel (see page 88)	



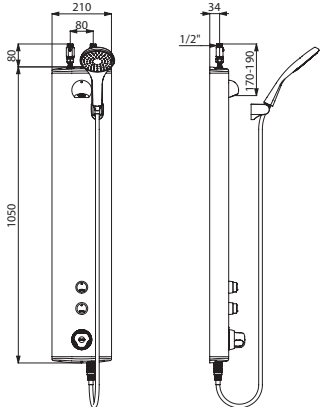
- **Water savings:** 80%
- **Comfort:** temperature selection directly on the mixer, thermostatic control
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails
- **Vandal-resistant:** aluminium panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM aluminium

Time flow shower panel with handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C.
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **Time flow valves ~30 seconds with soft-touch operation.**
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation at **6 lpm** at 3 bar.
- **Handset** with removable flexible via rapid push-fit STOP connector and wall support supplied.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters and non-return valves.



792320

SECURITHERM aluminium dual control time flow panel

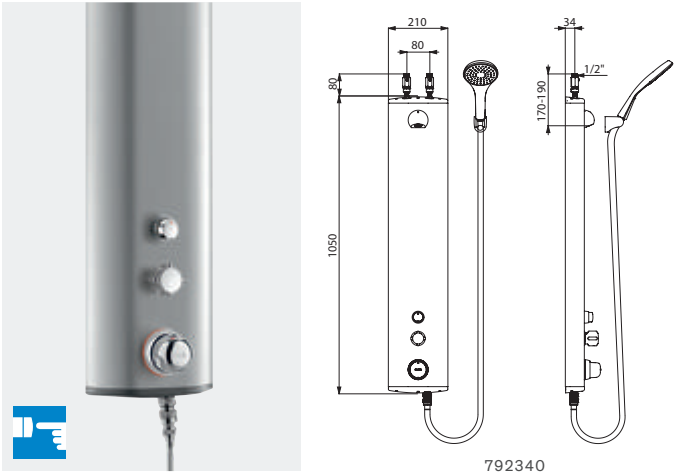
Top inlet via in-line stopcocks	792320
Concealed inlet via flexibles	792330

We recommend installing a floor trap (see page 89)

Option: extension for shower panel (see page 88)

SECURITHERM aluminium

Shower panel with dual control and handset



792340

- **Time flow valve ~30 seconds with soft-touch operation** to control the ROUND shower head.
- **Non-time flow 1/4-turn valve** to control the handset.
- Thermal shocks are possible.



79239015

- **Non-time flow 1/4-turn valves** to control the ROUND shower head and the handset.
- Thermal shocks are possible.

SECURITHERM aluminium dual control shower panel

With time flow valve and non-time flow valve

Top inlet via in-line stopcocks, M $\frac{1}{2}$ "	792340
Concealed inlet via flexibles, M $\frac{1}{2}$ "	792350

With 2 non-time flow valves

Top inlet via in-line stopcocks, M $\frac{1}{2}$ "	792390
Top inlet via in-line stopcocks, Ø 15mm for compression fittings *	79239015
Concealed inlet via flexibles, M $\frac{1}{2}$ "	792380

* Single temperature limiter set at 41°C

We recommend installing a floor trap (see page 89)

Option: extension for shower panel (see page 88)



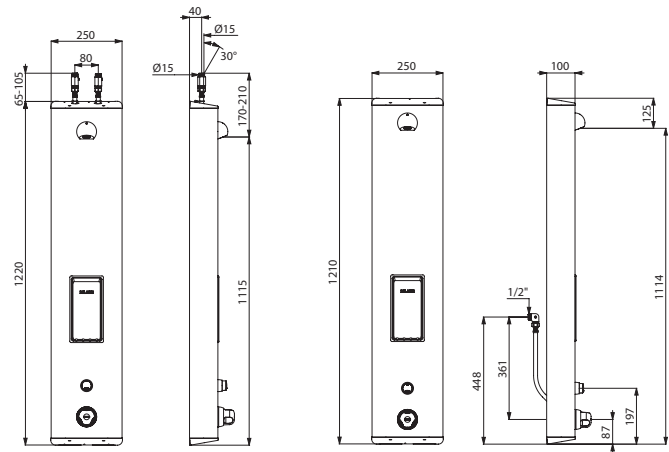
- **Water savings:** 80%
- **Comfort:** temperature selection directly on the mixer, thermostatic control
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails
- **Vandal-resistant:** stainless steel shower panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM stainless steel

Time flow shower panel with fixed shower head



- Large stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C (except for ref. 79230415: single temperature limiter set at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.



79230415

792314

SECURITHERM stainless steel time flow panel	
Top inlet via in-line stopcocks	
With integrated soap dish, M1/2"	792304
With integrated soap dish, Ø 15mm for compression fittings *	79230415
Without soap dish, M1/2"	792303
Concealed inlet via flexibles, M1/2"	
With integrated soap dish	792314
Without soap dish	792313
* Single temperature limiter set at 41°C	
We recommend installing a floor trap (see page 89)	
Options: extension for shower panel (see page 88)	
10 lpm comfort nozzle, add "CF" after the reference (see page 122)	



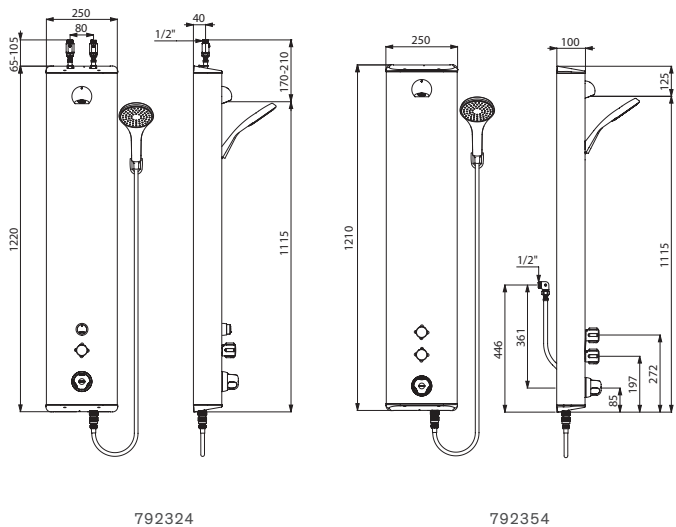
- **Water savings:** 80%
- **Comfort:** temperature selection directly on the mixer, thermostatic control
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails
- **Vandal-resistant:** stainless steel shower panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM stainless steel

Shower panel with dual control and handset



- Large stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic mixer.**
- Adjustable temperature control from cold water up to 38°C; with 1st limiter set at 38°C and 2nd limiter set at 41°C.
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation at **6 lpm** at 3 bar.
- **Handset** with removable flexible via rapid push-fit STOP connector and wall support supplied.
- **Operation:**
 - ref.s 792324 and 792334: **time flow valve ~30 seconds with soft-touch operation** to control the ROUND shower head and **non-time flow 1/4-turn valve** to control the handset.
 - ref.s 792344 and 792354: **non-time flow valves** to control the ROUND shower head and the handset.
- Thermal shocks are possible.
- M1/2" connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.



SECURITHERM stainless steel dual control time flow panel	
Top inlet via in-line stopcocks	792324
Concealed inlet via flexibles	792334
SECURITHERM stainless steel non-time flow dual control panel	
Top inlet via in-line stopcocks	792344
Concealed inlet via flexibles	792354

We recommend installing a floor trap (see page 89)
Option: extension for shower panel (see page 88)





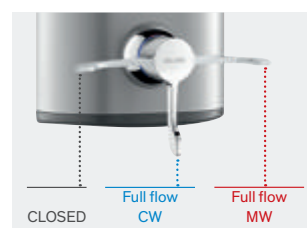
- **Water savings:** 70%
- **Comfort:** temperature selection directly on the mixer, thermostatic control
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails, opens with cold water
- **Vandal-resistant:** aluminium shower panel, concealed fixings, solid brass shower head and shower valve

SECURITHERM aluminium

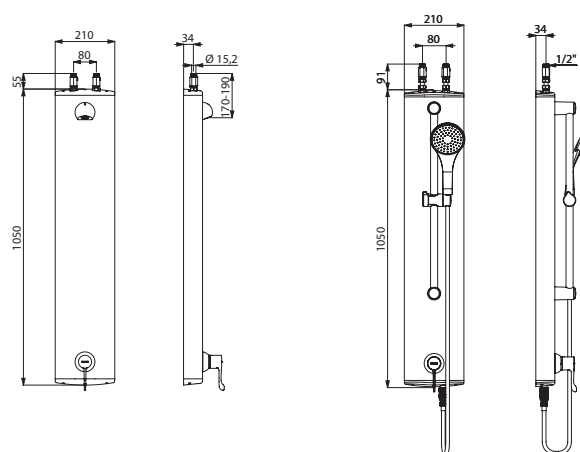
Sequential shower panel with fixed shower head or handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM sequential thermostatic mixer** (non-time flow).
- Adjustable temperature control from cold water up to 39°C; maximum temperature limiter set at 39°C, can be adjusted.
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Thermal shocks are possible.
- Ref.s H963915, H9639 and H9634: **flow rate 6 lpm** at 3 bar with chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Ref.s H963615, H9636 and H9635: **flow rate 9 lpm** at 3 bar with **sliding handset** on a chrome-plated rail with removable flexible hose via rapid push-fit STOP connector.
- Hygiene lever L. 100mm.
- Concealed fixings.
- Filters.



Sequential open and closing



H963915

H963615

SECURITHERM aluminium sequential panel with fixed shower head	
Top inlet via in-line stopcocks, M $\frac{1}{2}$ "	H9639
Top inlet via in-line stopcocks, Ø15mm for compression fittings and copper tubes	H963915
Concealed inlet via flexibles, M $\frac{1}{2}$ "	H9634
SECURITHERM aluminium sequential panel with handset	
Top inlet via in-line stopcocks, M $\frac{1}{2}$ "	H9636
Top inlet via in-line stopcocks, Ø15mm for compression fittings and copper tubes	H963615
Concealed inlet via flexibles, M $\frac{1}{2}$ "	H9635

We recommend installing a floor trap (see page 89)
Option: extension for shower panel (see page 88)



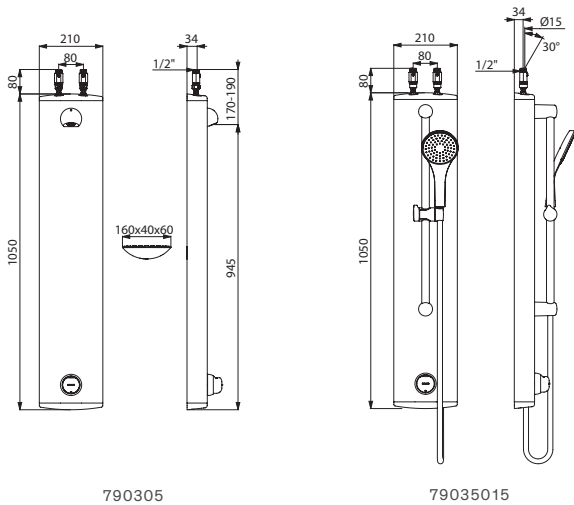
- **Water savings:** 80%
- **Comfort:** temperature selection directly on the mixer, soft-touch operation
- **Vandal-resistant:** aluminium shower panel, concealed fixings, solid brass shower head and shower valve

TEMPOMIX aluminium

Time flow shower panel with fixed shower head or handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **TEMPOMIX mixer** with adjustable maximum temperature limiter.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation or **sliding handset** on a chrome-plated rail with flexible hose.
- Concealed fixings.
- Filters and non-return valves.



TEMPOMIX aluminium panel with fixed shower head	
Top inlet via in-line stopcocks	
With soap dish, M1/2"	790305
With soap dish, Ø 15mm for compression fittings	79030515
Without soap dish, M1/2"	790300
Without soap dish, Ø 15mm for compression fittings	79030015
Concealed inlet via flexibles M1/2"	
Without soap dish	790310
TEMPOMIX aluminium panel with handset	
Top inlet via in-line stopcocks	
Without soap dish, M1/2"	790350
Without soap dish, Ø 15mm for compression fittings	79035015
We recommend installing a TMV (see page 129) and a floor trap (see page 89)	
Options: extension for shower panel (see page 88)	
10 lpm comfort nozzle, add "CF" after the reference (see page 122)	



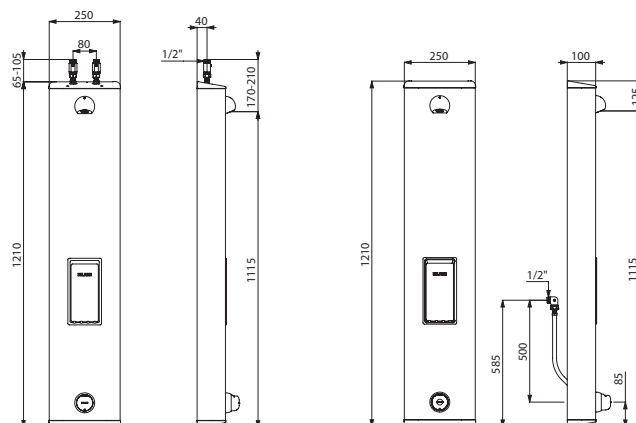
- **Water savings:** 80%
- **Comfort:** temperature selection directly on the mixer, soft-touch operation
- **Vandal-resistant:** stainless steel shower panel, concealed fixings, solid brass shower head and shower valve

TEMPOMIX stainless steel

Time flow shower panel with fixed shower head



- Large stainless steel shower panel for wall-mounted, exposed installation.
- **TEMPOMIX mixer** with adjustable maximum temperature limiter.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Integrated soap dish.
- M $\frac{1}{2}$ " connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.



790204

790214

TEMPOMIX stainless steel panel with fixed shower head

Top inlet via in-line stopcocks	790204
Concealed inlet via flexibles	790214

We recommend installing a TMV (see page 129) and a floor trap (see page 89)

Options: extension for shower panel (see page 88)

10 lpm comfort nozzle, add "CF" after the reference (see page 122)



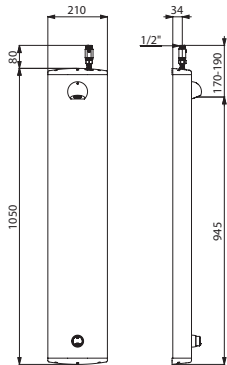
- **Water savings:** 80%
- **Vandal-resistant:** aluminium shower panel, concealed fixings, solid brass shower head and shower valve

TEMPOSOF aluminium

Time flow shower panel with fixed shower head



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- Top inlet supply for mixed water via in-line stopcock M1/2".
- **TEMPOSOF time flow control** for mixed water.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filter.



749300

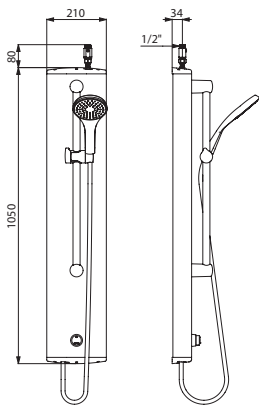
TEMPOSOF aluminium panel with fixed shower head	749300
We recommend installing a TMV (see page 129) and a floor trap (see page 89) Option: extension for shower panel (see page 88)	

TEMPOSOF aluminium

Time flow shower panel with handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- Top inlet supply for mixed water via in-line stopcock M1/2".
- **TEMPOSOF time flow control** for mixed water.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- Sliding **handset** on a chrome-plated rail with flexible hose.
- Concealed fixings.
- Filter.



749350

TEMPOSOF aluminium panel with handset	749350
We recommend installing a TMV (see page 129) and a floor trap (see page 89) Option: extension for shower panel (see page 88)	



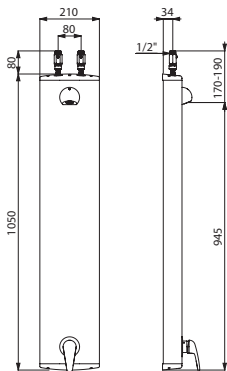
- **Water savings:** 70%
- **Vandal-resistant:** aluminium shower panel, concealed fixings, solid brass shower head and shower valve
- **Comfort:** temperature selection directly on the mixer

Aluminium shower panel

Mechanical shower panel with fixed shower head



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- Top inlet via in-line stopcocks.
- **Mechanical mixer without time flow.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings.
- Filters.



791300

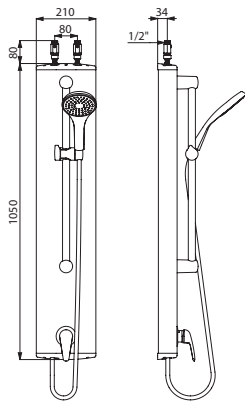
Aluminium shower panel with fixed shower head	
M1/2"	791300
Ø 15mm for compression fittings	79130015
We recommend installing a TMV (see page 129) and a floor trap (see page 89) Option: extension for shower panel (see page 88)	

Aluminium shower panel

Mechanical shower panel with handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- Top inlet via in-line stopcocks M1/2".
- **Mechanical mixer without time flow.**
- Sliding **handset** on a chrome-plated rail with flexible hose.
- Concealed fixings.
- Filters.



791350

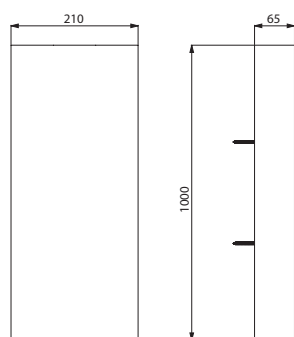
Aluminium shower panel with handset	
	791350
We recommend installing a TMV (see page 129) and a floor trap (see page 89) Option: extension for shower panel (see page 88)	

Cut-to-size extension

For aluminium shower panels



- For aluminium shower panels.
- Protects the pipework between the top of the shower panel and the ceiling.
- W. 210mm, H. 1,000mm.
- Extension can be cut to size.
- Anodised aluminium.



790152

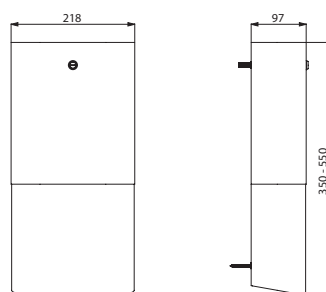
Aluminium extension	790152
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Telescopic extension

For stainless steel shower panels



- For stainless steel shower panels.
- Protects the pipework between the top of the shower panel and the ceiling.
- W. 218mm.
- Height adjustment 350 - 550mm.
- Stainless steel satin finish.



790153

Stainless steel extension	790153
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Soap dish

Wall-mounted



- Concealed fixings.
- Support fixed to wall by 4 screws.
- Chrome-plated Bayblend®.
- Matte or bright finish.



710500

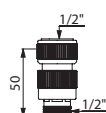
Wall-mounted soap dish	
Matte finish	710500
Bright finish	710501

Rapid push-fit STOP connector

For shower panels



- Rapid push-fit STOP connector.
- For attaching flexible hose to shower panel.



807792

Rapid push-fit STOP connector	807792
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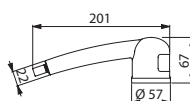
Anti-bacterial BIOFIL shower head

Single use filter



- Single use shower head filter, sterilising grade 0.1µm absolute-rated.
- Non-sterile CE class I anti-bacterial filter.
- Maximum lifespan: 62 days after installation.
- Immediate protection against waterborne nosocomial infections.
- Filtration area: 1,400cm².
- Filtration flow rate: 12 lpm at 3 bar.
- Maximum upstream pressure: 5 bar.

For more information see page 125.



30060.10P

CE anti-bacterial BIOFIL shower head	
Without seal (10 per pack)	30060.10P
Push-fit connector, M1½"	820023

Anti-bacterial BIOFIL cartridge

Single use filter



- Single use cartridge filter, sterilising grade 0.1µm absolute-rated.
- Non-sterile CE class I anti-bacterial filter.
- Maximum lifespan: 62 days after installation.
- Immediate protection against waterborne nosocomial infections.
- Filtration area: 1,400cm².
- Filtration flow rate: 12 lpm at 3 bar.
- Maximum upstream pressure: 5 bar.

For more information see page 125.



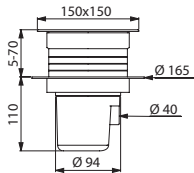
30050A.10P

CE anti-bacterial BIOFIL cartridge	
Without seal (10 per pack)	30050A.10P
Push-fit connector, M24/125	820025

Floor trap 150 × 150mm
For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel plate and grid 150 × 150mm.
- Horizontal or vertical outlet Ø 40mm integrated into the height of the floor trap.
- Height adjusts up to 70mm with extension.



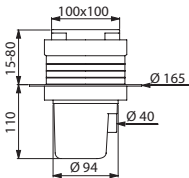
683001

Floor trap 150 × 150mm	683001
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Floor trap 100 × 100mm
For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid 100 × 100mm.
- Horizontal or vertical outlet Ø 40mm integrated into the height of the floor trap.
- Height adjusts up to 80mm with extension.



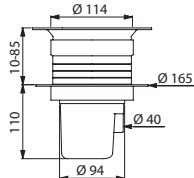
682001

Floor trap 100 × 100mm	682001
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Floor trap Ø 114mm
For soft or vinyl floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid Ø 114mm.
- Horizontal or vertical outlet Ø 40mm integrated into the height of the floor trap.
- Height adjusts up to 85mm with extension.



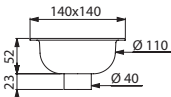
683002

Floor trap Ø 114mm	683002
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Floor trap 140 × 140mm
For tiled or concrete floors



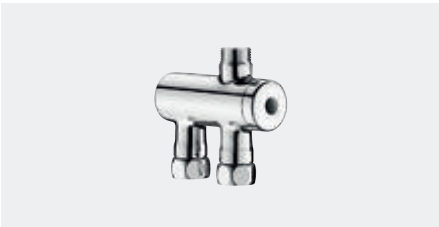
- Flow rate 18 lpm.
- Water level 18mm.
- Brass body 140 × 140mm.
- Bright polished stainless steel grid fixed by a stainless steel screw.
- PVC bell.
- Vertical outlet Ø 40mm (provide elbow for horizontal outlets).



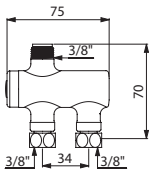
684000

Floor trap 140 × 140mm	684000
------------------------	--------

PREMIX NANO
Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 34 - 60°C.
- To be placed upstream of the shower.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.
- Supplies one shower.



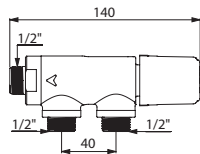
732016

PREMIX NANO	
Nickel, FFM3/8"	732012
Polished, FFM3/8"	732016

PREMIX COMPACT
Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 30 - 60°C.
- To be placed upstream of the shower.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.

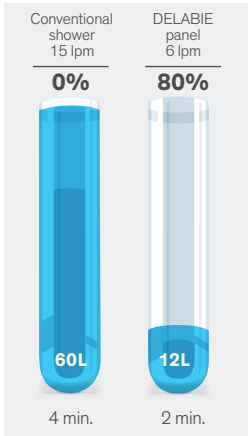


733016

PREMIX COMPACT	
M1/2" - 1 - 3 showers	733016
M3/4" - 1 - 5 showers	733021
Alternative COMPACT models available (see page 141)	



Optimised time flow



Water savings per use



Hygiene and controlling bacterial proliferation



Soft technology: soft-touch operation



Vandal-resistant

80% WATER AND ENERGY SAVINGS

Water savings

• Automatic shut-off and split delivery

The time flow is automatic and shuts off after approximately 30 seconds of flow.

The SPORTING 2 removes the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

• Flow rates at 6 lpm

The SPORTING 2 is regulated at 6 lpm. Thanks to an integrated flow rate regulator in the shower head, the flow rate remains constant regardless of pressure variations in the system.

Energy saving and ecological

The SPORTING 2 operates completely autonomously with no need for an electrical supply. It does not consume any power at all. It is made from materials that are 100% recyclable which ensures that the product receives the best ecological assessment in its category.

Environmental labels

The water and energy saving performance of the SPORTING 2 means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM, HQE or ESTIDAMA.

For more information see page 8.

HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic timed shut-off, with no manual contact

The SPORTING 2 shuts off automatically once the push-button has been pressed and the valve has opened. No manual contact after washing prevents the spread of germs by hand.

Mechanical flush and scale-resistant shower head

The SPORTING 2's de-pressurising system allows a mechanical purge with every use. This prevents water stagnation, partly responsible for bacterial development. The design, with no grid, allows the shower head to drain the water after use, preventing the spread of germs.

Pathogen-free mixers and taps

The SPORTING 2 is guaranteed to be delivered free from pathogenic bacteria.

For more information see page 4.

DESIGN

DELABIE's products, known for their endurance and reliability, have a timeless design. The diversity of the product range fits in perfectly with any commercial installation.

Aesthetic products are subject to less vandalism as they are better respected. The smooth shape of the showers reduces the build-up of dirt and facilitates cleaning. Easy but secure access to the control mechanisms provides easy maintenance.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

The SPORTING 2 does not need to be recessed and responds to the need for a vandal-resistant product in public and commercial environments whilst preserving user comfort. Equally, on renovation projects, the panels can hide any traces of the old installation.

Modularity

The SPORTING 2 panel offers two types of supply: from the top or from behind. Simply remove the cap and change the orientation of the connector.

Comfort

The SPORTING 2 features soft-touch operation. It allows all users (children, the elderly or people with reduced mobility) to use the shower. For their comfort, the panel is supplied directly with mixed water. The specific design of the nozzle delivers a comfortable spray which washes effectively.

Resistant to intensive use and vandalism

The SPORTING 2 has been specifically designed to withstand intensive use and vandalism.

The panel is made from aluminium, a durable and resistant material. The panel fixings are reinforced and concealed. Streamlined designs and the slimline structure discourage attempts at vandalism.

The ligature-resistant shower nozzle withstands any attempts at unwanted removal or self-harm.

Superior endurance

The time flow mechanism in the SPORTING 2 is hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over 500,000 operations. There is no metal-metal or metal-plastic friction, ensuring reliable and durable timing.

Minimal servicing

Shower head nozzles and mechanisms are made from scale-resistant materials (Hostaform®).

The panel can be serviced without having to remove it. Simply remove the cap, with the tool supplied, to clean the filter protecting the mechanism.

To facilitate the replacement of a cartridge or for frost protection, the removable stopcock is integrated directly on the panel.

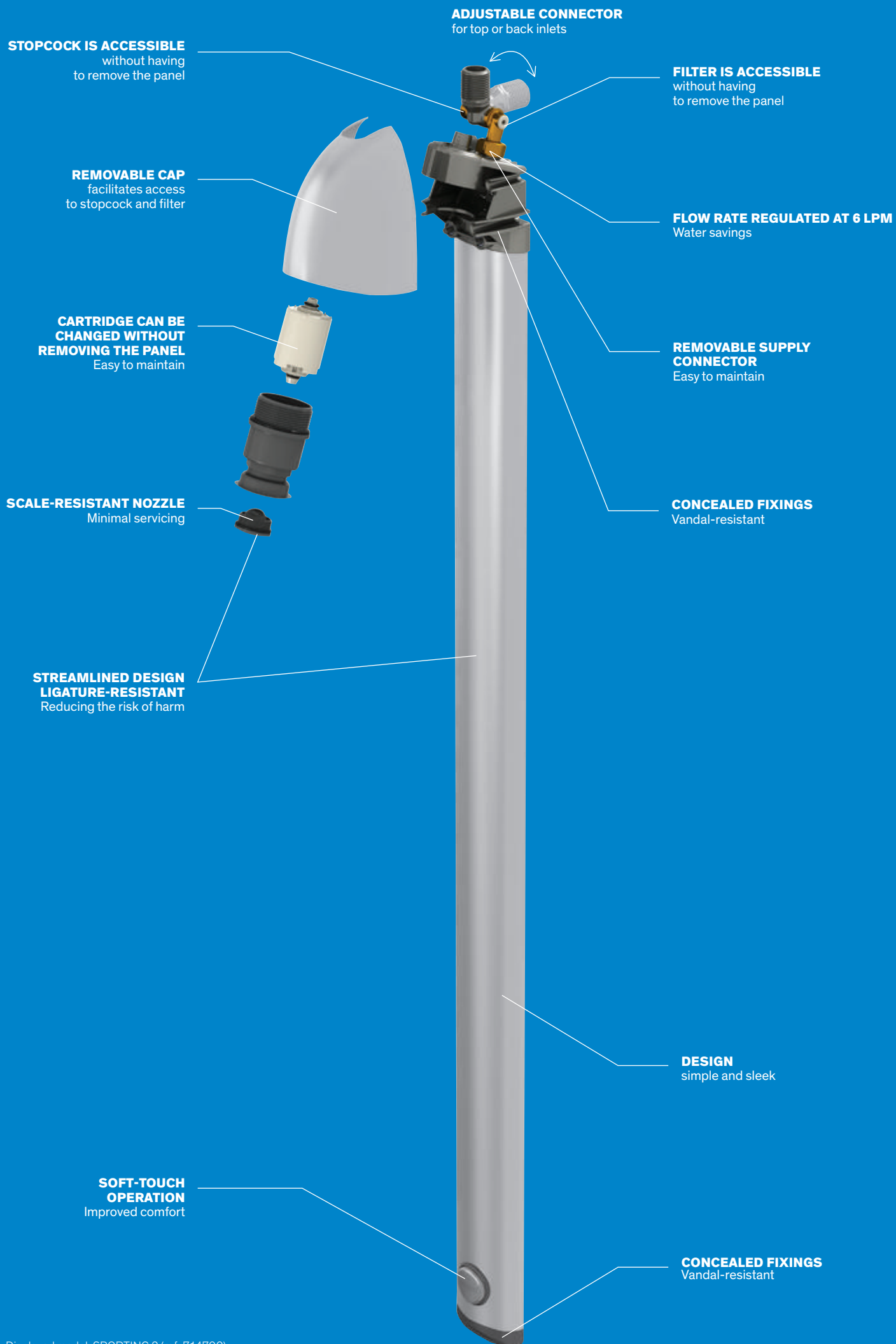
Easy to maintain

The spare parts are standardised to ensure quick and easy replacement by maintenance staff. The cartridge can be changed and accessed from the front, without having to remove the panel.

Easy to install

The shower panels are delivered ready to mount and are quick to install.

10-year warranty against any manufacturing defects.







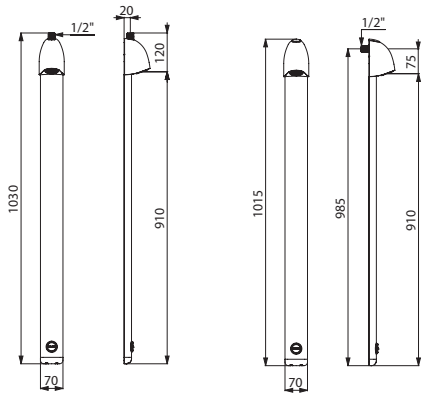
- **Water savings:** 80%
- **Vandal-resistant:** aluminium shower panel, streamlined design, concealed fixings, ligature-resistant shower head
- **Maintenance:** made easy thanks to accessible stopcock and filter
- **Comfort:** soft-touch operation, mixed water supply

SPORTING 2

Time flow shower panel



- Anodised aluminium and chrome-plated satin finish.
- **Adjustable connector for top or back inlets.**
- Slimline structure with concealed fixings.
- **Soft-touch operation.**
- Automatic mechanical flush with every use.
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Tamperproof, scale-resistant fixed shower head with automatic flow rate regulation.
- Adjustable spray.
- Accessible filter and non-return valve.
- **Integrated stopcock.**
- M $\frac{1}{2}$ " connection for mixed water supply.



714700

SPORTING 2 shower panel	
SPORTING 2	714700
SPORTING 2 with GR grid	714700GR
We recommend installing a TMV (see page 129)	
Options: soap dish (see page 123) and BIOFIL filter (see page 125).	



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Opens/closes automatically, with no manual contact

DELABIE's electronic shower controls are operated by active infrared detection.

Depending on the programme, flow opens/shuts off when the detector senses hands (ON/OFF mode) or by detecting a user (automatic mode).

In this instance, it shuts off automatically **when the user leaves the detection zone**.

No manual contact prevents the spread of germs.

Anti-bacterial duty flush programme

If a shower is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during holidays, etc.).

DELABIE's electronic shower controls have a duty flush programme.

An automatic flush takes place for approximately 60 seconds every 24 hours after the last use (programmable on some models).

Scale-resistant shower head

The nozzle in the shower head is made from **Hostaform®**, a material that is highly scale-resistant (build-up of scale is 10 times slower).

The design, with no grid, allows the shower head to **drain the water after use, preventing the spread of germs**.

80% WATER AND ENERGY SAVINGS

Water savings

Compared to conventional showers, DELABIE's electronic shower controls can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

• Automatic shut-off and split delivery

The shower can be interrupted at any moment by the user. If the user forgets, **a security shut-off** stops the flow after 60 seconds.

This removes the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

• Flow rate 6 lpm

DELABIE shower controls are regulated at **6 lpm**.

The flow rate remains constant regardless of pressure variations in the system.

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Independent electronic unit, 6V battery:

SECURITHERM waterproof recessed models

This **waterproof recessing housing** prevents water ingress behind the partition that could leak onto the tiles.

• Temperature selection and stability

The user can choose their desired water temperature by adjusting the single control, which is stable regardless of pressure variations in the system.

• Anti-scalding safety

SECURITHERM thermostatic technology ensures that the hot water supply **shuts off immediately** if the cold water supply fails.

Independent electronic control unit,

230/12V mains supply:

TEMPOMATIC recessed or cross wall models

The mains unit provides the option to adjust the detection distance, change the operating mode (ON/OFF or automatic) and change the duty flush settings. The electronic control units are waterproof (IP65) with integrated LEDs to help with diagnostic checks.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

DELABIE's controls are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The models are available in **recessed** or **cross wall** versions.

To prevent abuse and waste, the **security shut-off** system prevents the valve from being blocked in continuous flow.

Superior endurance

The mechanisms in electronic controls are hard-wearing. The solenoid valve has a lifespan of over **500,000 operations**.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

Comfortable spray

The specially designed nozzle delivers a **comfortable spray** which provides **effective** coverage and a reduced noise level. The spray can be **adjusted**.

10-year warranty against any manufacturing defects.



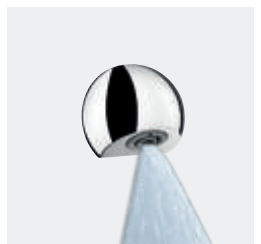
Complies with European directives
CEM 2014/30/UE and BT 2014/35/UE.



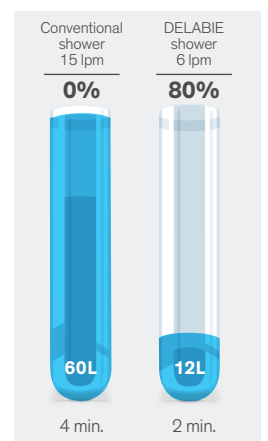
Hygiene and controlling bacterial proliferation



Water nozzle with no grid



Comfortable spray



Water savings per use



Vandal-resistant



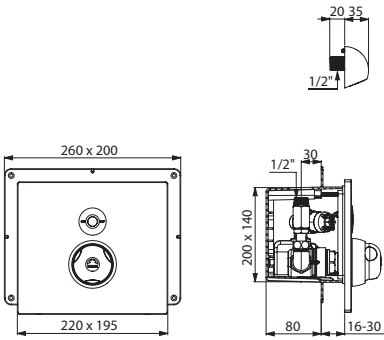
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush, scale-resistant shower head
- **Comfort:** temperature selection directly on the mixer, thermostatic control, voluntary or automatic shut-off
- **Anti-scalding safety:** automatic shut-off if cold water supply fails

SECURITHERM

Thermostatic electronic shower kit in a waterproof housing



- Tamperproof satin finish stainless steel wall plate 195 × 220mm.
- **Waterproof recessing housing.**
- 16 - 30mm allowance for different wall finishes.
- **SECURITHERM thermostatic mixer 3/4".**
- **Anti-scalding safety:** automatic shut-off if cold or hot water supply fails.
- Adjustable temperature control from 32 - 40°C, pre-set at 38°C.
- **Battery-operated with 223 6V Lithium battery.**
- Infrared presence detection.
Shower starts when hand is 4cm from the sensor.
- Shuts off voluntarily or automatically after ~60 seconds.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings, stopcocks M1/2".
- Integrated non-return valves and filters.
- Chrome-plated Bayblend® control knob.



792BOX + 792459

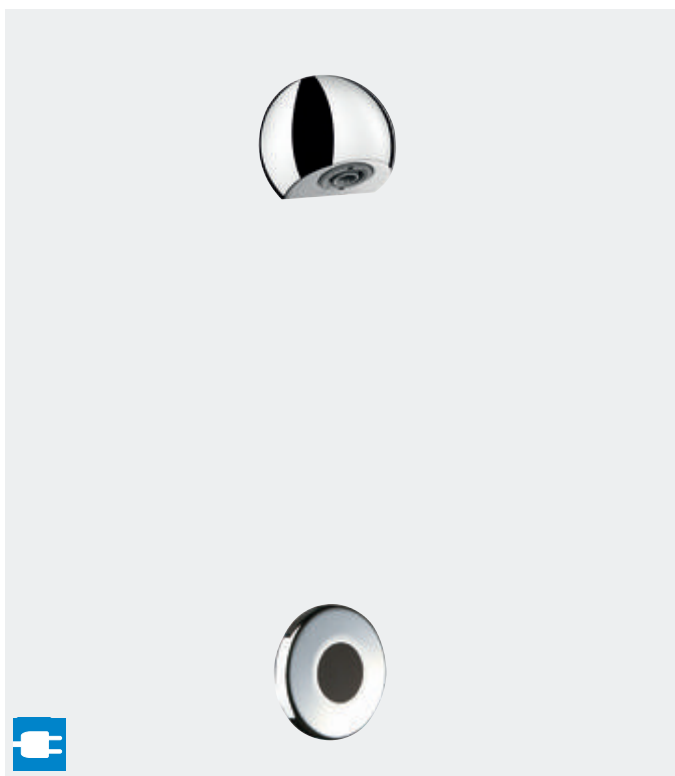
SECURITHERM electronic shower in waterproof housing	
Shower kit with ROUND shower head (flow rate 6 lpm)	792BOX + 792459
Shower mixer without shower head (flow rate 9 lpm)	792BOX + 792452
We recommend installing a floor trap (see page 119)	



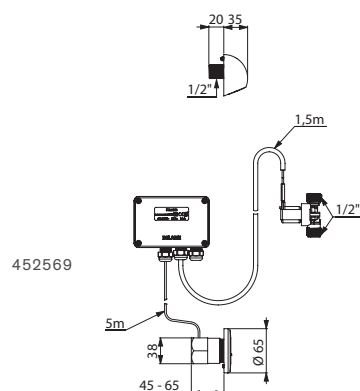
- **Water savings:** 80%
- **Hygiene:** no manual contact, anti-bacterial duty flush, scale-resistant shower head
- **Comfort:** adjustable time flow, two activation modes
- **Vandal-resistant:** chrome-plated solid brass, recessed or cross wall installation

TEMPOMATIC

Recessed electronic shower kit



- **TEMPOMATIC electronic valve** for mixed water supply.
- For recessed installation.
- Power supply by electronic control unit with solenoid valve 1/2".
- 230/12V transformer.
- **2 operation modes:**
 - Automatic activation via presence detection.
 - Voluntary ON/OFF activation by passing hand in front of sensor ~10cm.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Adjustable time flow** 30 - 60 seconds.
- **Flow rate 6 lpm** at 3 bar with chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.



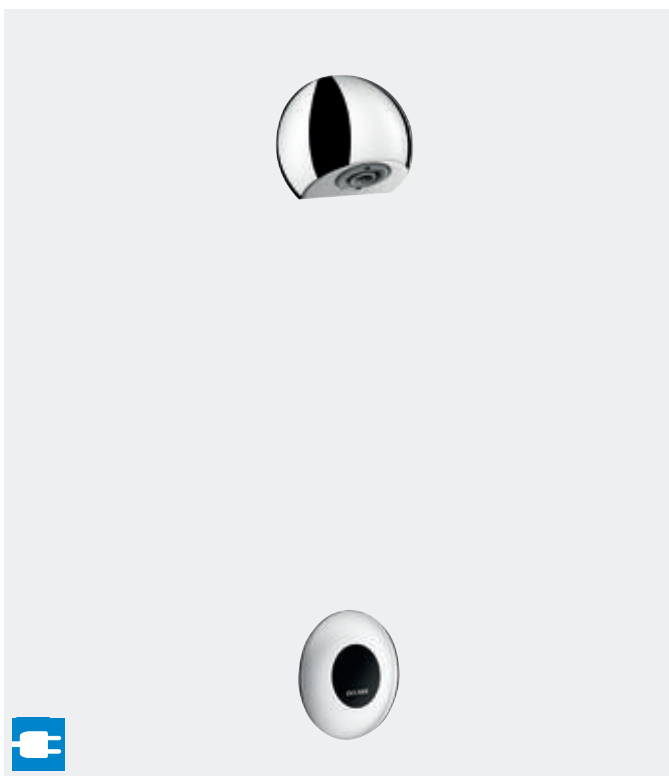
TEMPOMATIC recessed shower

Shower kit with ROUND shower head	452569
Shower valve without shower head	452565

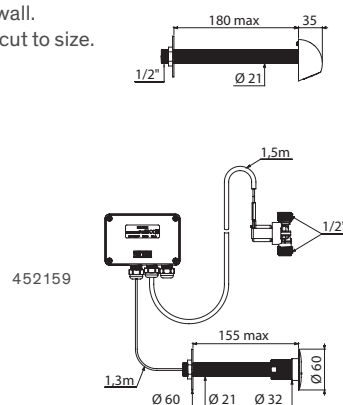
We recommend installing a TMV (see page 129) and a floor trap (see page 119)

TEMPOMATIC

Cross wall electronic shower kit



- **TEMPOMATIC electronic valve** for mixed water supply.
- For walls ≤ 155mm.
- Power supply by electronic control unit with solenoid valve 1/2".
- 230/12V transformer.
- **2 operation modes:**
 - Automatic activation via presence detection.
 - Voluntary ON/OFF activation by passing hand in front of sensor ~10cm.
- **Duty flush** (~60 seconds every 24 hours after the last use).
- **Adjustable time flow** 30 - 60 seconds.
- **Flow rate 6 lpm** at 3 bar with chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Wall plate flush to the wall.
- Threaded rods can be cut to size.



TEMPOMATIC cross wall shower

Shower kit with ROUND shower head	452159
Shower valve without shower head	452150

We recommend installing a TMV (see page 129) and a floor trap (see page 119)



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic timed shut-off, with no manual contact
DELABIE's time flow shower controls shut off automatically once the push-button has been pressed and the valve has opened.
No manual contact after washing prevents the spread of germs by hand.

Scale-resistant shower head
The nozzle in the shower head is made from **Hostaform®**, a material that is highly scale-resistant (build-up of scale is 10 times slower). The design, with no grid, allows the shower head to **drain the water after use, preventing the spread of germs.**

Pathogen-free mixers and taps
DELABIE guarantees that its shower controls will be delivered free from pathogenic bacteria.
For more information see page 4.

DESIGN

Commercial environments and design
DELABIE's products, known for their endurance and reliability, have a **timeless design**. The diversity of the product range fits in perfectly with any commercial installation. In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings. In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints
Aesthetic products are subject to less vandalism as they are better respected. The **smooth shape** of the showers reduces the build-up of dirt and facilitates cleaning. Easy but secure access to control mechanisms provides easy maintenance.

80% WATER AND ENERGY SAVINGS

- Water savings**
Compared to conventional showers, DELABIE's time flow shower controls can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.
- **Automatic shut-off and split delivery**
The time flow is automatic and shuts off after approximately 30 seconds of flow.
DELABIE's time flow controls remove the risk of waste through negligence. The time flow is reduced to the necessary minimum (wetting, rinsing).
 - **Flow rate 6 lpm**
DELABIE's shower valves are regulated at **6 lpm**. **The flow rate remains constant** regardless of pressure variations in the system.

Energy savings
DELABIE's time flow shower controls operate completely autonomously with no need for an electrical supply. **They do not consume any power at all.** The significant **hot water savings** provided by DELABIE's shower controls also result in energy savings.

Ecological
DELABIE's shower valves are made from materials that are **100% recyclable** which ensures that the products receive the best ecological assessment in their category.

Environmental labels
The water and energy saving performance of DELABIE's shower controls means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM, HQE or ESTIDAMA.
For more information see page 8.



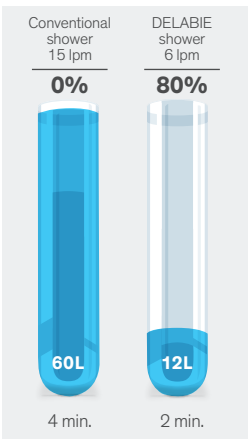
Hygiene and controlling bacterial proliferation



Optimised time flow









Water nozzle with no grid



Water savings per use

COMPARISONS OF WATER CONSUMPTION

Comparison between a conventional shower and a DELABIE time flow shower

Flow rate	Wetting	Soaping	Rinsing	Water consumption
15L	 1 min.	 2 min.	 1 min.	60L 4 min.
6L	 2 x 30 sec.		 2 x 30 sec.	12L 2 min.



TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user. DELABIE has developed specific products to respond to a variety of challenges (improving comfort, avoiding waste, user safety, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow controls with **soft-touch operation**. Soft technology allows all users (children, the elderly or people with reduced mobility) to use the controls with no effort required. **TEMPOSOFT** and **TEMPOMIX 3** models are fitted with a priming system that requires half the effort to operate ensuring user comfort.

Temperature selection and stability

Mixer versions (TEMPOMIX) of DELABIE's shower controls are available. They offer the user additional comfort by allowing them to choose the water temperature. Temperature adjustment is done via the single control.

SECURITHERM thermostatic controls provide additional comfort by regulating water temperature even with variations in pressure.

Anti-scalding safety

- **Maximum temperature limiter**
DELABIE's mixers are delivered with a **pre-set maximum temperature limiter** that can be adjusted during installation.
The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.
- **Anti-scalding safety**
SECURITHERM thermostatic technology ensures that the hot water supply **shuts off immediately** if the cold water supply fails.

Comfortable spray

The specially designed nozzle delivers a **comfortable spray** which provides **effective** coverage and a reduced noise level. The spray can be **adjusted**.

Waterproof recessing

Some shower controls have a waterproof recessing housing (TEMPOMIX, TEMPOSTOP and SECURITHERM models). TEMPOMIX 3 features **DELABIE's newest generation of recessing housings**. This housing is **100% waterproof** and can be installed on different fixtures (rails, solid walls, panels) and can be adapted to fit different wall thicknesses from 10 - 120mm. The collar, with integrated seal, ensures a waterproof seal.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Resistant to intensive use and vandalism

DELABIE's time flow shower controls are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary. The controls are made from chrome-plated solid brass, and fitted with **shock-resistant** mechanisms. The **fixings are reinforced**. **Streamlined designs** discourage attempts at vandalism.

Adjustable installations

The controls are available as exposed, recessed or cross wall models for the secure sector for example. These models make access to the mechanisms impossible for the user.

Superior endurance

The time flow mechanisms in DELABIE shower controls are hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**. There is no metal-metal or metal-plastic friction, ensuring **reliable and durable timing**. DELABIE's shower controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Minimal servicing

Shower head nozzles and mechanisms are made from **scale-resistant materials** (Hostaform®) and do not require de-scaling. The self-cleaning mechanisms are protected by filters.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff. The whole of the system is integrated within **an interchangeable cartridge which can be accessed from the front, without having to remove the valve**.

10-year warranty against any manufacturing defects.

Technical characteristics

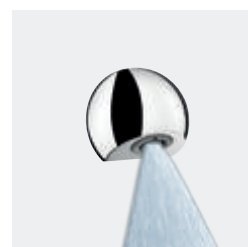
Operating pressure	1 - 5 bar, 3 bar recommended
Pressure differential CW / HW	$\Delta P < 1$ bar
Temperature limiter	Can be adjusted
HW supply	55°C max
Time flow	30 seconds



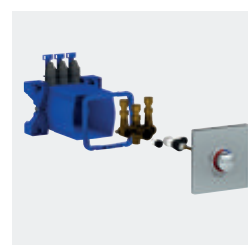
Soft technology:
soft-touch operation



Anti-scalding safety



Comfortable spray



Waterproof recessing housing



Vandal-resistant

TEMPOMIX 3 RECESSED: 100% WATERPROOF RECESSED HOUSING, MODULAR AND ADAPTABLE

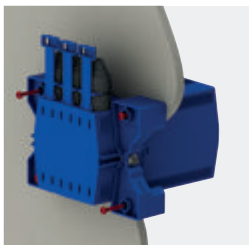
One product for all types of installation (adjustable fins)



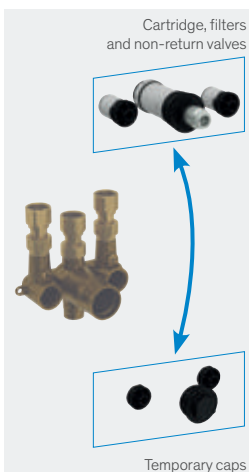
Plasterboard rails



Solid walls



Panels



Secure system flush

100% waterproof

The **integral seal** at the back of the collar (see *image below*) creates a perfect seal. Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and collar. DELABIE has developed a housing that can be cut to size in front of the collar, which ensures a **perfect seal**.

Modular

There are multiple installation options for the housing. The same housing can be installed:

- On **plasterboard rails** (via the sides)
- On **solid walls** (from the front)
- On **panels** (from the rear).

Adaptable

The cut-to-size housing is the only product available that **can adjust to thick walls as well as thin partition walls**. It can be installed on partition walls up to 120mm thick, bricks or breeze blocks for areas that are exposed to frequent vandalism.

Quick and easy to install

The TEMPOMIX 3 can be connected to standard piping or "pipe-in-pipe". The hydraulic connection is made from the outside of the housing.

During installation, the time flow cartridge, filters and non-return valves can be replaced by temporary caps to **flush the system safely**, without damaging the technical elements.

The housing has notches. Once the wall finish is applied, the **collar** simply **clips** onto the housing (patented system).

Thanks to the integral seal in the collar, the housing is completely waterproof **and the installer does not need to apply anything else** (silicone, etc.). This collar has a dual function, providing a waterproof seal and as a bracket for fixing the wall plate. Any condensation can drain away via the wall plate. The wall remains intact.

Water savings

Shut-off is **automatic after ~30 seconds** of flow. DELABIE's controls remove any risk of waste through negligence.

The flow time is reduced to the necessary minimum (wetting, rinsing).

The **flow rate is regulated at 6 lpm** regardless of pressure variations in the system.

Soft-touch operation

The Soft technology allows all users (children, the elderly or people with reduced mobility) to use the controls with no effort required. The TEMPOMIX 3 is fitted with a priming system that **requires half the effort to operate** ensuring user comfort.

Temperature limitation and selection

With the TEMPOMIX 3, users can choose the temperature themselves. The selection is made via the **single control push-button**.

The mixer is supplied with a pre-set **maximum temperature limiter** which can be adjusted during installation. The user cannot increase the temperature above the maximum set temperature, reducing any risk of scalding.

Resistant to intensive use and vandalism

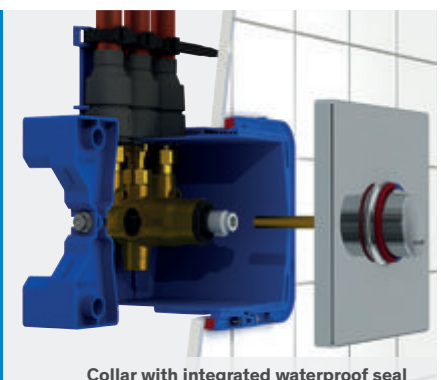
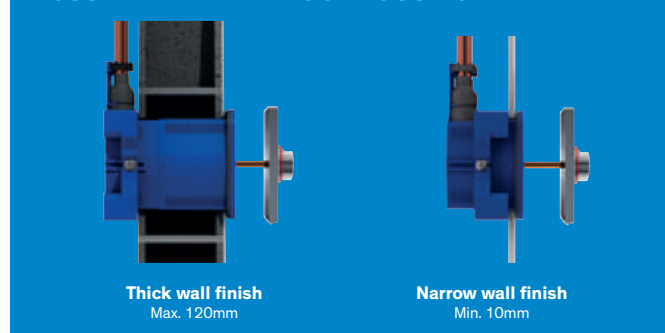
The mixer bodies are made from **solid brass**, fitted with shock-resistant mechanisms. The **chrome-plated metal** plate withstands intensive use. Fixings are concealed and streamlined designs discourage attempts at vandalism.

Minimal servicing and simple to maintain

The technical elements are **accessible from the front with no need to remove** the housing. Simply remove the wall plate to gain access. Maintenance is made easy thanks to the **pre-assembled spare parts**.

The **valve can be disconnected and removed from the inside**, without removing the housing, for in-depth maintenance or protection from frost.

ADJUSTABLE WATERPROOF HOUSING



**STREAMLINED DESIGN
LIGATURE-RESISTANT**
Reducing the risk of harm



FLOW RATE REGULATED AT 6 LPM
Water savings

SCALE-RESISTANT SHOWER HEAD
Minimal servicing

**WATERPROOF HYDRAULIC
CONNECTION**
Standard pipe or "pipe-in-pipe"

**FINS CAN BE ADJUSTED ACCORDING
TO INSTALLATION TYPE**
Easy to install

**NOTCHES TO CLIP
AND FIX COLLAR ONTO** (patented)
Easy to install

**MIXER CAN BE CONNECTED
FROM THE OUTSIDE**
Easy to install

**MIXER CAN BE DISCONNECTED
FROM THE INSIDE**
Simple to maintain

INTEGRATED STOPCOCKS
Simple to maintain

**HOUSING CAN BE
CUT TO SIZE**

Adjusts to fit wall finishes
up to 120mm

**ACCESSIBLE CARTRIDGE, FILTERS
AND NON-RETURN VALVES**
Simple to maintain

**SOFT-TOUCH OPERATION
AND TEMPERATURE SELECTION**
Improved comfort

**COLLAR
WITH INTEGRATED SEAL**
Completely waterproof





TEMPOMIX 3 time flow shower kit **794BOX1 + 794219** - Floor trap **683001** - Robe Hook **301**
TEMPOMIX 3 time flow basin mixer **794000** - UNO countertop washbasin **121820**



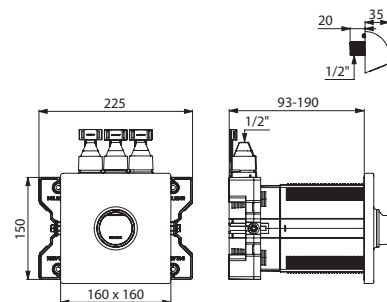
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** recessed installation, concealed fixings
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOMIX 3 recessed

Recessed time flow shower mixer with soft-touch operation



- **Tamperproof chrome-plated metal wall plate 160 × 160mm.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcocks and flow rate adjustment, filters, non-return valves and cartridge are all integrated and accessible from the front.
 - TEMPOMIX 3 single control mixer F1/2".
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Temperature control and operation via the push-button.**
- Maximum temperature limiter (can be adjusted by the installer).
- **Time flow ~30 seconds**, can be adjusted.
- **Soft-touch operation.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.



794BOX1 + 794219

TEMPOMIX 3 shower valve in waterproof recessing housing	
Shower kit with ROUND shower head (flow rate 6 lpm)	794BOX1 + 794219
Shower mixer without shower head (flow rate 9 lpm)	794BOX1 + 794218

We recommend installing a floor trap (see page 119)





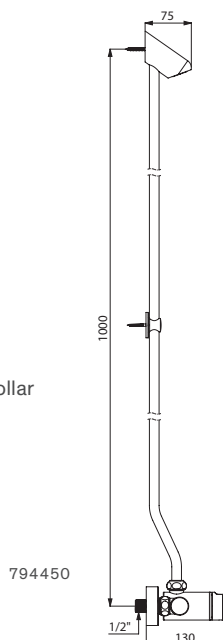
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass, streamlined design
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation

TEMPOMIX 3

Exposed time flow shower kit



- **TEMPOMIX 3 single control mixer 3/4".**
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow pre-set at ~30 seconds,** can be adjusted from 20 - 30 seconds.
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **TONIC JET shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Reinforced shower column Ø 16mm and collar (mounting bracket and screws included).
- Offset connectors M1/2", for centres 130 - 170mm.



794450

TEMPOMIX 3 exposed shower kit

794450

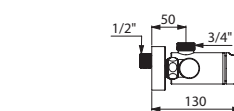
Options: STOP/CHECK connectors (see page 122)
Rain effect grid (add "GR" after the reference)

TEMPOMIX 3

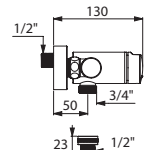
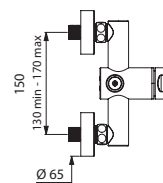
Exposed time flow mixer



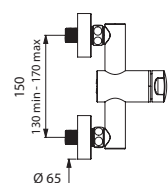
- **TEMPOMIX 3 single control mixer 3/4".**
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow pre-set at ~30 seconds,** can be adjusted from 20 - 30 seconds.
- **Flow rate 9 lpm** at 3 bar, can be adjusted from 6 - 12 lpm.
- Chrome-plated solid brass.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Offset connectors M1/2", for centres 130 - 170mm.



794400



794470



TEMPOMIX 3 exposed mixer

Top outlet M3/4"	794400
Bottom outlet M3/4" with M1/2" connector	794470

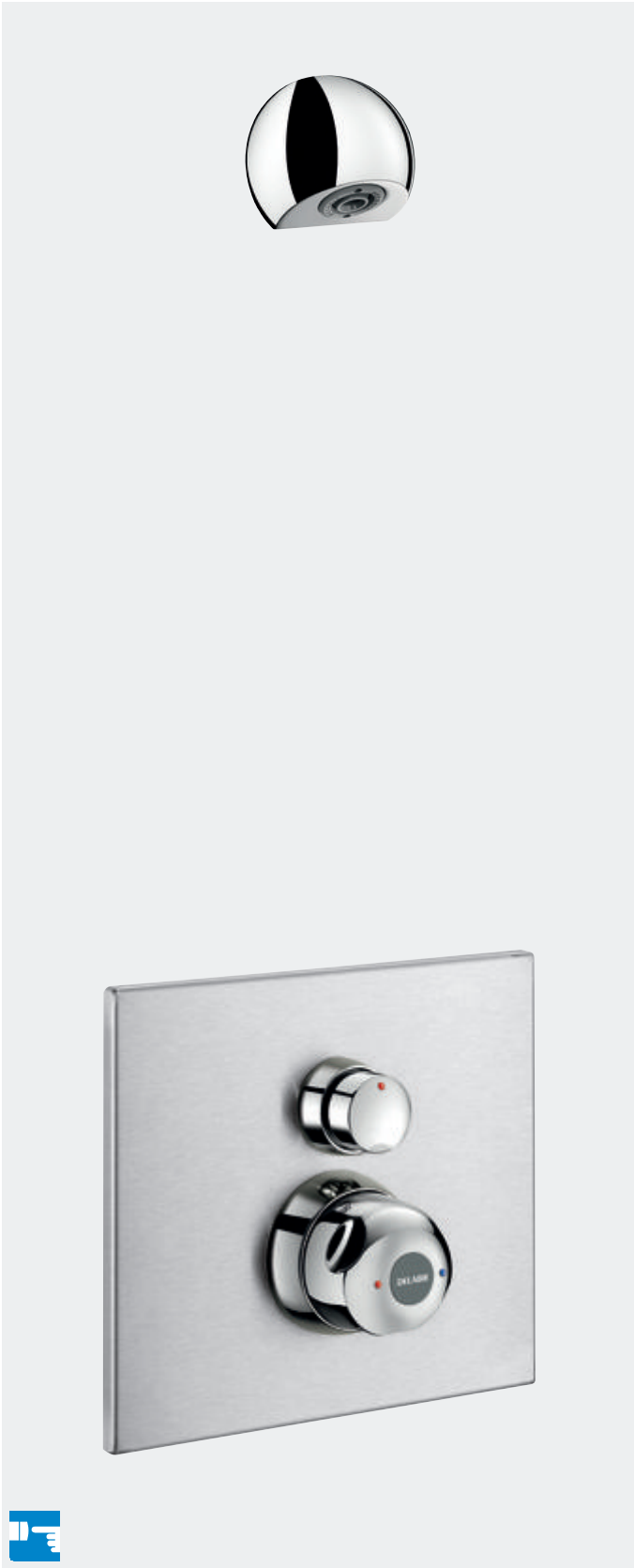
Options: STOP/CHECK connectors (see page 122)
Shower heads (see page 120)



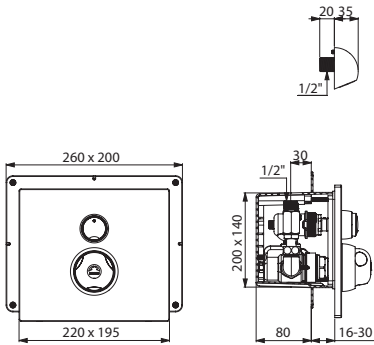
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the mixer, thermostatic control, soft-touch operation
- **Anti-scalding safety:** automatic shut-off if cold water supply fails
- **Vandal-resistant:** ligature-resistant collar, recessed installation, concealed fixings

SECURITHERM

Thermostatic time flow shower kit in a waterproof housing



- Tamperproof satin finish stainless steel wall plate 195 × 220mm.
- **Waterproof recessing housing.**
- 16 - 30mm allowance for different wall finishes.
- **SECURITHERM thermostatic mixer ¾".**
- **Anti-scalding safety:** automatic shut-off if cold or hot water supply fails.
- Adjustable temperature control from 32 - 40°C, pre-set at 38°C.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings, stopcocks M½".
- Integrated filters and non-return valves.
- Chrome-plated Bayblend® control knob.



792BOX + 792219

SECURITHERM time flow shower in waterproof housing	
Shower kit with ROUND shower head (flow rate 6 lpm)	792BOX + 792219
Shower mixer without shower head (flow rate 9 lpm)	792BOX + 792218
We recommend installing a floor trap (see page 119)	



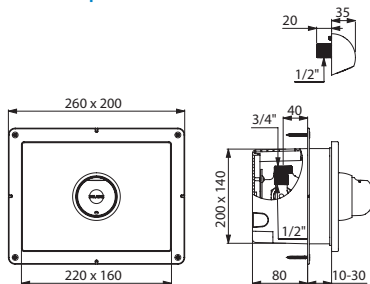
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the single control mixer, soft-touch operation
- **Vandal-resistant:** chrome-plated ligature-resistant collar, recessed installation, concealed fixings

TEMPOMIX

Time flow shower kit in a waterproof housing



- Tamperproof bright polished stainless steel wall plate 160 × 220mm.
- **Waterproof recessing housing.**
- 10 - 30mm allowance for different wall finishes.
- **TEMPOMIX single control mixer 3/4".**
- **Ligature-resistant collar.**
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Time flow ~30 seconds, soft-touch operation.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Concealed fixings, stopcocks M1/2".
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**



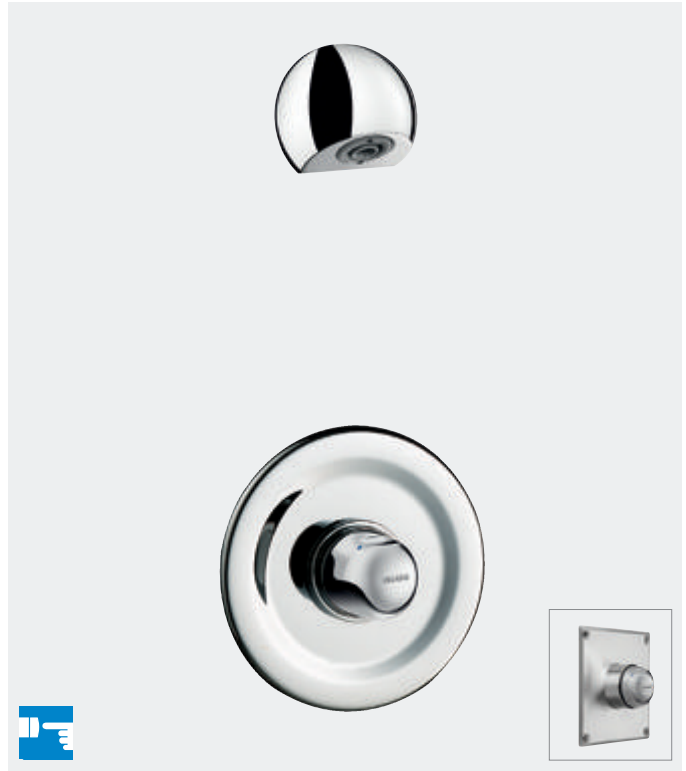
790BOX + 790219

TEMPOMIX shower valve in waterproof housing

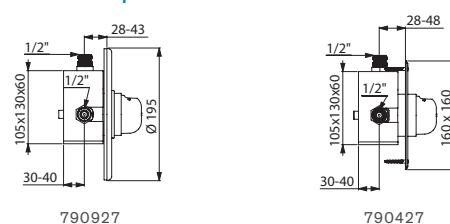
Shower kit with ROUND shower head (flow rate 6 lpm)	790BOX + 790219
Shower mixer without shower head (flow rate 12 lpm)	790BOX + 790218

TEMPOMIX

Time flow shower kit in a standard housing



- Chrome-plated metal or stainless steel wall plate.
- **Standard recessing housing.**
- Recessing depth can be adjusted.
- **TEMPOMIX single control mixer 3/4".**
- **Ligature-resistant collar.**
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Time flow ~30 seconds, soft-touch operation.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- M1/2" connections for copper tubes.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**



790927

790427

TEMPOMIX shower in standard housing

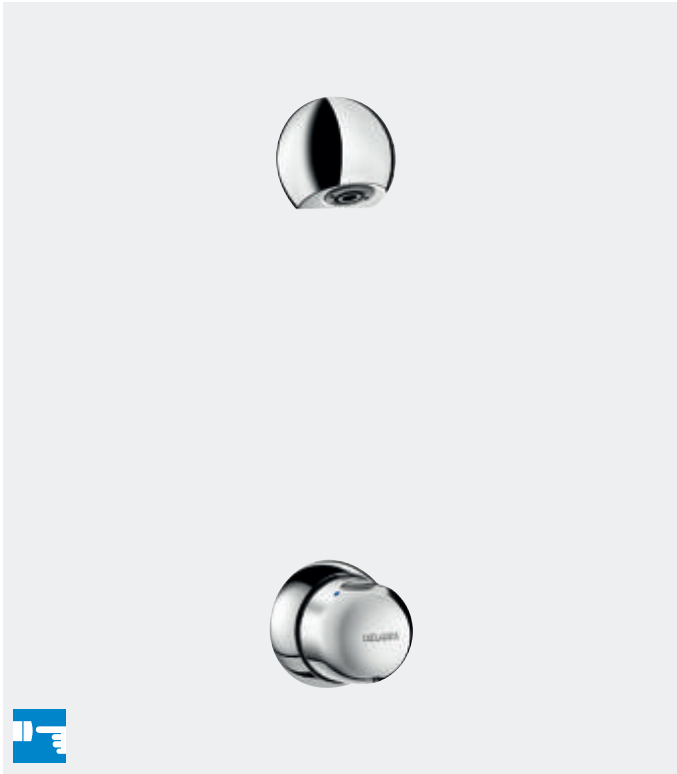
Shower kits (flow rate 6 lpm)	
With wall plate Ø 195mm and ROUND shower head	790909
With st. steel wall plate 160x160, ROUND shower head	790709
Shower mixer (flow rate 12 lpm, adjustable)	
With wall plate Ø 195mm for Ø 14mm	790927
With wall plate Ø 195mm for Ø 15mm	790925
With stainless steel wall plate 160 × 160 for Ø 14mm	790427
With stainless steel wall plate 160 × 160 for Ø 15mm	790425



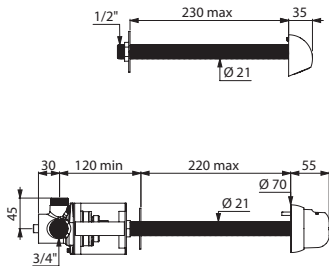
- **Water savings:** 80%
- **Comfort:** temperature selection directly via the mixer, soft-touch operation
- **Vandal-resistant:** chrome-plated solid brass, cross wall model

TEMPOMIX

Cross wall time flow shower kit



- **TEMPOMIX 3/4" single control mixer.**
- For walls $\leq 220\text{mm}$.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Ligature-resistant collar.**
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Solid brass valve body and shower head.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Threaded rods can be cut to size.



796209

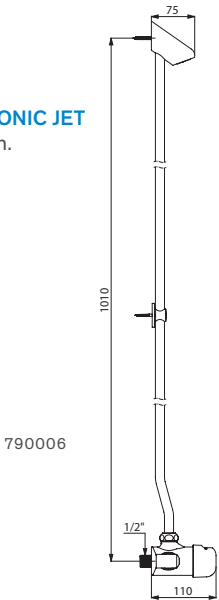
TEMPOMIX cross wall shower kit	796209
Other cross wall lengths available on request (minimum order of 200 units)	

TEMPOMIX

Exposed time flow shower kit



- **TEMPOMIX 3/4" single control mixer.**
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **TONIC JET shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Reinforced shower column $\varnothing 16\text{mm}$ and collar (mounting bracket and screws supplied).
- Available with or without $M\frac{1}{2}$ " unions.



790006

TEMPOMIX exposed shower kit	
With 2 elbow stopcocks, 150mm centres	790006
With 2 elbow unions, 150mm centres	790008
Without supply unions $M\frac{3}{4}$ " 90mm centres	790001
Option: rain-effect grid (add "GR" after the reference)	



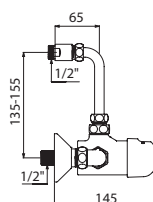
- **Water savings**
- **Comfort:** temperature selection directly via the mixer, soft-touch operation
- **Vandal-resistant:** chrome-plated solid brass

TEMPOMIX

Exposed time flow mixer



- **TEMPOMIX 3/4" single control mixer.**
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Chrome-plated solid brass.
- Integrated non-return valves and filters.
- **Chrome-plated metal push-button.**
- With 2 offset M1/2" unions for 110 - 194mm centres and top inlet M1/2" can be adjusted from 135 - 155mm.



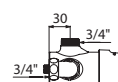
790875

TEMPOMIX

Exposed time flow mixer



- **TEMPOMIX 3/4" single control mixer.**
- For wall-mounted, exposed installation.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Chrome-plated solid brass.
- Integrated non-return valves and filters.
- **Chrome-plated metal push-button.**
- Available with or without elbow unions.



790874



790000

TEMPOMIX exposed mixer	
With elbow unions 150mm centres	790874
With in-line unions 90mm centres	790000
For panels 1 - 10mm	790970
Reinforced wall plate Ø 80mm. <i>Recommended for installing on panels or dry walls</i>	824800
Option: shower heads (see page 120)	

TEMPOMIX exposed mixer with offset unions	790875
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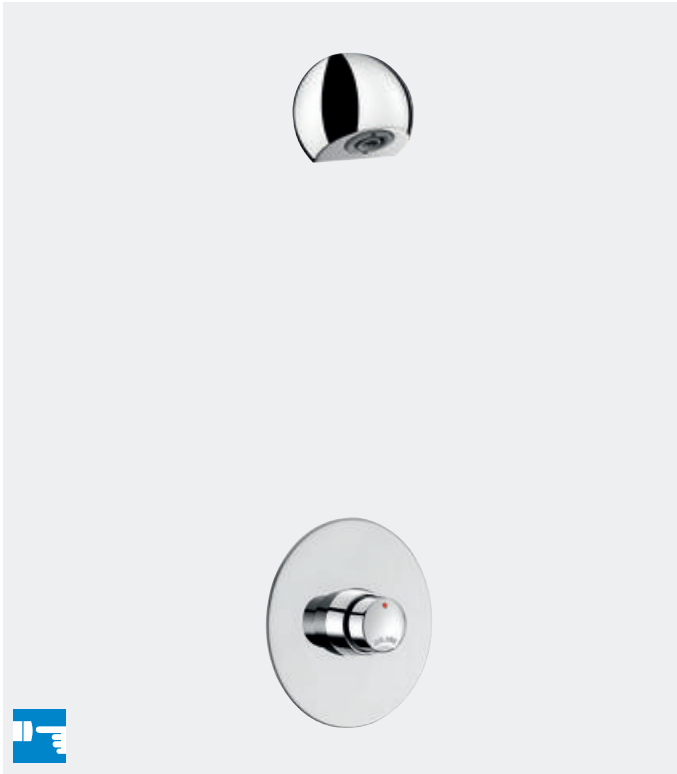
Option: shower heads (see page 120)



- **Water savings:** 80%
- **Comfort:** soft-touch operation

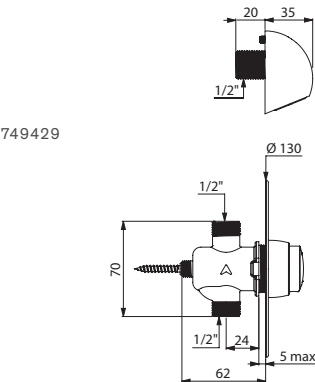
TEMPOSOF 2

Recessed time flow shower kit



- **TEMPOSOF 2 M¹/₂" time flow valve** for mixed water supply.
- For recessed installation.
- Bright polished 304 stainless steel wall plate Ø 130mm.
- Spacing can be adjusted from 1 – 5mm.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Solid brass body and shower head.

*This model does not have a waterproof recessing housing.
The installer must ensure that the recessing area is waterproof
and any leaks or condensation can drain away (see installation guide).*



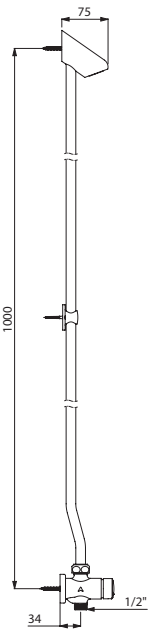
TEMPOSOF 2 recessed shower kit	749429
We recommend installing a TMV (see page 129) and a floor trap (see page 119)	

TEMPOSOF 2

Exposed time flow shower kit



- **TEMPOSOF 2 M¹/₂" time flow valve** for mixed water supply from beneath.
- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **TONIC JET shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Reinforced shower column Ø 16mm and collar (mounting bracket and screws supplied).



TEMPOSOF 2 exposed shower kit	
TEMPOSOF 2 exposed	747801
In-line stopcock MF ¹ / ₂ " (see page 122)	825215
Elbow stopcock MF ¹ / ₂ " (see page 122)	836015
We recommend installing a TMV (see page 129) and a floor trap (see page 119) Option: rain-effect grid (add "GR" after the reference)	



- **Water savings:** 80%
- **Comfort:** soft-touch operation

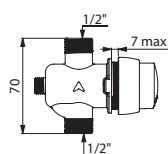
TEMPOSOFT 2

Time flow valve for panels



- **TEMPOSOFT 2 M $\frac{1}{2}$ " time flow valve** for mixed water supply.
- **For panels or dry walls 7mm max.**
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate pre-set at 9 lpm** at 3 bar, can be adjusted.
- Solid brass body.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749870

TEMPOSOFT 2 valve for panels **749870**

We recommend installing a TMV (see page 129) and a floor trap (see page 119)

Option: shower heads (see page 120)

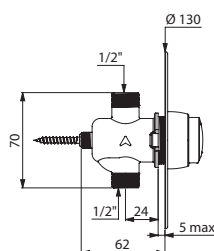
TEMPOSOFT 2

Recessed time flow valve



- **TEMPOSOFT 2 M $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For recessed installation.
- Bright polished 304 stainless steel wall plate Ø 130mm.
- Spacing can be adjusted from 1 – 5mm.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate pre-set at 9 lpm** at 3 bar, can be adjusted.
- Solid brass body.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749428

TEMPOSOFT 2 recessed valve **749428**

We recommend installing a TMV (see page 129) and a floor trap (see page 119)

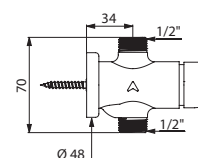
Option: shower heads (see page 120)

TEMPOSOFT 2

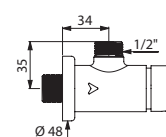
Exposed time flow valve



- **TEMPOSOFT 2 M $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For wall-mounted exposed installation.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate pre-set at 9 lpm** at 3 bar, can be adjusted.
- Chrome-plated solid brass body.



747800



748800

TEMPOSOFT 2 exposed valve

Straight for in-line inlets	747800
Angled for recessed inlets	748800

We recommend installing a TMV (see page 129) and a floor trap (see page 119)

Option: shower heads (see page 120)



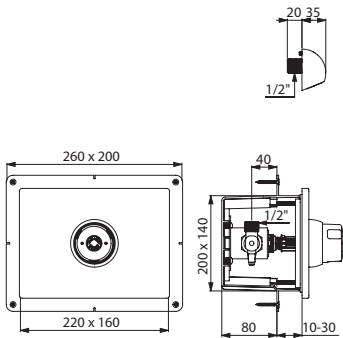
- **Water savings**
- **Vandal-resistant:** ligature-resistant collar, recessed installation, concealed fixings
- **Comfort:** soft-touch operation

TEMPOSTOP

Time flow shower kit in a waterproof housing



- Tamperproof bright polished stainless steel wall plate 160 × 220mm.
- **Waterproof recessing housing.**
- 10 - 30mm allowance for different wall finishes.
- **TEMPOSTOP 3/4" time flow valve** for mixed water supply.
- **Ligature-resistant collar.**
- **Time flow ~30 seconds, soft-touch operation.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Solid brass body.
- Concealed fixings.
- Stopcock M1/2" with filter.
- Chrome-plated Bayblend® push-button.



749BOX + 749239

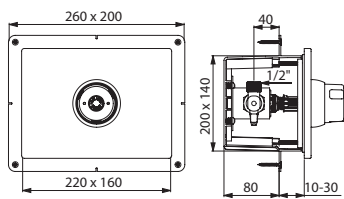
TEMPOSTOP shower kit in waterproof housing	749BOX + 749239
We recommend installing a TMV (see page 129) and a floor trap (see page 119)	

TEMPOSTOP

Time flow shower valve in a waterproof housing



- Tamperproof bright polished stainless steel wall plate 160 × 220mm.
- **Waterproof recessing housing.**
- 10 - 30mm allowance for different wall finishes.
- **TEMPOSTOP 3/4" time flow valve** for mixed water supply.
- **Ligature-resistant collar.**
- **Time flow ~30 seconds, soft-touch operation.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Solid brass body.
- Concealed fixings.
- Stopcock M1/2" with filter.



749BOX + 749218

TEMPOSTOP valve in waterproof housing	
With chrome-plated Bayblend® push-button	749BOX + 749218
With chrome-plated metal push-button	749BOX + 749218CXL
We recommend installing a TMV (see page 129) and a floor trap (see page 119) Option: shower heads (see page 120)	



- **Water savings**
- **Vandal-resistant:** chrome-plated solid brass, recessed installation

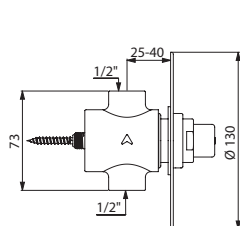
TEMPOSTOP

Recessed time flow valve



- **TEMPOSTOP F 1/2" time flow valve** for mixed water supply.
- For recessed installation.
- Stainless steel wall plate Ø 130mm.
- Recessing depth between 25 - 40mm.
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Solid brass body and push-button.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749128

TEMPOSTOP recessed valve with wall plate **749128**

We recommend installing a TMV (see page 129) and a floor trap (see page 119)
Option: shower heads (see page 120)

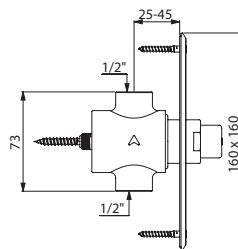
TEMPOSTOP

Recessed time flow valve



- **TEMPOSTOP F 1/2" time flow valve** for mixed water supply.
- For recessed installation.
- Satin finish stainless steel wall plate 160 x 160mm.
- Recessing depth between 25 - 45mm.
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Solid brass body and push-button.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



749628

TEMPOSTOP recessed valve with wall plate **749628**

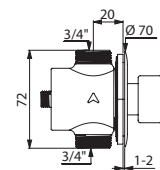
We recommend installing a TMV (see page 129) and a floor trap (see page 119)
Options: shower heads (see page 120) and tamperproof screws (see page 255)

TEMPOSTOP

Time flow valve for panels



- **TEMPOSTOP M 3/4" time flow valve** for mixed water supply.
- For panel mounting 2mm max.
- Chrome-plated metal wall plate Ø 70mm.
- **Time flow ~30 seconds.**
- **Flow rate 12 lpm** at 3 bar, can be adjusted.
- Solid brass body and push-button.
- Rear locking ring.



749770

TEMPOSTOP valve for panels **749770**

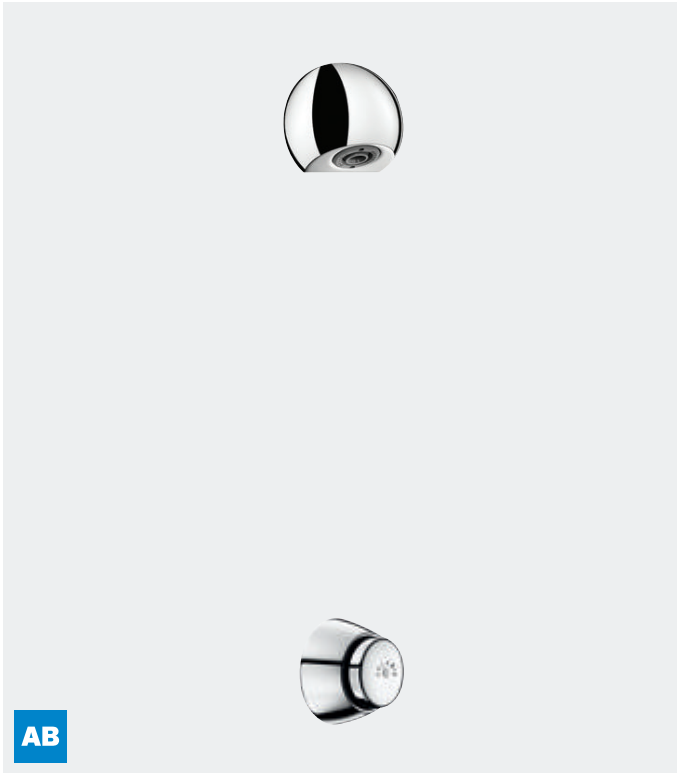
We recommend installing a TMV (see page 129) and a floor trap (see page 119)
Option: shower heads (see page 120)



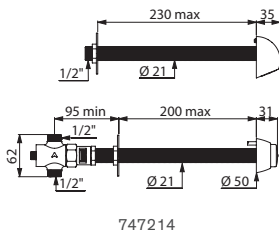
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass, cross wall model with anti-blocking (AB) system

TEMPOSTOP

Cross wall time flow shower kit



- **TEMPOSTOP M $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For cross wall installation.
- **Time flow ~15 or 30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Concealed fixings and anti-rotating nut.
- Threaded rods can be cut to size.
- **Available with AB anti-blocking system:** water only flows when push-button is released.



TEMPOSTOP cross wall shower kit	
For walls \leq 150mm, ~30 seconds	749159
For walls \leq 200mm, AB system, ~15 seconds	747214
Back-nut with 3 screws (reinforced clamp behind wall)	826315

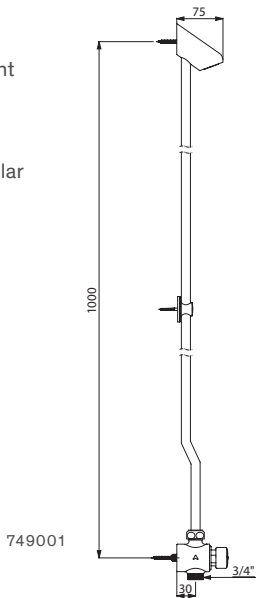
We recommend installing a TMV (see page 129) and a floor trap (see page 119)

TEMPOSTOP

Exposed time flow shower kit



- **TEMPOSTOP time flow valve** for mixed water supply from beneath.
- For wall-mounted, exposed installation.
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **TONIC JET shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Reinforced shower column \varnothing 16mm and collar (mounting bracket and screws supplied).



TEMPOSTOP exposed shower kit	
TEMPOSTOP exposed, M $\frac{3}{4}$ "	749001
TEMPOSTOP exposed, \varnothing 15mm for compression fittings	749002
Angled stopcock, adjustable spacing (see page 122)	836020

We recommend installing a TMV (see page 129) and a floor trap (see page 119)
Option: rain-effect grid (add "GR" after the reference)



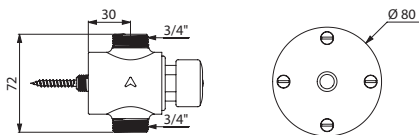
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass

TEMPOSTOP

Exposed time flow valve M $\frac{3}{4}$ "



- **TEMPOSTOP M $\frac{3}{4}$ " time flow valve** for in-line mixed water supply.
- For wall-mounted, exposed installation.
- **Time flow ~30 seconds.**
- **Flow rate 12 or 75 lpm** at 3 bar, can be adjusted.
- Chrome-plated solid brass body and push-button.



749000

824800

TEMPOSTOP M $\frac{3}{4}$ " exposed valve	
12 lpm with flow rate adjustment	749700
75 lpm without flow rate adjustment. <i>Recommended for low pressure environments</i>	749000
Reinforced wall plate Ø 80mm. <i>Recommended for installing on panels or dry walls</i>	824800

We recommend installing a TMV (see page 129) and a floor trap (see page 119)

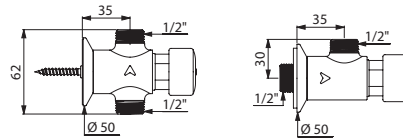
Option: shower heads (see page 120)

TEMPOSTOP

Exposed time flow valve M $\frac{1}{2}$ "



- **TEMPOSTOP M $\frac{1}{2}$ " time flow valve** for mixed water supply.
- For wall-mounted, exposed installation.
- **Flow rate pre-set at 9 lpm** at 3 bar, can be adjusted.
- Chrome-plated solid brass body and push-button.



747000

748000

TEMPOSTOP exposed valve M $\frac{1}{2}$ "	
Straight for in-line inlets, M $\frac{1}{2}$ " (~15 seconds)	747000
Straight for in-line inlets, M $\frac{1}{2}$ " Ø 15mm for compression fittings (~30 seconds)	74972515
Angled for recessed inlets, M $\frac{1}{2}$ " (~15 seconds)	748000

We recommend installing a TMV (see page 129) and a floor trap (see page 119)

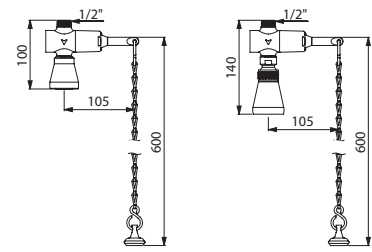
Option: shower heads (see page 120)

TEMPOSTOP

Chain-pull time flow shower kit



- **TEMPOSTOP M $\frac{1}{2}$ " time flow valve** for mixed water supply from above.
- Ceiling-mounted.
- **Time flow ~15 seconds.**
- **Flow rate 6 or 9 lpm** at 3 bar, can be adjusted.
- Chrome-plated solid brass body.
- Lever and chain fitted with handle.
- With fixed GYM shower head or adjustable GYM COMFORT shower head (see pages 120 and 121).



747006

747004

Chain-pull TEMPOSTOP shower kit	
With fixed tamperproof GYM shower head 6 lpm	747006
With adjustable GYM COMFORT shower head	747004

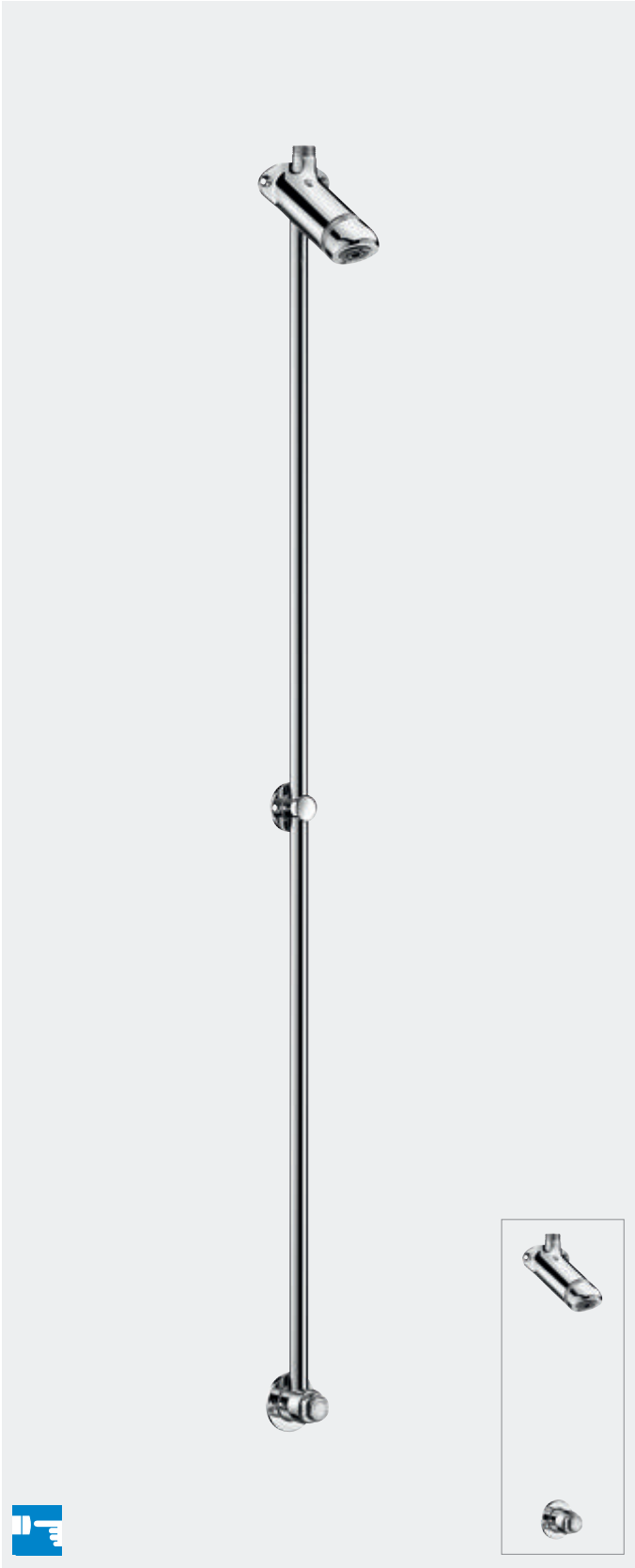
We recommend installing a TMV (see page 129) and a floor trap (see page 119)



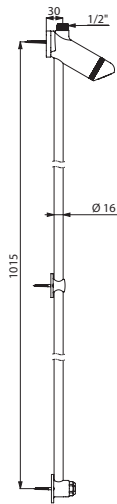
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass
- **Comfort:** soft-touch operation

SPORTING

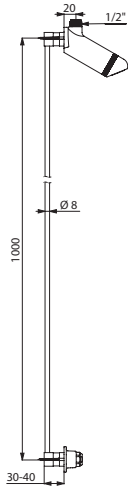
Exposed or recessed time flow shower kit



- **SPORTING time flow valve M $\frac{1}{2}$ "** for top inlet supply with mixed water.
- For wall-mounted, exposed or recessed installation.
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **shower head** with automatic flow rate regulation.
- De-pressurising push-button.
- Fixings with stainless steel screws supplied.
- Chrome-plated solid brass body.
- Integrated filter and non-return valve.



714000



714002

SPORTING exposed shower kit	
SPORTING exposed (Reinforced shower column Ø 16 and collar)	714000
In-line stopcock MF $\frac{1}{2}$ " (see page 122)	825215
SPORTING recessed shower kit	
SPORTING recessed (Shower column 6/8 and connectors supplied)	714002
Elbow stopcock MF $\frac{1}{2}$ " (see page 122)	836215
We recommend installing a TMV (see page 129) and a floor trap (see page 119) Option: rain-effect grid (add "GR" after the reference).	



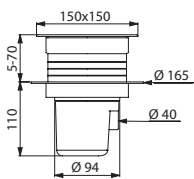
- **Easy to install:** trap suitable for different floor types (soft or hard)
- **Vandal-resistant:** tamperproof stainless steel grid and screw fixings

Adjustable height floor trap

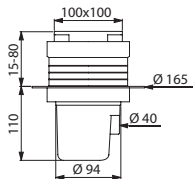
For tiled, concrete and vinyl floors



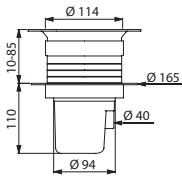
- **Flow rate 36 lpm (meets standards).**
- **Water level 50mm.**
- **Bright polished stainless steel grid.**
- **Vertical or horizontal outlet** integrated into the height of the floor trap (saves height and space in all dimensions).
- Integrated waterproof plate to seal waterproof membrane.
- Withstands high temperatures: 60°C continuous, 85°C peak.
- Plunger with handle: easy to grip and easy to clean.
- Smooth PVC body (prevents build-up of impurities).
- Classified non-flammable (American certification UL94).
- **Height adjusts** with extension.
- Grid fixed by 2 stainless steel screws.
- For hard floors (tiled or concrete) or soft floors (vinyl).



683001



682001



683002

Floor trap for tiled or concrete floors

150 x150mm, adjustable height up to 70mm, outlet Ø 40mm	683001
150 x150mm, adjustable height up to 70mm, horizontal outlet Ø 43mm	683001UK
100 x100mm, adjustable height up to 80mm, outlet Ø 40mm	682001
100 x100mm, adjustable height up to 80mm, horizontal outlet Ø 43mm	682001UK

Floor trap for soft or vinyl floors Ø 114mm

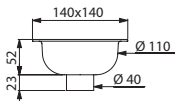
Adjustable height up to 85mm, outlet Ø 40mm	683002
Adjustable height up to 85mm, horizontal outlet Ø 43mm	683002UK

Floor trap

For tiled or concrete floors



- **Flow rate 18 lpm.**
- **Water level 18mm.**
- Brass body 140 × 140mm.
- Bright polished stainless steel grid fixed by a stainless steel screw.
- PVC bell.
- **Vertical outlet Ø 40mm** (provide elbow for horizontal outlet).
- For hard floors (tiled or concrete).



684000

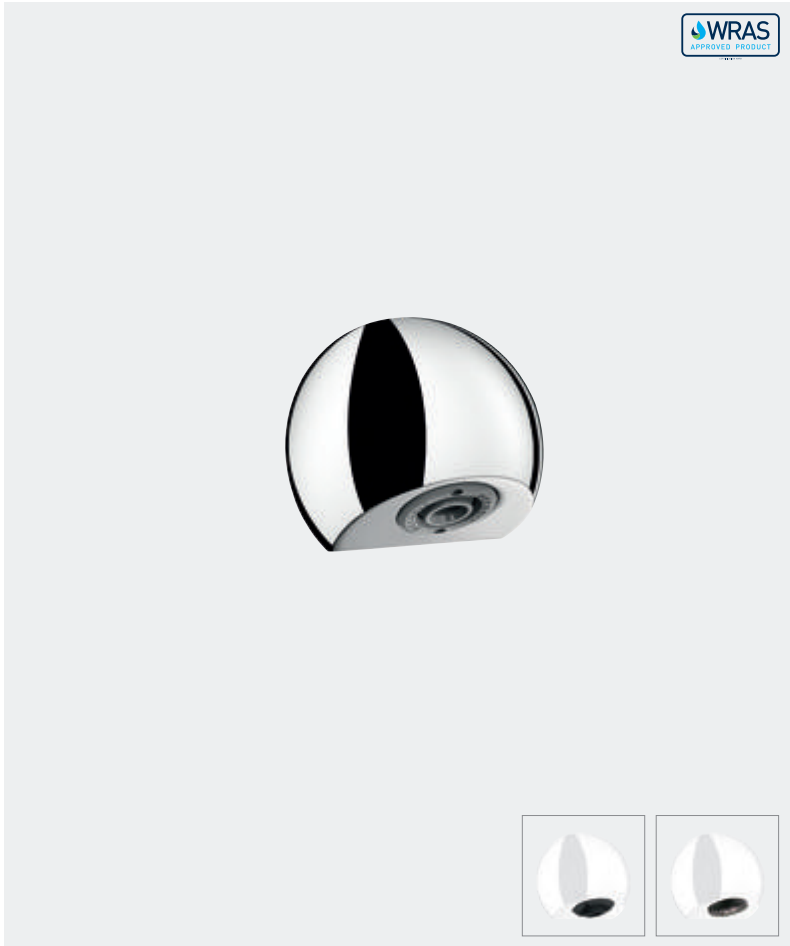
Floor trap 140 x140mm	684000
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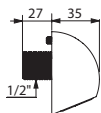
- **Water savings:** 80%
- **Easy to service:** scale-resistant nozzle, no water or impurities retention, shower head drains after use
- **Comfort:** adjustable conical jet, efficient and comfortable coverage
- **Vandal-resistant:** tamperproof, chrome-plated solid brass, recessed or cross wall versions, ligature-resistant nozzle

ROUND

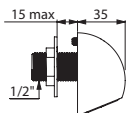
Scale-resistant shower head



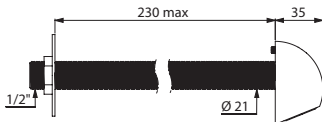
- Fixed shower head.
- **Flow rate 6 lpm** at 3 bar.
- **Scale-resistant and ligature-resistant nozzle** with adjustable spray.
- Chrome-plated solid brass.
- Fixed with concealed blocking screw.
- Systematically drains after use (no water or impurity retention).
- Inlet M $\frac{1}{2}$ ".
- Available for recessed, panels, columns or cross wall versions (threaded rods can be cut to size).



709000



709010



709200

ROUND shower head

For recessed inlets	709000
For panels \leq 15mm	709010
For walls \leq 180mm	709150
For walls \leq 230mm	709200

Options: rain effect grid and nozzle 10 lpm (see page 122)
Other cross wall lengths are available on request

TONIC JET

Scale-resistant shower head

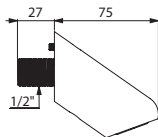


GYM

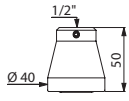
Scale-resistant shower head



- Ceiling-mounted shower head. Inlet F $\frac{1}{2}$ ".



712000



716000

TONIC JET shower head	
For recessed inlets	712000
For panels \leq 10mm	712010
For column set F $\frac{3}{4}$ " and collar (mounting bracket and screws supplied)	712020
For walls \leq 180mm	712150
For walls \leq 230mm	712200
GYM shower head	716000

Options: rain effect grid and nozzle 10 lpm (see page 122)
Other cross wall lengths are available on request



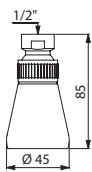
- **Comfort:** rain-effect
- **Vandal-resistant:** brass, streamlined design, concealed fixings

GYM COMFORT

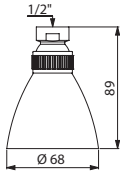
Shower head



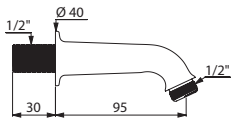
- Adjustable shower head.
- Scale-resistant.
- 30 lpm at 3 bar without flow rate limiter.



711000



711002



710000



927005.5P

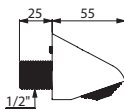
GYM COMFORT shower head	
F 1/2", Ø 45mm	711000
EXTRA F 1/2", Ø 68mm	711002
Chrome-plated brass shower arm, MM 1/2"	
L. 95mm	710000
Flow rate limiters, FM 1/2"	
5 - 6 lpm (5 per pack)	927005.5P
10 lpm (5 per pack)	927015.5P

Wall-mounted with grid

Shower head



- Compact, fixed and tamperproof shower head.
- 5 ring spray plate.
- Fixed via concealed grub screw.
- 40 lpm at 3 bar without flow rate limiter.
- For recessed water supply.



64000

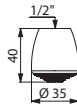
Wall-mounted shower head	64000
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Ceiling-mounted

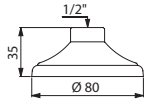
Shower head



- Ceiling-mounted and tamperproof shower head.



88CH5



715000

Ceiling-mounted shower head	
With 5 rings, chrome-plated brass	88CH5
Chrome-plated, large rim Ø 80mm	715000

GR grid

With rain-effect spray



- Tamperproof grid with rain-effect spray.
- Concentrated rain-effect spray (Ø 50cm on the floor).
- Recommended for small raised shower trays.
- Suitable for replacing ROUND, TONIC JET and GYM shower head nozzles.
- Add "GR" after the reference.



GR

GR grid	GR
---------	----

CF comfort nozzle

10 lpm



- Scale-resistant nozzle made from Hostaform®.
- Comfortable spray at 10 lpm at 3 bar.
- Suitable for replacing ROUND, TONIC JET and GYM shower head nozzles.
- Add "CF" after the reference.



CF

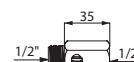
CF comfort nozzle	CF
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In-line STOP union

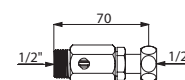
With stopcock



- Integrated stopcock.
- Nickel-plated brass.
- MF 1/2".



825015

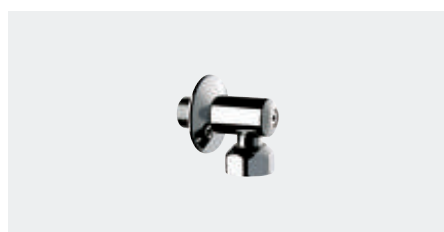


825215

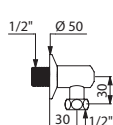
In-line STOP union	
Without nut	825015
With retractable nut	825215

Elbow union

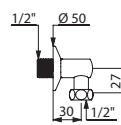
With or without stopcock



- With or without integrated stopcock.
- Retractable nut.
- Chrome-plated brass.



836015

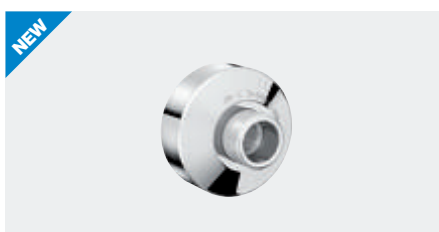


838015

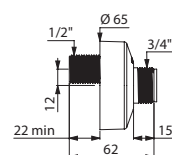
Elbow STOP union with stopcock	
MF 1/2", L. 30mm, H. 30mm	836015
M 1/2" - F 3/4", L. 30mm, H. 30mm ±2mm	836020
MF 1/2", L. 20mm, H. 30mm	836215
Elbow union without stopcock L. 30mm	
MF 1/2", H. 27mm	838015
M 1/2" - F 3/4", H. 29mm	838020
FF 3/4", H. 20mm with rivet nuts (2 per pack)	874220.2P

Offset or in-line connector

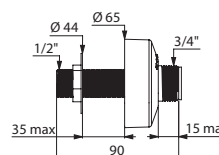
With STOP/CHECK



- Chrome-plated brass connector.
- M 1/2" - M 3/4".
- Escutcheon Ø 65mm.
- STOP function: integrated stopcock.
- CHECK function: checks if non-return valves are watertight where fitted to mixers (DELABIE patented).
- Supplied in packs of 2.



855755.2P



855755UK.2P

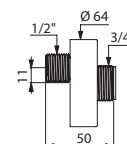
Wall connector with STOP/CHECK	
Offset 12mm	855755.2P
In-line for cross wall installation	855755UK.2P

Offset connector

Standard



- Offset standard connector 11mm.
- M 1/2" - M 3/4".
- Escutcheon Ø 64mm.
- L. 50mm.
- Chrome-plated brass.
- Supplied in packs of 2.



856794.2P

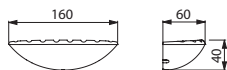
Offset standard connectors	856794.2P
----------------------------	-----------

Soap dish

Wall-mounted



- Concealed fixings.
- Support fixed to wall by 4 screws.
- Chrome-plated Bayblend®.
- Matte or bright finish.



710500

Wall-mounted soap dish

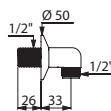
Matte finish	710500
Bright finish	710501

Wall-mounted elbow outlet

For flexible shower hoses



- Wall-mounted elbow outlet for flexible shower hoses.
- Solid brass.
- MM 1/2".



868121

Wall-mounted elbow outlet	868121
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Anti-bacterial BIOFIL cartridge

Single use filter



- Single use cartridge filter, sterilising grade 0.1µm absolute-rated.
- Non-sterile CE class I anti-bacterial filter.
- Maximum lifespan: 62 days after installation.
- Immediate protection against waterborne nosocomial infections.
- Filtration area: 1,400cm².
- Filtration flow rate: 12 lpm at 3 bar.
- Maximum upstream pressure: 5 bar.

For more information see page 125.



30050A.10P

CE anti-bacterial BIOFIL cartridge

Without seal (10 per pack)	30050A.10P
Push-fit connector M24/125	820025

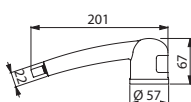
Anti-bacterial BIOFIL shower head

Single use filter



- Single use shower head filter, sterilising grade 0.1µm absolute-rated.
- Non-sterile CE class I anti-bacterial filter.
- Maximum lifespan: 62 days after installation.
- Immediate protection against waterborne nosocomial infections.
- Filtration area: 1,400cm².
- Filtration flow rate: 12 lpm at 3 bar.
- Maximum upstream pressure: 5 bar.

For more information see page 125.



30060.10P

CE anti-bacterial BIOFIL shower head

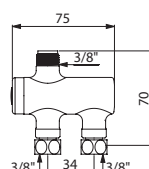
Without seal (10 per pack)	30060.10P
Push-fit connector, M1 1/2"	820023

PREMIX NANO

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 34 - 60°C.
- To be placed upstream of the mixer/tap.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.
- For 1 or 2 taps.



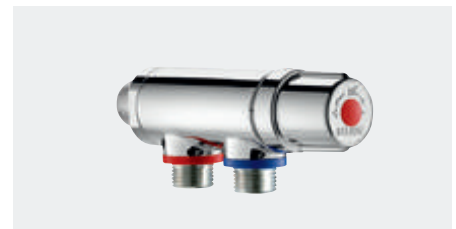
732016

PREMIX NANO

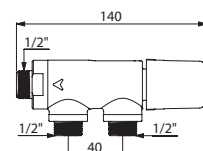
Nickel, FFM 3/8"	732012
Polished, FFM 3/8"	732016

PREMIX COMPACT

Thermostatic mixing valve



- Thermostatic mixing valve for MW distribution.
- Temperature can be adjusted from 30 - 60°C.
- To be placed upstream of the shower.
- Anti-scalding safety.
- Filters and non-return valves.
- Thermal shocks are possible.



733016

PREMIX COMPACT

M 1/2" - 1 - 3 showers	733016
M 3/4" - 1 - 5 showers	733021

Other COMPACT models available (see page 141)



CONTROLLING WATERBORNE HEALTH RISKS

Water, essential for hygiene, can also be a source of infection if its quality is not controlled.

The proliferation of bacteria (*Legionella*, *Pseudomonas aeruginosa*, etc.) in the water supply or in mixers and taps may cause serious infections, especially for vulnerable people.

Water systems in all buildings open to the public should be monitored for *Legionella* i.e. swimming pools, leisure centres, hotels and holiday accommodation, campsites, medical social care and social care establishments, spaces for disabled people, prisons, etc.

This applies in all circumstances where the Health and Safety at Work Act 1974 - which imposes the monitoring of the bacteriological quality of water in sanitary installations - applies.

The prevention of health risks associated with pathogenic bacteria in water systems should be a constant concern for public buildings.

The BIOFIL range of terminal filters is a preventative or curative solution to secure the water quality at the point-of-use and protect the health of the user.

AREAS OF USE

BIOFIL anti-bacterial filters are CE class I. They are suitable for all public and commercial buildings. Especially for the following applications:

- personal bathing
- hand washing
- balneotherapy

BIOFIL filters are installed on the outlets of each sensitive point-of-use (basins or showers). They filter water at the point-of-use and ensure it contains no bacteria.

THE INSTANT BIOFIL SOLUTION

Mixer or tap can be used immediately after installation of the filter.

BIOFIL FILTERS PERFORMANCE

Hollow fibre filter

Each BIOFIL filter incorporates a hollow fibre membrane with a water filtration threshold of 0.1 micron absolute-rated. They **deliver water free from microorganisms** (bacteria, protozoa, fungi, particles in water systems...) without changing its chemical composition.

They provide total protection against waterborne infection.

Filtration surface is twice the size of a flat membrane

The filtration area is significantly higher for BIOFIL hollow fibre filters than for flat membranes (1,400cm² compared to 500cm²).

This large filtration area **enables a larger volume of water to be filtered**. Consequently the storage capacity for bacteria and impurities trapped inside the filter is also much greater.

Resistance to clogging

Particles in suspension remain on the surface of the hollow fibre membrane which delays the clogging of the filter. As such, the hollow fibre membrane has a longer lifespan.

Extremely compact filters

Unlike other terminal filters on the market, BIOFIL filters are smaller due to the compact nature of the fibre. They are suitable for most water controls on the market.

TOTAL CONTROL OF MANUFACTURING PROCESS

100% quality controlled

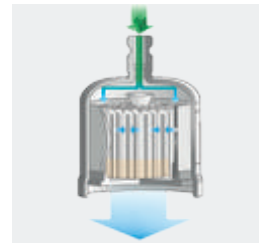
The quality and porosity of the fibre and the finished product are continuously monitored during the manufacturing process for 100% of the fibres.

100% recyclable fibre

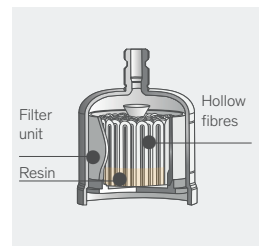
DELABIE's hollow fibre membrane is made from 100% recyclable polyethylene (PE) fibres. BIOFIL filters are, therefore, completely recyclable. No additives or solvents are used during the manufacturing process.



Bacteriologically controlled water



Water passage through the filter



Section of the BIOFIL cartridge filter



ROUND shower head fitted with BIOFIL cartridge



BIOFIL anti-bacterial shower head

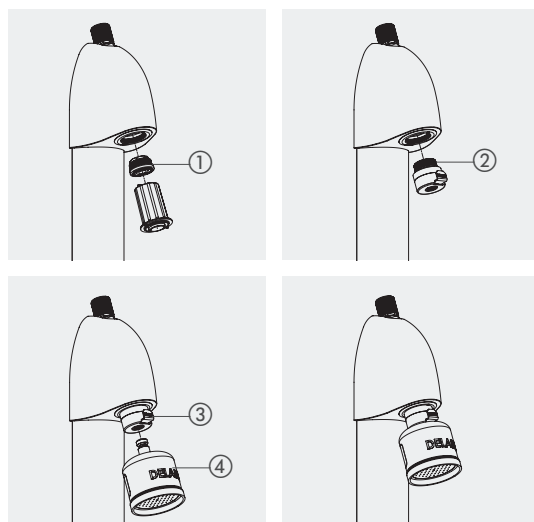


Maximum lifespan

QUICK AND EASY TO INSTALL

BIOFIL filters and cartridges are simple to connect to the outlet requiring treatment without the need for tools. The water supply does not need to be shut off. Push-fit connectors allow filters to be fitted to all water control outlets and shower hoses.

To install a cartridge on a SPORTING shower panel or on a DELABIE shower head, replace the nozzle ① with the connector ②. Press on the tab ③ and insert the cartridge ④. Then release the tab ③.



RESISTANT TO WATER SYSTEM TREATMENTS

BIOFIL filters will withstand thermal and chemical shocks.

During chemical or thermal shocks, impurities are trapped in the filter and reduce its lifespan. DELABIE therefore recommends changing the filter after any treatment.

Resistance to thermal shocks:

Temperatures of 70°C for a cumulative period of 30 minutes during its lifetime.

Resistance to chemical shocks:

Chlorine levels of up to 100 ppm at a flow rate of 0.6 lpm for 30 minutes.

LIFESPAN

BIOFIL all-germ anti-bacterial filters can be used for up to **62 days** after initial installation. After this time period, DELABIE recommends changing the filter to avoid any risk of retro-contamination from the bacteria concentrated in the filter.

Note: The amount of impurities in the water will vary between water systems. Filters will therefore become clogged at different rates.

If the filter becomes clogged prematurely, it is necessary to change it. We recommend pre-filtration upstream at different levels in the system to filter out sand and scale, etc.

Bacterial proliferation is significantly reduced in an installation where the water is pre-filtered, and the lifespan of all equipment is greatly increased.

OPTIMISED TRACEABILITY

To control the health risks associated with water, the whole process from the manufacture of the medical device components to the use of the finished product must be completely traceable.

Double labelling on the filter

Filters are supplied with 2 waterproof labels which identify the product and ensure traceability when the filter is changed.

One is positioned on the product itself, the other can be removed and transferred to the record log, ensuring traceability.



For more information on the BIOFIL terminal filters range, see the catalogue "Water Controls for Healthcare Facilities and Retirement Homes" (Doc 900UK).



- **BIOSAFE:** immediate protection against waterborne nosocomial infections (*legionella*, etc.)
- **Quick and easy to install:** connect without tools or shutting off the water supply, filters suitable for all types of water controls
- **Filtration area:** twice the size of flat membranes

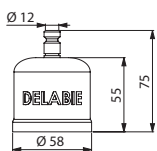
Anti-bacterial BIOFIL cartridge

Single use filter

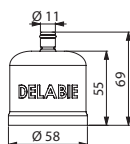


- Single use cartridge filter, sterilising grade **0.1µm absolute-rated**.
- Hydrophilic polyethylene hollow fibres.
- Filtration area: 1,400cm².
- Filtration flow rate: 12 lpm* at 3 bar (filter only, excludes any flow rate restrictor/regulator in the shower outlet).
- Maximum upstream pressure at point-of-use: 5 bar.
- Maximum lifespan: **62 days** after installation.
- Compatible with and resistant to chemical and thermal shocks.
- **CE** class I **non-sterile anti-bacterial filter**.
- Individually wrapped.
- Weight: 80g.

* Average flow rate during the product lifespan.



30050A.10P



30051P.10P



Rain effect



Laminar flow

CE BIOFIL anti-bacterial cartridge

10 cartridge A (without O-ring)

Rain effect	30050A.10P
Laminar flow	30051A.10P

10 cartridge P (with O-ring)

Rain effect	30050P.10P
Laminar flow	30051P.10P

Option: Push-fit connectors (see opposite)

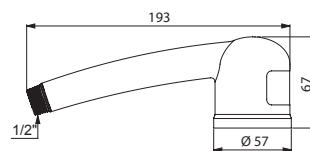
Anti-bacterial BIOFIL shower head

Single use filter

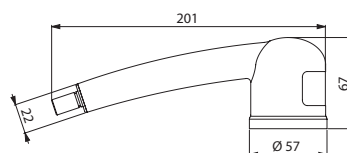


- Single use shower head filter, sterilising grade **0.1µm absolute-rated**.
- Hydrophilic polyethylene hollow fibres.
- Filtration area: 1,400cm².
- Filtration flow rate: 12 lpm* at 3 bar (filter only, excludes any flow rate restrictor/regulator in the shower outlet).
- Maximum upstream pressure at point-of-use: 5 bar.
- Maximum lifespan: **62 days** after installation.
- Compatible with and resistant to chemical and thermal shocks.
- **CE** class I **non-sterile anti-bacterial filter**.
- Available in two models:
 - Shower head M $\frac{1}{2}$ " : screws in directly to the flexible.
 - Push-fit shower head: requires push-fit connector.
- Individually wrapped.
- Weight: 120g.

* Average flow rate during the product lifespan.



30061.10P



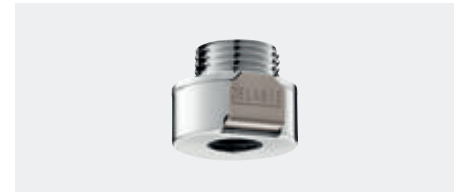
30060.10P

CE BIOFIL anti-bacterial shower head

10 shower heads M $\frac{1}{2}$ "	30061.10P
10 push-fit shower heads	30060.10P

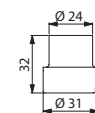
Option: Push-fit connectors (see opposite)

Additional fittings

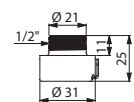


Push-fit connectors for cartridges and shower heads

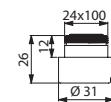
- Connectors for installing cartridges A, P and clip on shower heads (does not require tools or the water to be shut off).



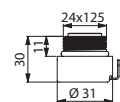
820022



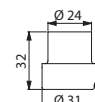
820023



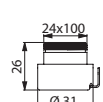
820024



820025



820122



820124

Push-fit connector for BIOFIL cartridge A

F22/100	820022
M24/100	820024
M $\frac{1}{2}$ "	820023
M24/125 for SPORTING	820025

Push-fit connector for BIOFIL cartridge P

F22/100	820122
M24/100	820124

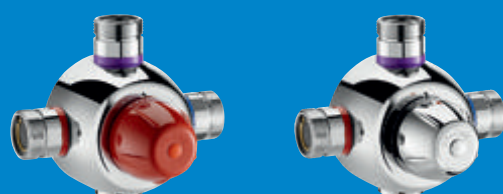
Push-fit connector for BIOFIL shower head

M $\frac{1}{2}$ "	820023
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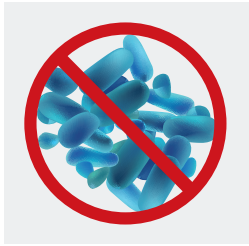
Thermostatic mixing valves

GROUP
THERMOSTATIC
MIXING VALVES
136



THERMOSTATIC
MIXING VALVES
140





Hygiene and controlling bacterial proliferation



Chemical shocks are ineffective over the long term



Thermal shocks are ineffective over the long term

ABOUT LEGIONNAIRES' DISEASE

What is Legionnaires' disease?

It is a serious **respiratory infection** caused by a bacterium named *Legionella*. The illness which follows, Legionnaires' disease, is fatal in 15-20% of cases.

Legionella is a **system bacterium** which develops in warm water in pipework or cisterns. It only becomes dangerous when inhaled when it may spread into the lungs and rapidly develop in white blood cells.

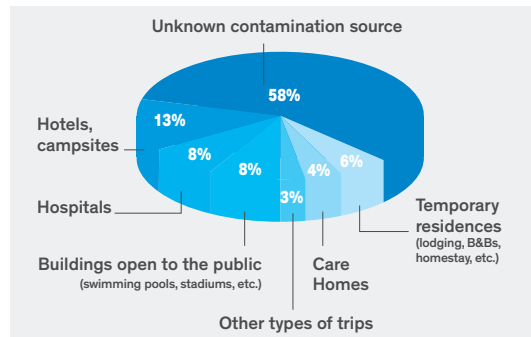
Legionnaires' disease is more likely to affect adults, especially older smokers and people with respiratory problems or weak immune systems.

Legionnaires' disease is treated with antibiotics. The World Health Organization (WHO) states that the alert level for *Legionella* starts at 1,000 Colony Forming Units (CFU) per litre of water (>250 for hospitals). The UK alert level is 100 CFU/L.

Which installations are at risk?

Legionella develops in **stagnant water** between **25-45°C**, with an optimum temperature between 30-37°C. Humid areas with scale, mud or which have been affected by corrosion are more prone to *Legionella* development.

Environments at risk include hot water systems, cooling towers, health resorts, water fountains, shower rooms, spas, etc.



Source: French Institute for Public Health Surveillance, 2015, based on 1,389 declared cases

Development of *Legionella* per temperature

Temperature	Development of <i>Legionella</i>
< 20°C	Dormant
25-45°C	Multiplies
50°C	90% die within 2 hours
60°C	90% die within 2 minutes

Source: CSTC Belgium November 2002

Current curative treatments are ineffective

- Chemical shocks: a chlorine injection 50 mg/L for 1 hour (HSE guidance); ≥ 10 mg/L for 8 hours (WHO).
- Thermal shocks: circulating hot water at 60°C for 60 minutes (in Europe: 70°C for 30 minutes).

• A short term effect:

The system can be very quickly recolonised **within 3-4 weeks**. The inside of the pipework is covered by a biofilm: a sort of gel which bacteria stick to, feed on and proliferate in. The biofilm protects them and enables them to withstand temperature variations (thermal shocks) and biocide products (chemical shocks).

During curative treatments, the risk is not only that the bacteria will get used to the treatment and thus develop their resistance to it, but above all will provoke detachment of bacteria aggregates which will be deposited closer to the water outlet and thus, to the user.

• Negative effect in distribution networks and drainage systems

They are not necessarily designed to withstand temperatures above 60°C or significant quantities of chlorine. They can cause **corrosion or premature ageing of the distribution and drainage system**.

• High risk for the user

- During the treatment, the user is exposed to high risks:
- **3rd degree burns** in the case of a thermal shock.
 - **Poisoning** in the case of chemical shock treatment.

• Costly and difficult operation to undertake

Curative treatments are difficult to undertake fully at all points in the system (various deposits, dead-legs, heat loss, etc.). They require the water **supply to be out-of-service** and the mobilisation of **maintenance staff**.

To avoid these treatments it is important to act on four levels:

- **Avoid dead-legs and water stagnation.**
- Regularly **maintain** the system to prevent corrosion or scaling.
- **Produce and store hot water at a high temperature** that will prohibit bacterial proliferation.
- **Maintain the temperature** in the system with a circulating loop and mix the water as close as possible to the point-of-use.

The only **preventive treatments** that are effective in the long term are the ones recommended by the **UK Health and Safety Executive (HSE) technical guidance "HSG274 Part 2" in 2014**.

REGULATIONS

HSE guidance recommends the monitoring of Legionella levels where there is a high risk of contamination.

The guidance recognises that the traditional method of controlling the risk of Legionella development is to produce and distribute higher water temperatures. Yet, this significantly increases the risk of scalding at the point-of-use. (Source: Centre for Burns, St Joseph and St Luc Hospital, Lyon, France).

- **At 50°C:** Burns in 7 seconds and 3rd degree burns in 100 seconds.
- **At 60°C:** 3rd degree burns in 3 seconds on average (5 seconds for an adult, 1-2 seconds for a child).

HSG274 Part 2 recommends the installation of thermostatic mixing valves where there is a high risk of scalding to users e.g. very young, very elderly, infirm, mentally disabled and physically disabled.

- Hot water should be distributed so that it reaches a temperature of 50°C (55°C in healthcare premises) within one minute at the outlets.
- Thermostatic mixing valves should be installed as close as possible to the point-of-use.

HSG 274 Part 2, 2014

HSE guidance for the control of Legionella bacteria in hot and cold water systems states that monitoring for Legionella should be carried out:

- when water is treated with biocides or when distribution temperatures are reduced from HSE guidelines.
- where water treatment regime control levels are not being consistently achieved.
- where there is a high-risk of contamination e.g. hospitals and care homes.
- where an outbreak of legionellosis has been identified.

A risk assessment is required to identify:

- **Monitoring frequency of installations** for all points-of-use considered at-risk:
- **Sentinel points** for **temperature** measurement and **bacteriological testing**:
 - **Once a week** in healthcare facilities.
 - **Once a month** for all other facilities receiving public.
- **Bacterial analysis: once a year**

DELABIE recommends two water assessments: one on the first draw-off, to detect *Pseudomonas aeruginosa* and one on the second to detect *Legionella*. If the hot water systems haven't been used for several weeks, **samples for Legionella assessment** have to be taken just after the purge of the system and within two weeks before receiving the public.

Legionella monitoring levels

Alert level	< 100 CFU/L
Remedial action level	> 100 up to 1,000 CFU/L
Curative action level	> 1,000 CFU/L

CFU/L: Colony Forming Units per litre

The control of Legionella bacteria in hot and cold water systems

Guidance on compliance with the relevant parts of the Management of Health and Safety at Work Regulations 1999 in public premises.

(Source: UK Health and Safety Executive, HSG 274 Part 2, 2014).

It recommends:

- **Minimum temperatures to limit the risk of development of Legionella.**
 - **Maximum temperatures to limit the risk of scalding.**
 - **At the calorifier outlet the hot water temperature must constantly be above 60°C.**
 - **In storage equipment,** water must be maintained at a **minimum temperature of 60°C.**
 - **At every point in the distribution system,** hot water must be delivered to the outlet at **50°C** (55°C in healthcare facilities) within **one minute** of turning on the tap.
- The HSE advises that long pipe runs between TMVs and outlets should be avoided and should not exceed **2 metres in length**.

The maximum temperature of sanitary hot water at the point-of-use is set at:

- 44°C for bath fill (46°C if assisted)
 - 41°C for showers
 - 41°C for washbasins,
- with special dispensation for catering applications (Source: Health and Safety Executive information sheet 09/12; TMVA Code of Practice, 2000).



PREMIX SECURITY

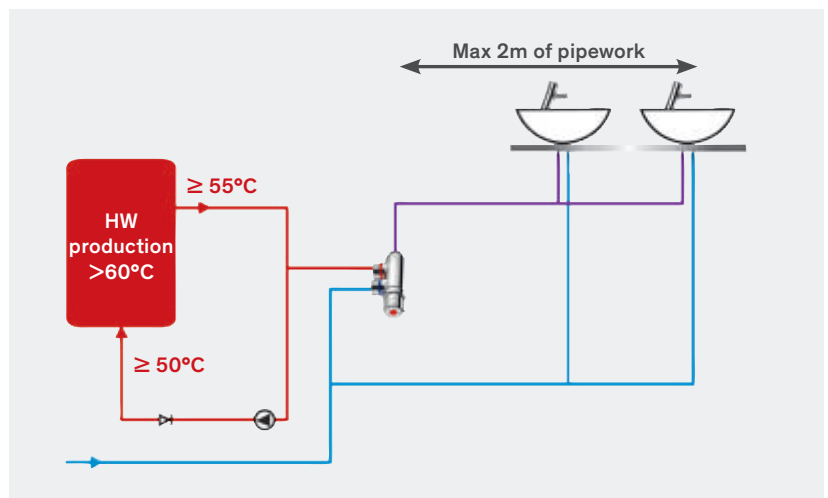


PREMIX COMFORT

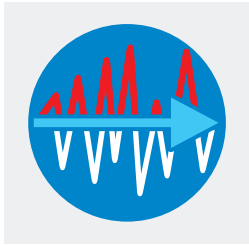


PREMIX COMPACT

Thermostatic Mixing Valves



Pipes between centralised thermostatic mixing valves and the points-of-use should not be longer than 2 metres.



Temperature stability



Anti-scalding safety



Preventive and permanent solution against Legionella



GENERAL CHARACTERISTICS

Designed for public and commercial applications, PREMIX thermostatic mixing valves deliver a highly stable blend of mixed water at the desired temperature.

They enable simultaneous supply to one or more sanitary points-of-use (depending on the model chosen) for showers, basins, etc.

Fast to react, they constantly regulate the hot water temperature in the system.

Innovative, they benefit from PREMIX technology (automotive thermo-reactive cell) which has indisputable performance advantages over existing technologies (bi-metal, dual controls, etc.).

Comfort

PREMIX thermostatic mixing valves ensure a constant temperature regardless of variations in pressure or flow rate in the system: they respond immediately to any changes.

PREMIX anticipates all variations in temperature and corrects them for the user.

Anti-scalding safety

PREMIX thermostatic mixing valves include an automatic safety feature ensuring that the hot water supply shuts off if the cold water supply fails. They also provide temperature limitation thanks to an adjustable index ring.

PREMIX thus eliminates any risk of scalding.

Preventive and permanent solutions against Legionnaires' disease

The Health and Safety Executive's guidance HSG 274 Part 2 (2014) recommends maintaining the hot water temperature permanently above 50°C at all points in the system in order to prevent any risk of Legionella bacteria proliferation.

Water must be mixed as close as possible to points-of-use.

PREMIX contributes to preventing any risk of bacterial proliferation.

TECHNICAL ADVANTAGES

Reliability

The **automotive thermostatic cell** of the PREMIX is located in the heart of the mixing chamber, which enables it to **have superior sensitivity to any variations in pressure or flow rate in the system**. It optimises the regulation of both hot and cold water supplies.

Precise temperature control

PREMIX valves are supplied pre-calibrated and are **precise to the exact degree recommended for the flow range**. The chosen temperature can be locked by the installer.

Minimal pressure loss

The PREMIX mechanism (without hydraulic relays) enables direct circulation of water between inlets and outlets. This **reduces the pressure loss** and optimises flow rate capacity of the system (ensuring excellent performance at low, medium or high pressures).

Minimal servicing

The internal working is designed to be as simple as possible with few moving parts. The PREMIX is manufactured with **scale and corrosion resistant mechanisms**.

It is recommended that preventive checks be carried out on the calibration and anti-scalding safety at least twice a year.

Quick and low cost maintenance

Cartridges are simple and **can be changed from the front without having to remove the whole mixing valve**. Filters and non-return valves are accessible from the exterior without having to remove the mechanism.

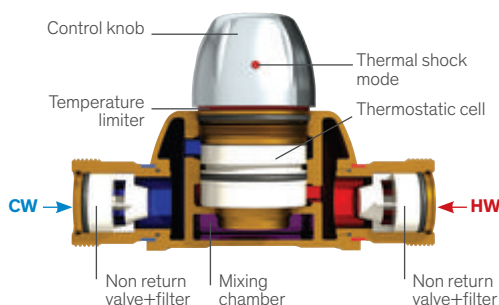
Comprehensive range

DELABIE offers a full range of products, from group thermostatic mixing valves (COMFORT, SECURITY, ECONOMIX models), to smaller sizes designed for fewer points-of-use (COMPACT and NANO models). **There are thus PREMIX solutions for all types of layouts.**

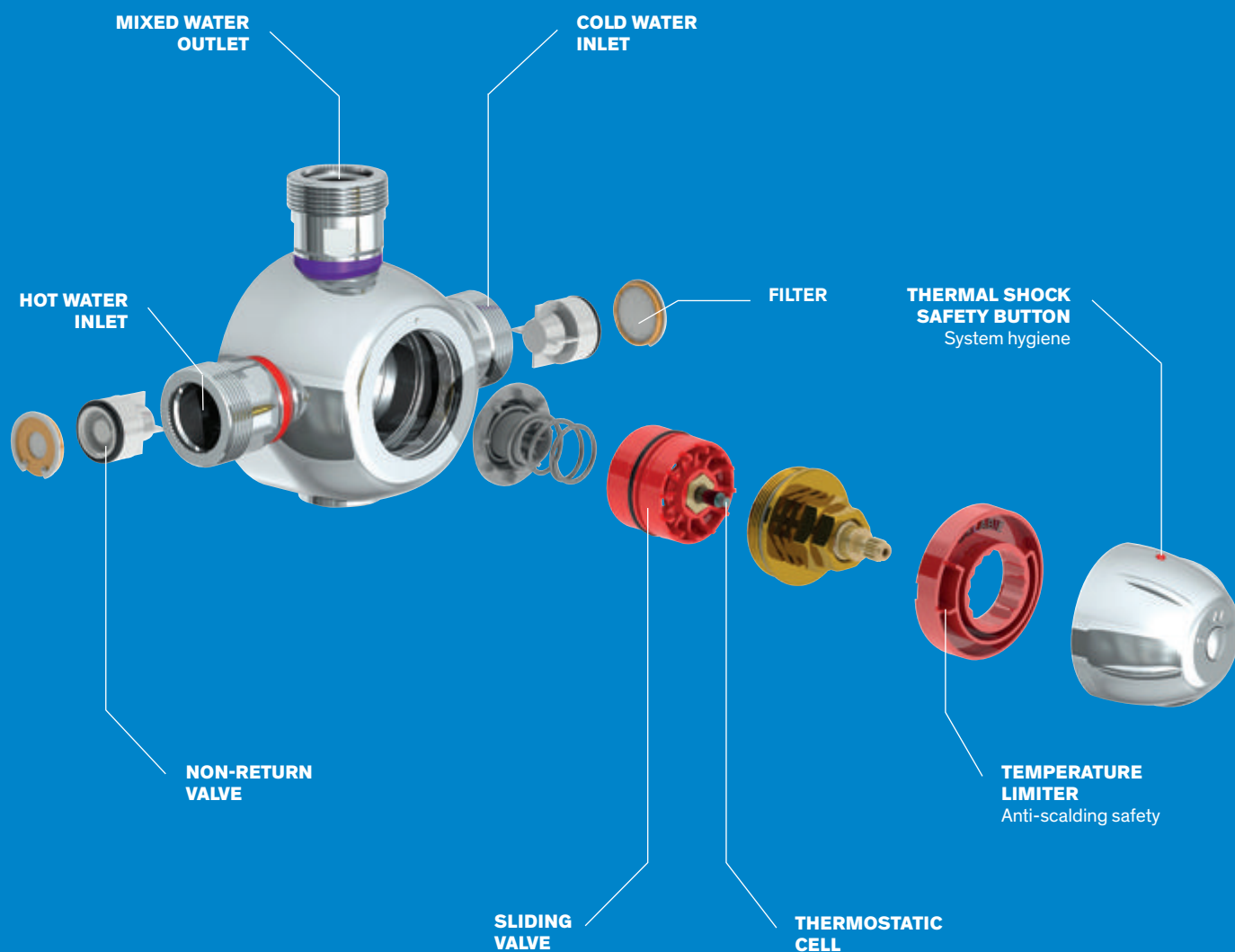
10-year warranty against any manufacturing defects.

OPERATION

The thermostatic cell in the heart of the mixing chamber reacts rapidly to every temperature variation. Constantly in motion, it expands and contracts with changes in the flow rate and temperature to control a sliding valve that opens and closes the hot and cold water inlets.



- As the mixed water temperature rises, the thermostatic cell expands and pushes the sliding valve down. This immediately restricts the passage of hot water and opens the cold inlet.
- As the mixed water temperature falls, the thermostatic cell contracts and the sliding valve is pushed upwards by the balancing spring. It immediately restricts the passage of cold water and opens the hot inlet.
- If there is a cold water supply failure, the thermostatic cell expands instantly and the sliding valve closes the hot water inlet. The hot water flow is stopped within 3 seconds preventing the user from being scalded.



Normal or low frequency of simultaneous use:

The following formula is recommended as a means of determining the simultaneity coefficient

$$\frac{0,8}{\sqrt{x-1}}$$

(x represents the number of points-of-use)

High-frequency of simultaneous use (public places):

DELABIE recommends using the following formula to determine the simultaneity coefficient:

$$\frac{2}{\sqrt{x-1}}$$

(x represents the number of points-of-use)

Exceptionally high-frequency:

Use of coefficient 1 for up to 15 points-of-use.

The choice of PREMIX thermostatic mixing valve depends upon the installation type, the frequency of simultaneous use (coefficient), the number of points-of-use, and the dynamic water pressure at the PREMIX inlets. To select the appropriate PREMIX for an installation, it is necessary to calculate the design corrected flow rate.

1. DETERMINING THE COEFFICIENT OF SIMULTANEOUS USE

It depends on type of site (public and commercial places) and number of points-of-use to supply.

Number of taps and valves to be connected	Simultaneity coefficient	
	High simultaneity frequency	Normal/low simultaneity frequency
	Sport stadia, schools, boarding schools, camp sites, etc.	Hospitals, hotels, offices, apartment blocks, social housing, etc.
1 - 5	1	1
5 - 10	1	0.5
10 - 15	0.6	0.3
15 - 25	0.5	0.3
25 - 40	0.4	0.2
40 - 60	0.3	0.15
More than 60	0.2	0.1

2. CALCULATING GROSS FLOW RATE

The expected flow rate depends on operating flow rate for each type of outlet (refer to manufacturer's data sheets for tap and valve flow rates).

	Flow rate	Number of fittings	Total gross flow rate
DELABIE time flow basins	3 lpm	x ...	= ...
DELABIE time flow showers	6 lpm	x ...	= ...
Basin, sink, shower, bidet	12 lpm	x ...	= ...
Bath tub	20 lpm	x ...	= ...
TOTAL GROSS FLOW RATE for all points-of-use			

3. CALCULATING THE DESIGN FLOW RATE

To supply installation branch.

Total gross flow rate	X	Simultaneity coefficient	=	Design corrected flow rate for mixed water
-----------------------	----------	--------------------------	----------	--

4. SIZING THE APPROPRIATE PREMIX

The choice depends on the design corrected flow rate and pressure loss.

1. Select the PREMIX size depending on design corrected flow rate for mixed water in the system.
2. Check the PREMIX pressure loss.
Having established dynamic pressures at the thermostatic mixing valve inlet and the required residual pressure for supplying the installation, select the model chosen based on the associated pressure drop.

Example:

For a 50 lpm design flow rate:

The PREMIX ¾" records a 2.4 bar pressure loss as opposed to 0.9 bar for the PREMIX 1".

NB: When supply pressure is 3 bar (recommended), pressure loss should not exceed 1 bar.

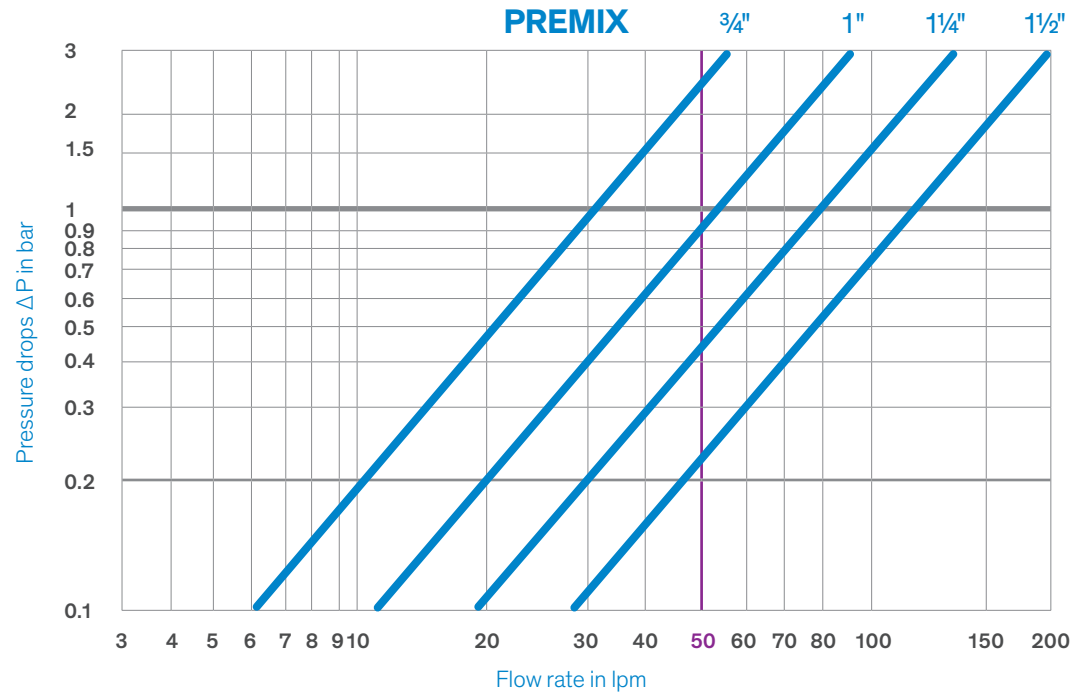


Chart of PRESSURE LOSSES:

Dynamic pressure drop when operated under varying flow rates.

REMINDER: Check pipework pressure losses (e.g. different floor levels, extended supply pipes, etc.). See chapter "Sanitary technical data" (page 248).

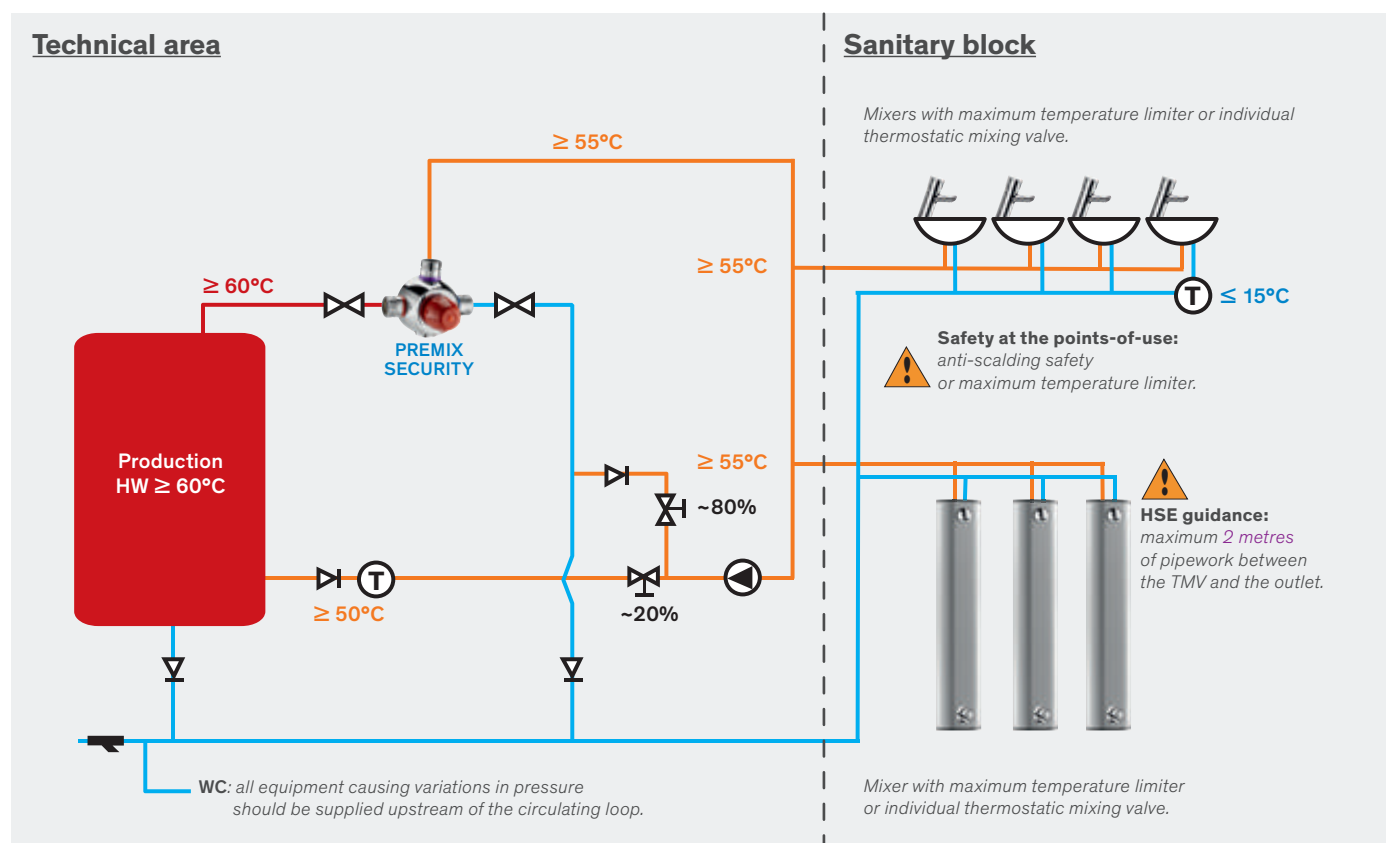
Due to the diversity of fittings possible, this information is not contractual and is for guidance only. The designer remains responsible for determining the best simultaneity coefficient and TMV model.

Circulating loop with PREMIX SECURITY and points-of-use WITH maximum temperature limiter

PREMIX SECURITY enables the sanitary hot water **circulating loop to be maintained** at a constant temperature $\geq 50^{\circ}\text{C}$ (recommended at 55°C), which **reduces heat loss** (15% energy savings) and **prolongs the life of the system**.

- Points-of-use supplied at 50°C or more equate to an increased risk of scalding.
- The HSE guidance HSG 274 Part 2 (2014) restricts the maximum temperature at the hot water outlet to $< 41^{\circ}\text{C}$.

To guarantee safety, all DELABIE is mixers (thermostatic, electronic or time flow) which are used at the point-of-use are fitted with a maximum temperature limiter, which can be adjusted by the installer.



GUIDANCE FOR A QUICK SELECTION OF PREMIX WITH DELABIE WATER CONTROLS

PREMIX	Flow rate at 3 bar pressure loss	Recommended operating range	High simultaneous use		Normal simultaneous use	
			Number of taps and valves	Simultaneity coefficient	Number of taps and valves	Simultaneity coefficient
¾"	55 lpm	10 - 45	Up to 6	1	Up to 6	1
1"	90 lpm	20 - 70	Up to 12	1	Up to 16	0.3
1¼"	140 lpm	30 - 110	Up to 25	0.5 - 0.7	Up to 50	0.15
1½"	190 lpm	40 - 150	Up to 40	0.4 - 0.6	Up to 100	0.1

High simultaneous use: sports stadia, swimming pools, schools, boarding schools, campsites, etc.

(DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; average use 5 lpm).

Normal simultaneous use: hospitals, hotels, offices, apartment blocks, social housing, etc.

(DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; sinks 12 lpm; baths 20 lpm; average use 12 lpm).



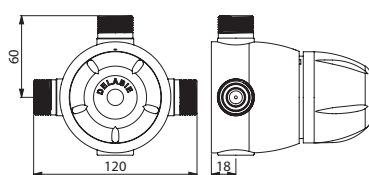
- **Automatic anti-scalding safety:** automatic shut-off if cold water supply fails
- **Comfort:** temperature stability regardless of variations in pressure, flow rate or temperature in the system
- **Solution against Legionnaires' disease:** complies with the UK HSE technical guidance "HSG274 Part 2" in 2014
- **Installation:** at the hot water system outlet (HW)

PREMIX SECURITY

Group thermostatic mixing valve for circulating loops 44 - 58°C



- **Anti-scalding safety.**
- **Regulates temperature variations.**
- **Filters and non-return valves can be accessed from the outside without removing the mechanism.**
- **Thermal shocks are possible.**
- **Interchangeable cartridge with thermostatic cell.**
- High-resistance chrome-plated brass body.
- Maximum hot water temperature: 85°C.
- Differential hot water / mixed water: 15°C minimum.
- Pressure differences at the inlets: 1 bar maximum (0.5 bar recommended).
- Minimum pressure / maximum: 1 - 10 bar (1 - 5 bar recommended).
- Left hand side hot water inlet (red ring) and right hand side cold water inlet (blue ring).
- Mixed water outlet at the top (purple ring).
- For bottom outlet: unscrew / place blanking cap at the top and outlet connector at the bottom.
- **15% energy savings:** heat loss minimised (comparison between a circulating loop at 55°C and a non-circulating system at 70°C).
- **Safety and increased system lifespan**
(Hot water at >65°C leads to premature ageing within the system).
- **Maximum temperature limiter, can be adjusted by the installer.**
- **Reduced risk of scalding by reducing the temperature at the production outlet.**



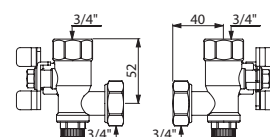
731052

Additional fitting



Angled isolating valve:

- Ball valve with filter and test point
(to connect pressure and temperature gauges).



730802.2P

Angled isolating valve

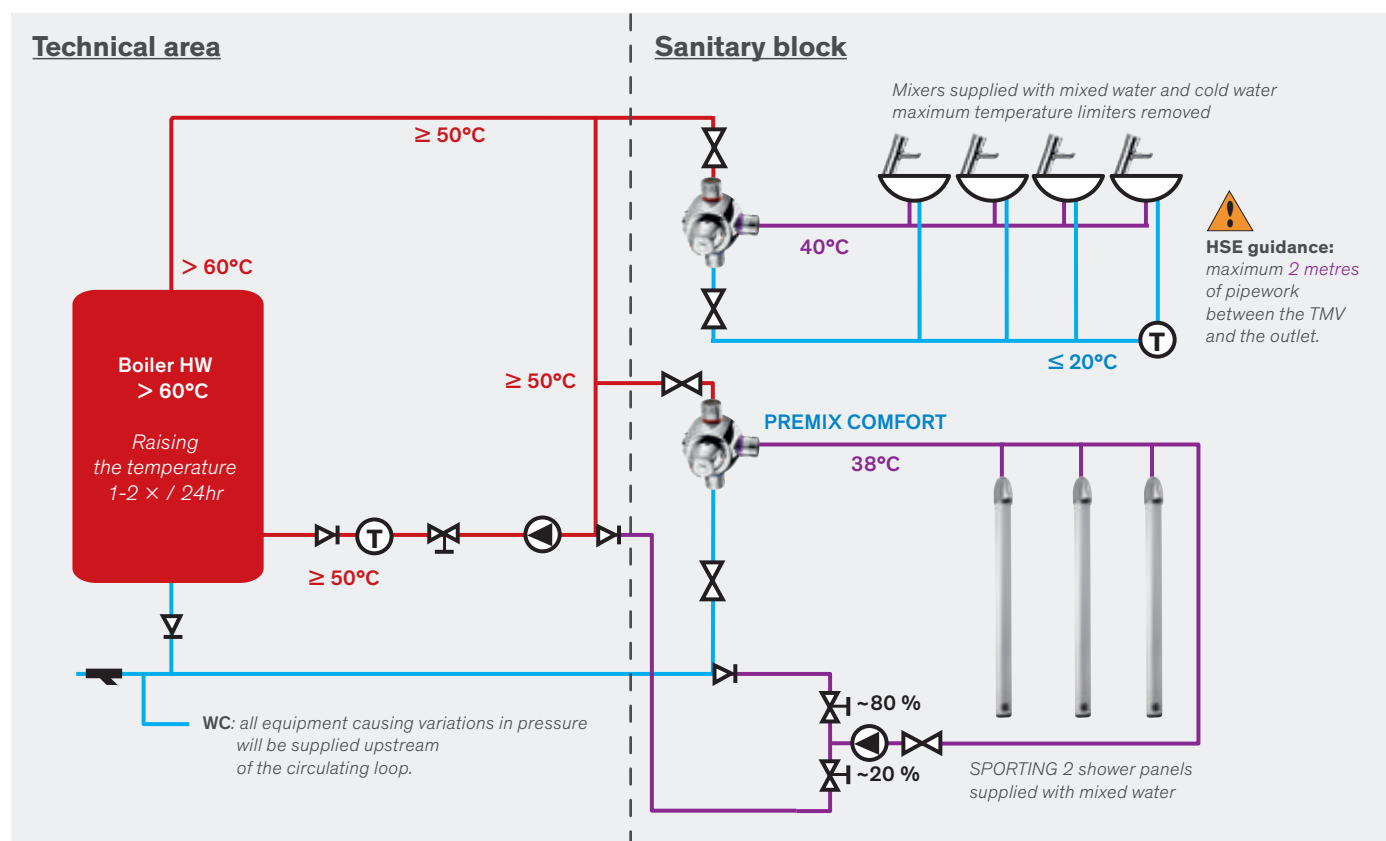
FF 3/4" for PREMIX 3/4"	730802.2P
F 3/4" - F1" for PREMIX 1"	730803.2P
F1" - F1 1/4" for PREMIX 1 1/4"	730804.2P

Description	Dimensions			Reference
	W	H	D	
PREMIX SECURITY 55, M 3/4"	120	60	18	731052
PREMIX SECURITY 90, M1"	160	80	23	731053
PREMIX SECURITY 140, M1 1/4"	180	90	26	731054
PREMIX SECURITY 190, M1 1/2"	196	98	26	731055

Circulating loop PREMIX COMFORT and points-of-use WITHOUT maximum temperature limiter

PREMIX COMFORT reduces the risk of scalding by limiting the temperature at the points-of-use: mixed water supply < 41°C.

- The points-of-use do not have a temperature limiter.
- The HSE advises that long pipe runs between TMVs and outlets should be avoided and should not exceed 2 metres in length.



GUIDANCE FOR A QUICK SELECTION OF PREMIX WITH DELABIE WATER CONTROLS

PREMIX	Flow rate at 3 bar pressure loss	Recommended operating range	High simultaneous use		Normal simultaneous use	
			Number of taps and valves	Simultaneity coefficient	Number of taps and valves	Simultaneity coefficient
3/4"	55 lpm	10 - 45	Up to 6	1	Up to 6	1
1"	90 lpm	20 - 70	Up to 12	1	Up to 16	0.3
1 1/4"	140 lpm	30 - 110	Up to 25	0.5 - 0.7	Up to 50	0.15
1 1/2"	190 lpm	40 - 150	Up to 40	0.4 - 0.6	Up to 100	0.1

High simultaneous use: sports stadia, swimming pools, schools, boarding schools, campsites, etc.
(DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; average use 5 lpm).

Normal simultaneous use: hospitals, hotels, offices, apartment blocks, social housing, etc.
(DELABIE basin taps 3 lpm; DELABIE showers 6 lpm; sinks 12 lpm; baths 20 lpm; average use 12 lpm).



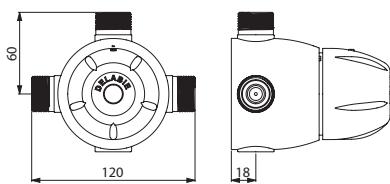
- **Automatic anti-scalding safety:** automatic shut-off if cold water supply fails
- **Comfort:** temperature stability regardless of variations in pressure or flow rate in the system
- **Solution against Legionnaires' disease:** complies with the UK HSE technical guidance "HSG274 Part 2" in 2014
- **Installation:** upstream of point-of-use

PREMIX COMFORT

Group thermostatic mixing valve for mixed water 32 - 42°C



- **Anti-scalding safety.**
- **Regulates temperature variations.**
- **Filters and non-return valves can be accessed from the outside without removing the mechanism.**
- **Thermal shock with no specific lever needed** (push-button on the control knob).
- **Interchangeable cartridge with automotive cell.**
- High-resistance chrome-plated brass body.
- Maximum hot water temperature: 85°C.
- Differential hot water / mixed water: 15°C minimum.
- Pressure differences at the inlets: 1 bar max. (0.5 bar recommended).
- Minimum pressure / maximum: 1 - 10 bar (1 - 5 bar recommended).
- Left hand side hot water inlet (red ring) and right hand side cold water inlet (blue ring).
- Mixed water outlet at the top (purple ring).
- For bottom outlet: unscrew / place blanking cap at the top and outlet connector at the bottom.
- **Maximum temperature limiter, can be adjusted by the installer.**
- **Reduced risk of scalding by reducing the temperature at the point-of-use.**
- Available in 2 sizes to replace the common existing models (standard exchange).



731002

Description	Dimensions			Reference
	W	H	D	
PREMIX COMFORT 55, M $\frac{3}{4}$ "	120	60	18	731002
PREMIX COMFORT 90, M1"	160	80	23	731003
PREMIX COMFORT 140, M1 $\frac{1}{4}$ "	180	90	26	731004
PREMIX COMFORT 190, M1 $\frac{1}{2}$ "	195	98	26	731005
PREMIX COMFORT T2, M $\frac{3}{4}$ "	120	81	18	731200
PREMIX COMFORT T3, M1"	146	95	23	731300
PREMIX COMFORT T4, M1 $\frac{1}{4}$ "	180	107	26	731400
PREMIX COMFORT T5, M1 $\frac{1}{2}$ "	218	129	26	731500

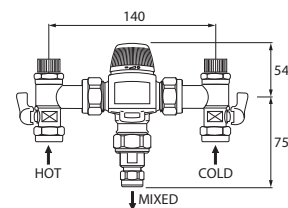
Option: Isolating valves (see page 137)

ECONOMIX

Thermostatic mixing valve



- **For up to 4 taps or 3 showers** (depending on model).
- **Anti-scalding safety:** immediate shut-off if hot or cold water supply fails.
- Temperature pre-set at 43°C.
- **Non-return valves and stainless steel mesh strainers included on Combi model.**
- Minimum flow rate to operate: 4 lpm.
- Recommended pressure: 0.2 - 5 bar.
- **Thermal shocks are possible.**



993615

ECONOMIX

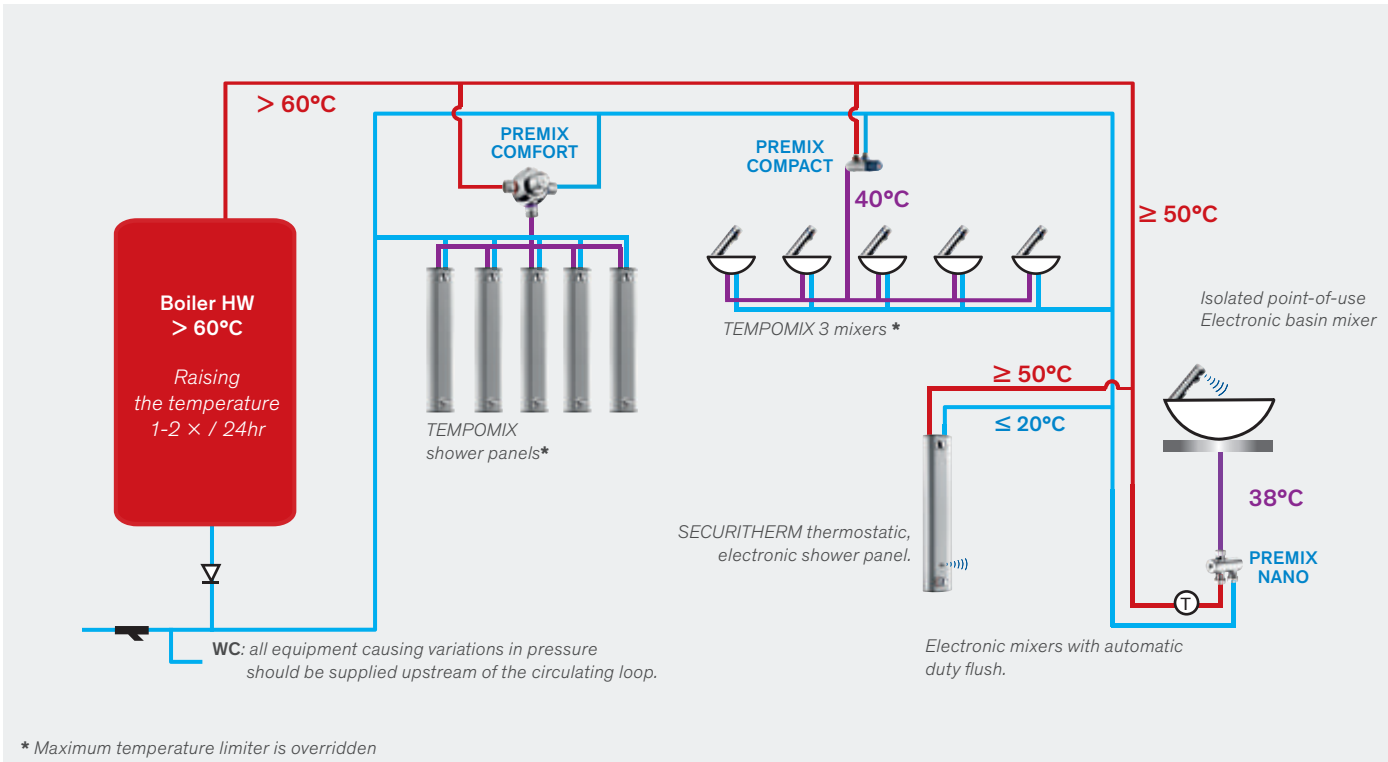
Combi 15mm 15/3 with angle lever ball valves	993615
Standard 15mm 15/3	983615

No circulating loop, PREMIX COMFORT, COMPACT or NANO and duty flush system

In installations where there is no circulating loop, stagnating water at temperatures below 50°C can cause Legionella bacteria to develop. In older installations where a circulating loop is not possible, we recommend the solution below to combat bacterial proliferation.

Solutions:

- PREMIX COMFORT, COMPACT or NANO to lower the temperature of the water at the points-of-use to a maximum of 41°C (HSG 274 Part 2, 2014).
- DELABIE electronic mixers, taps or valves with automatic duty flush can be installed at the extreme end of each distribution arm (as a minimum) to prevent any bacterial development: automatic duty flush for ~60 seconds every 24 hours after the last use.



PREMIX COMFORT

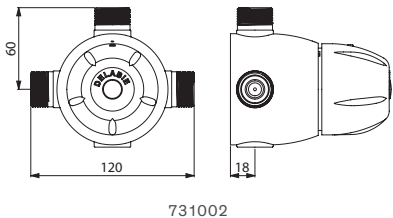
Group thermostatic mixing valve for mixed water supply 32 - 42°C



- **Anti-scalding safety.**
- **Regulates temperature variations.**
- Filters and non-return valves can be accessed from the outside without removing the mechanism.
- **Thermal shock with no specific lever needed** (push-button on the control knob).
- Interchangeable cartridge with automotive cell.
- **Maximum temperature limiter, can be adjusted by the installer.**
- **Reduced risk of scalding by reducing the temperature at the point-of-use.**

For more information and models of PREMIX COMFORT see page 139.

Description	Dimensions			Reference
	W	H	D	
PREMIX COMFORT 55, M¾"	120	60	18	731002
PREMIX COMFORT 90, M1"	160	80	23	731003
PREMIX COMFORT 140, M1¼"	180	90	26	731004
PREMIX COMFORT 190, M1½"	195	98	26	731005





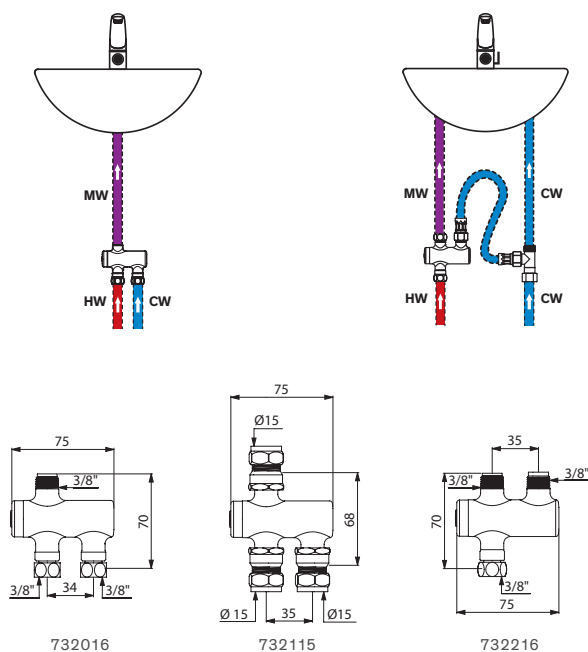
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails
- **Comfort:** regulates temperature variations for a stable temperature at the point-of-use
- **Installation:** upstream of the taps and valves

PREMIX NANO

Thermostatic mixing valve with mixed water 34 - 60°C



- **For 1 - 2 taps or 1 shower.**
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Temperature pre-set at 38°C, can be adjusted by the installer 34 - 60°C.
- Brass body.
- **Filters and non-return valves.**
- Minimum flow rate to operate: 3 lpm.
- **Thermal shocks are possible.**



PREMIX NANO

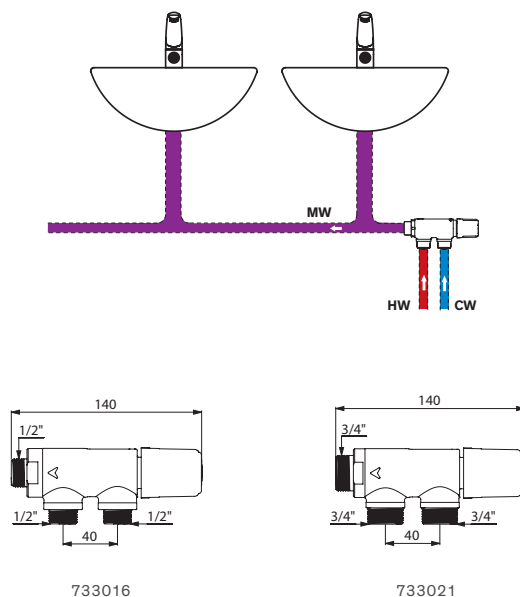
Nickel-plated body, inlets F $\frac{3}{8}$ " and outlet M $\frac{3}{8}$ "	732012
Polished chrome body, inlets F $\frac{3}{8}$ " and outlet M $\frac{3}{8}$ "	732016
Nickel-plated body M $\frac{1}{2}$ ", 15mm	732115
Polished chrome body M $\frac{1}{2}$ ", 15mm	732116
Polished chrome body, HW inlet F $\frac{3}{8}$ ", CW inlet M $\frac{3}{8}$ ", MW outlet M $\frac{3}{8}$ "	732216
Polished chrome body, HW inlet F $\frac{3}{8}$ ", CW inlet M $\frac{3}{8}$ ", MW outlet M $\frac{3}{8}$ " + connection kit $\frac{3}{8}$ "	732230

PREMIX COMPACT

Thermostatic mixing valve with mixed water 30 - 60°C



- **For 2 - 10 sanitary points-of-use (depending on the flow rate).**
- **Anti-scalding safety:** automatic shut-off if cold or hot water supply fails.
- Adjustable temperature 30 - 60°C, can be blocked by the installer.
- Brass body.
- **Filters and non-return valves.**
- Minimum flow rate to operate: 5 lpm.
- **Thermal shocks are possible.**



M $\frac{1}{2}$ " for 2 - 7 taps

Nickel-plated body and blue control cap	733015
Chrome-plated body and control cap	733016

M $\frac{3}{4}$ " for 2 for 10 taps

Nickel-plated body and blue control cap	733020
Chrome-plated body and control cap	733021



Urinals

ELECTRONIC
CONTROLS
145



HYBRID
SOLUTIONS
156



TIME FLOW
CONTROLS
159



ADDITIONAL
FITTINGS
170



RECOMMENDATIONS
174



HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic activation with no manual contact

DELABIE's electronic controls are operated by active infrared detection. The urinal valve flushes automatically when the user leaves.

No manual contact prevents the spread of germs by hand.

Hygienic duty flush

• Preventing vacuums in the trap

The duty flush programme renews the water in the trap, preventing vacuums and eliminating unpleasant odours.

• Anti-bacterial proliferation

If a urinal valve is not used for prolonged periods of time, water stagnates in the pipework, which favours the development of bacteria (e.g. isolated points-of-use, facilities closed during holidays, etc.).

An automatic flush takes place every 24 hours after the last use (programmable on some models).

Reduced-stagnation solenoid valve

Most solenoid valves are fitted with a rubber membrane behind which water stagnates and is not renewed. This can lead to bacterial proliferation.

DELABIE has developed a technology without a membrane (patented system).

With this **piston-operated solenoid valve**, water is drained and renewed with every use **which reduces niches where bacteria can develop**.

The solenoid valve's self-cleaning system with a calibrated groove reduces the build-up of dirt.

Furthermore, its slow closure eliminates water hammer.

Pathogen-free urinal valves

DELABIE guarantees that its urinal valves will be delivered free from pathogenic bacteria.

For more information see page 4.

Technical characteristics

Operating pressure	1 - 5 bar, 3 bar recommended
Electrical supply*	230V / 50 Hz class II (without earth connection)
Electronic unit*	Independent or integrated
6V Lithium battery*	123 or 223 standard battery Average lifespan ~350,000 cycles or 3 - 6 years
Duty Flush programme can be adjusted*	OFF or 60 seconds 24 hours after last use
CE	Complies with European Directives CEM 2014/30/UE and BT 2014/35/UE

* Depending on model

10-year warranty against any manufacturing defects.

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Optimised space and time

Two urinals can easily replace one WC. This meets the needs of public and commercial facilities where space is an issue. As they are used standing up, the usage time for urinals is shorter, meaning that there is a higher turnover of users.

Resistant to intensive use and vandalism

DELABIE's controls are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The urinal valve bodies are made from chrome-plated metal, fitted with **shock-resistant** mechanisms and sensors. The **reinforced fixings** will stand up to intensive use. **Streamlined designs** discourage attempts at vandalism.

For areas that require tamperproof installations, there are recessed and cross wall versions which have mechanisms that cannot be accessed by the user.

Easy to install

DELABIE's products are **easy to install and adjustments are kept to a minimum** in order to save time during installation.

• Independent electronic control unit, 12V mains: TEMPOMATIC models

The presence detection distance and the duty flush settings can be adjusted using this unit.

• Electronic unit, solenoid valve and battery integrated in the body of the urinal valve: TEMPOMATIC 3 and 4 exposed models

Can be installed on any isolated point-of-use, for new builds as new as renovation.

There are no electrical connections required.

Simply connect the flexibles to the supply pipes in the same way as for a conventional urinal valve.

No special adjustment is necessary; the urinal valve is ready to operate independently for 3 to 6 years.

A red LED will flash for 15 days to indicate that the battery life is low. The battery can be changed without shutting off the water supply or removing the urinal valve.

• Electronic unit integrated into the plate: TEMPOMATIC 4 recessed models

The choice of rinsing programme is made via the back of the wall plate. For the battery-operated models, batteries can be changed without shutting off the water supply or removing the urinal valve.

Reliable presence detection

DELABIE has chosen the most reliable detection system: **infrared active pulse**. It cannot be adjusted or affected by variations in light levels. On battery-operated models, the infrared beam **adapts automatically**, to ensure optimised detection.

Minimal servicing and simple to maintain

The **scale-resistant** solutions and the filters ensure minimal servicing. Maintenance is easier.

The **spare parts** are **standardised** to ensure quick and easy replacement by the maintenance staff. Direct access to the components without having to remove the valve.



Hygiene and controlling bacterial proliferation



Reduced-stagnation solenoid valve



Vandal-resistant

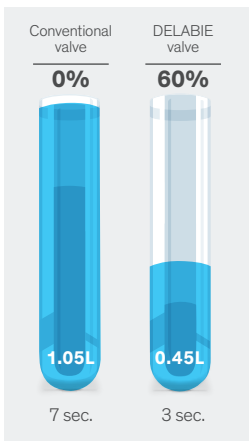




Optimised time flow



Discover our water savings video



Water savings per use

60% WATER AND ENERGY SAVINGS

A smaller rinsing area
Due to the smaller bowl size, a urinal uses up to 6 times less water than a WC pan.

Optimised time flow
DELABIE's urinal valves are more economical in terms of water than most of the valves available on the market. Time flow is set at 3 seconds instead of the usual 7 seconds, resulting in up to 60% water consumption savings whilst maintaining appropriate hygiene levels.

Efficiency
With a minimum flow rate of 0.15 L/sec. for 3 seconds, the water volume is 45cl which is enough to renew the water in a conventional trap. This consumption can even be optimised thanks to models with a high-frequency mode (TEMPOMATIC 4). The flow rate can be adjusted thanks to the stopcock.

Energy savings
DELABIE's electronic controls do not require much energy to operate. DELABIE has chosen infrared active pulse technology, a low-power consumption solution. The infrared beam is emitted intermittently, saving energy while ensuring effective detection. The battery-operated electronic models have an average lifespan of 350,000 cycles (i.e. 3 to 6 years) depending on the frequency of use. The Lithium batteries are widely available, affordable and recyclable.

Environmental labels
The water and energy saving performance of DELABIE's electronic valves means that the buildings achieve the highest performance standards for international rating schemes such as BREEAM, LEED, HQE, or ESTIDAMA. For more information see page 8.

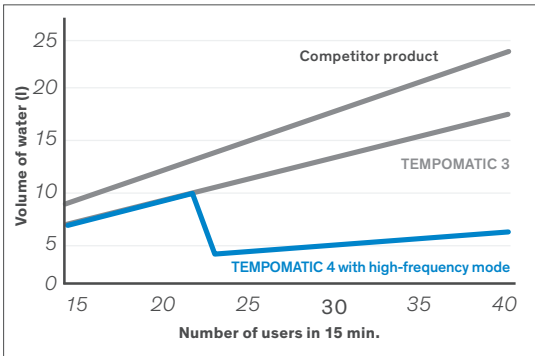
THE HIGH-FREQUENCY MODE: AN "INTELLIGENT" AND ADAPTABLE SOLUTION

DELABIE has developed an "intelligent" urinal valve able to detect high-frequency periods and to adapt its rinse accordingly. These high-use periods occur in places such as concert halls, stadia, theatres, schools, etc.

During peak periods, only the bowl is rinsed between two users, reducing the water volume. At the end of the busy period, a complementary rinse takes place to rinse the bowl completely and renew the water in the trap.

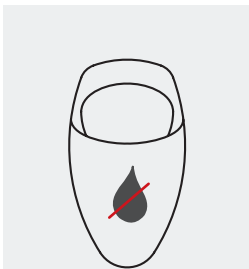
The TEMPOMATIC 4 offers three rinsing modes according to the type of urinal. It also includes a stopcock and a flow rate adjuster.

Water consumption comparison



Water consumption optimisation according to urinal type

	Short rinse	Additional rinse
Programme 1 (Standard urinal)	2 seconds	2 seconds
Programme 2 (Siphon urinal)	2 seconds	4 seconds
Programme 3 (Siphon action urinal)	3 seconds	8 seconds



WATER-FREE URINALS

Water saving?
"Water-free" urinals have to be rinsed every 2 hours to avoid unpleasant odours. The reality is that they consume 18 to 36 litres of water per day (6 x 3L). Therefore, maintenance staff need to be available.

Ecological?
Occlusive liquid cartridges and sealing fluid bottles create waste and have an unknown impact on the environment.

Economical?
The purchase price of a water-free urinal is high. Running costs are also high (liquids and servicing products). Regular changes of consumables involve substantial manpower.

Hygienic?
Water-free urinals do not rinse the urinal bowl or the pipework. As a result, bacteria stay in the bowl and develop continuously after each use. The build-up of urine can also cause blockages in the pipework.

INFRARED DETECTION
Guaranteed hygiene



6V LITHIUM BATTERY
Average lifespan 3 - 6 years (~350,000 cycles)
Replace without removing the valve or shutting off the water



INTEGRATED ELECTRONIC UNIT PROTECTED BY A WATERPROOF CAP
Easy to maintain



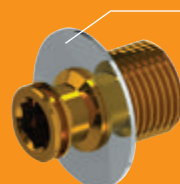
REDUCED-STAGNATION SOLENOID VALVE (patented)
Reduced build-up of dirt deposits and bacterial development
Slow closure with no water hammer



CHROME-PLATED METAL BODY
Vandal-resistant



VALVE CAN BE DISCONNECTED FROM INLET SUPPLY
Simple to maintain



STOPCOCK AND FLOW RATE ADJUSTER IS HIDDEN FROM THE USER
Easy to maintain



- **Water savings:** high-frequency mode, 3 available programmes
- **Hygiene:** systematic individual rinsing with no manual contact, hygienic duty flush, reduced-stagnation solenoid valve
- **Easy to install:** electronic system integrated into the body of the urinal valve
- **Easy to replace the battery:** after 3 - 6 years, without removing the urinal valve or shutting off the water

TEMPOMATIC 4

Exposed electronic urinal valve with integrated battery



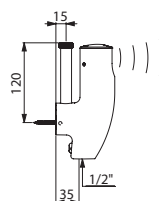
- **Battery-operated with integrated 223 6V Lithium battery.**
- For wall-mounted, exposed installation.
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the urinal valve.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **3 programmes** (rinse volume can be set according to the type of urinal).
- **High-frequency mode** (exclusive to DELABIE):
 - Short rinse after each user
 - Additional rinse at the end of the busy period.
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Flow rate 0.25 L/sec. at 3 bar, can be adjusted.
- **Integrated stopcock and flow rate adjuster.**
- One-piece chrome-plated metal body.
- M1/2" connection.

Ideal for replacing old installations:

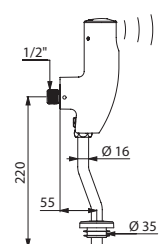
Can easily be installed where there was previously a time flow urinal valve.

"The jury was seduced by the high-frequency mode which allows the administrator to reduce water consumption, whilst ensuring maximum hygiene for the user."

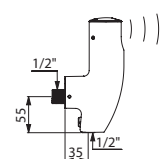
Les Trophées du négoce (Industry awards) 2016 - Le Moniteur
(French construction industry magazine)



479406



479407



479408

TEMPOMATIC 4 exposed urinal valve

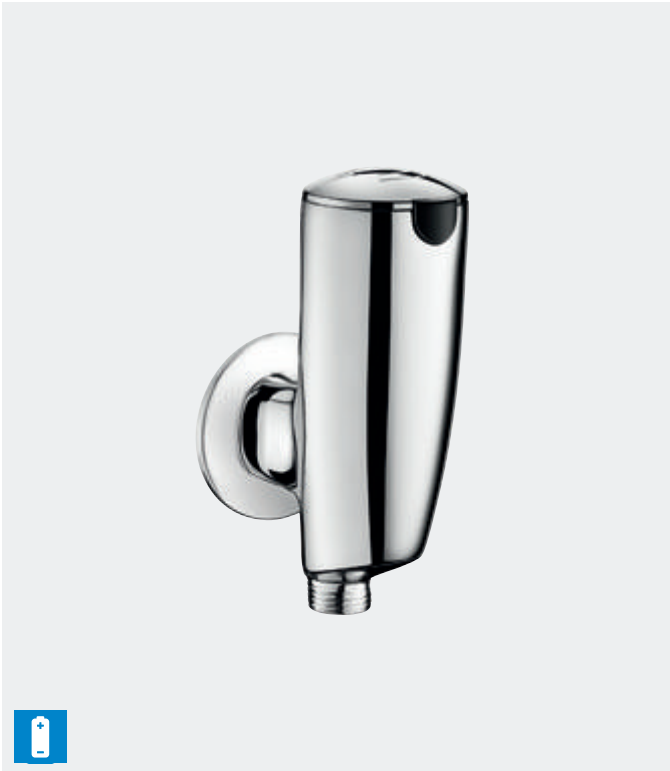
In-line (outlet M1/2")	479406
Angled with neck tube and connection washer Ø 35mm	479407
Angled (outlet M1/2")	479408



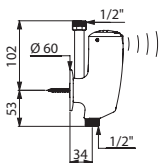
- **Water savings:** 60%
- **Hygiene:** systematic individual rinsing with no manual contact, hygienic duty flush

TEMPOMATIC 3

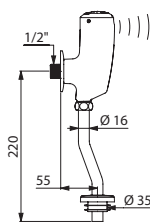
Exposed electronic urinal valve with integrated battery



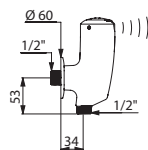
- **Battery-operated with integrated 223 6V Lithium battery.**
- For wall-mounted, exposed installation.
- **Electronic elements integrated** into the body of the urinal valve.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **Time flow 3 seconds.**
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- **Integrated stopcock and flow rate adjuster.**
- One-piece chrome-plated metal body.
- M $\frac{1}{2}$ " connection.



479006



479007



479008

TEMPOMATIC 3 exposed urinal valve

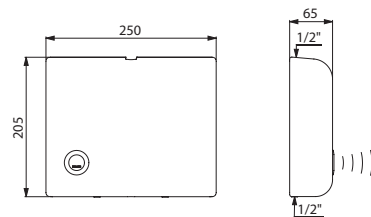
In-line (outlet M $\frac{1}{2}$ ")	479006
Angled with neck tube and connection washer Ø 35mm	479007
Angled (outlet M $\frac{1}{2}$ ")	479008

TEMPOMATIC

Exposed electronic urinal valve with mains supply



- **Mains supply,** electronic control unit 12V, solenoid valve, stopcock and flow rate adjuster M $\frac{1}{2}$ ".
- For wall-mounted, exposed installation.
- White powder-coated stainless steel wall box.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 3 seconds.**
- **Automatic pre-rinse** is possible.
- **Time flow 3 seconds,** can be adjusted from 3 - 12 seconds.
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- Straight for in-line inlets.



477000

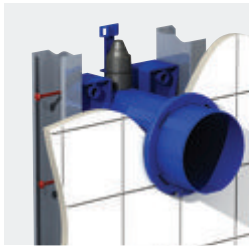
TEMPOMATIC exposed urinal valve

477000

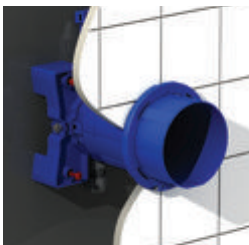
We recommend a 230/12V transformer (see page 155)

TEMPOMATIC 4 RECESSED: 100% WATERPROOF RECESSING HOUSING, MODULAR AND ADAPTABLE

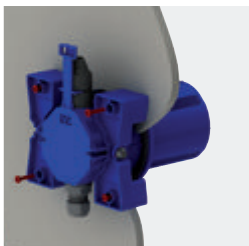
**One product
for all types of installation**
(adjustable fins)



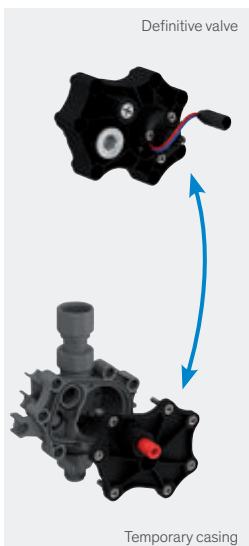
Plasterboard rails



Solid walls



Panels



Secure system flush

Water savings

Thanks to its optimised flow rate and time flow, the TEMPOMATIC 4 rinse provides just the necessary flush volume and, therefore, the best compromise between water consumption and efficacy. It also features the **high-frequency mode**.
For more information see page 146.

Hygiene

The TEMPOMATIC 4 recessed urinal flush rinses automatically after each user leaves. No manual contact prevents the spread of germs by hand. The **hygienic duty flush** prevents bacterial proliferation and the problem of vacuums. The TEMPOMATIC 4 is supplied with a **reduced-stagnation solenoid valve**.
For more information see page 145.

Design

The TEMPOMATIC 4 wall plate has a **timeless design**, available in bright polished, satin, black or white finish. Compact and discreet, it fits perfectly in any type of public and commercial building. Its smooth surface limits the build-up of dirt and facilitates cleaning.

This new concept combines **design and functionality**: the electronics are integrated directly in the wall plate.

Quick and easy to install

There are multiple installation options for the housing: fixing via the sides onto **plasterboard rails**, from the front on to a **solid wall**, or from the rear onto a **panel**.

The cut-to-size housing is the only product available that **can adjust to thick walls as well as thin partition walls**. It can be installed on walls up to 120mm: bricks or concrete blocks for commercial installations subject to high levels of vandalism.

The TEMPOMATIC 4 recessed urinal connects from the outside of the housing to a standard installation or a "pipe-in-pipe" connection.

Secure system flush

During commissioning, the sensitive elements (solenoid valve, filter and stopcock) are replaced by a temporary casing to facilitate and **secure the system flush**.

Waterproof recessing

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and collar. DELABIE has developed a housing that can be cut to size in front of the collar, which ensures a **perfect seal**. The **waterproof seal is integrated into the collar**. The installer does not need to apply anything else (silicone, jointing compound, PTFE, etc.). The housing has notches to clip the collar onto and fix it in place easily (patented system).

Minimal servicing and simple to maintain

The solenoid valve, filter and stopcock are all **accessible from the front**. Simply remove the wall plate to gain access.

A red LED will flash for 15 days to indicate that the battery life is low. Since the batteries are housed inside the wall plate, they can be changed **without shutting off the water supply or removing the urinal valve**.

Maintenance is quick and simple thanks to pre-assembled spare parts.

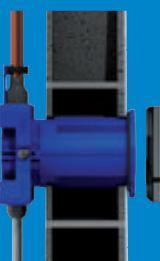
The TEMPOMATIC 4 is suitable for grey water and sea water.

The urinal valve can be disconnected and removed from the inside, without removing the housing, if the urinal valve requires in-depth maintenance or protecting from frost.

Ecological

The materials used to make the TEMPOMATIC 4 are 100% recyclable.

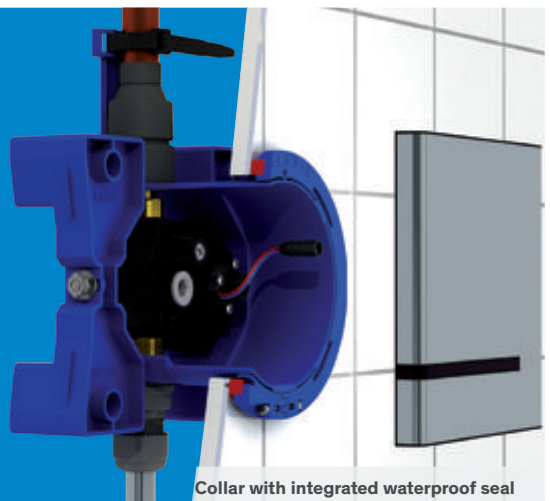
ADJUSTABLE, WATERPROOF HOUSING



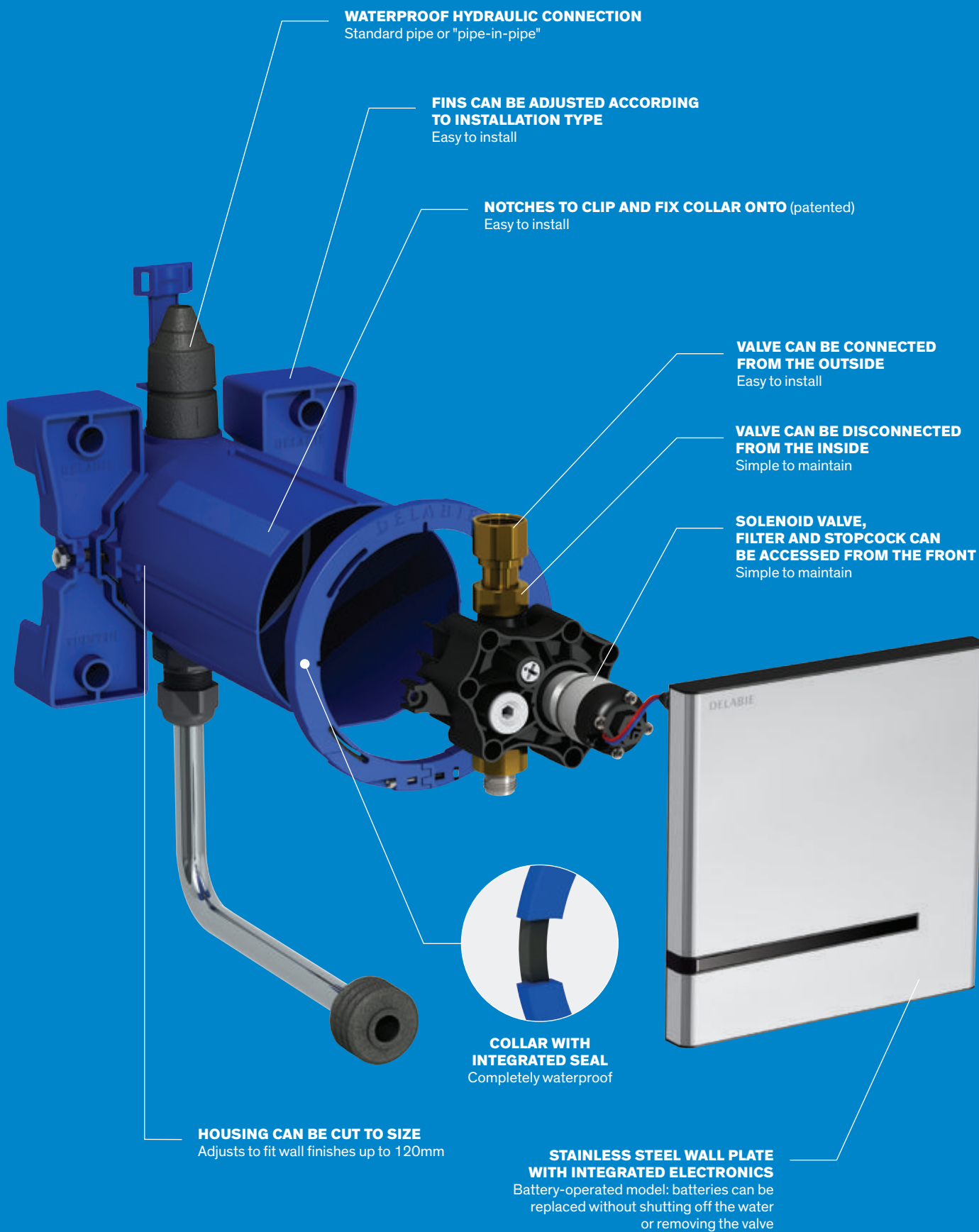
Thick wall finish
Max. 120mm



Narrow wall finish
Min. 10mm



Collar with integrated waterproof seal







- **Water savings:** high-frequency mode, 3 available programmes
- **Hygiene:** systematic individual rinsing with no manual contact, hygienic duty flush, reduced-stagnation solenoid valve
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

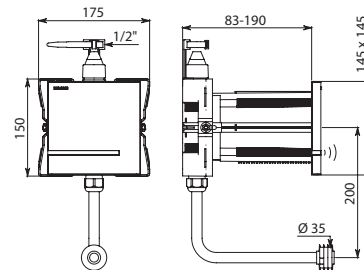
TEMPOMATIC 4

Electronic urinal valve in a waterproof housing



- **Battery-operated with 123 6V Lithium batteries** or **230/6V mains supply** (cable and transformer supplied).
- **Wall plate 145 × 145mm with integrated electronics.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 83mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, filter and solenoid valve are all integrated and accessible from the front.
 - TEMPOMATIC 4 F 1/2" urinal valve is compatible with sea water and grey water.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **3 programmes** (rinse volume can be set according to urinal type).
- **High-frequency mode** (exclusive to DELABIE):
 - Short rinse after each user.
 - Additional rinse at the end of the busy period.
- **Hygienic duty flush** every 24 hours (can be adjusted to 12 hours or OFF) after the last use: prevents vacuums.
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Connection with Ø 35mm connection washer (for standard urinals) or 1/2" brass connection (for urinals supplied by flexible).
- For use with neck tube ref. 752430 or 757430.

For version with TEMPOFOX 3 frame system: see page 211.



430PBOX + 430016 + 752430

TEMPOMATIC 4 urinal valve in a waterproof housing	
Bright polished finish stainless steel 6V battery-operated	430PBOX + 430016
Bright polished finish stainless steel 230V mains supply	430SBOX + 430010
Satin finish stainless steel 6V battery-operated	430PBOX + 430006
Satin finish stainless steel 230V mains supply	430SBOX + 430000
White powder-coated finish stainless steel 6V battery-operated	430PBOX + 430026
White powder-coated finish stainless steel 230V mains supply	430SBOX + 430020
Black glass finish, shock-resistant vitro-ceramic 6V battery-operated	430PBOX + 430036
Black glass finish, shock-resistant vitro-ceramic 230V mains supply	430SBOX + 430030
Ø 35mm neck tube supply for urinals	752430
Neck tube supply for urinals with flexible 1/2"	757430

Alternative: TEMPOMATIC 4 M1/2" (replace 430PBOX with 431PBOX and 430SBOX with 431SBOX)





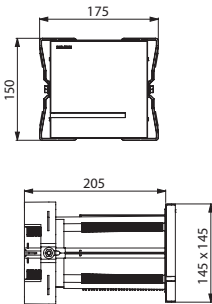
- **Water savings:** high-frequency mode, 3 available programmes
- **Hygiene:** systematic individual rinsing with no manual contact, hygienic duty flush, reduced-stagnation solenoid valve
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOMATIC 4

Electronic urinal valve in a waterproof housing



- **Battery-operated with 123 6V Lithium batteries or 230/6V mains supply** (cable and transformer supplied).
- **Wall plate 145 × 145mm with integrated electronics.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 105mm).
 - Solenoid valve is accessible from the front.
 - TEMPOMATIC 4 F½" urinal valve is compatible with sea water and grey water.
- **Detection delay is 10 seconds.**
- **3 programmes** (rinse volume can be set according to urinal type).
- **High-frequency mode** (exclusive to DELABIE):
 - Short rinse after each user.
 - Additional rinse at the end of the busy period.
- **Hygienic duty flush** every 24 hours (can be adjusted to 12 hours or OFF) after the last use: prevents vacuums.
- Flow rate pre-set at 0.3 L/sec. at 3 bar.



430P006

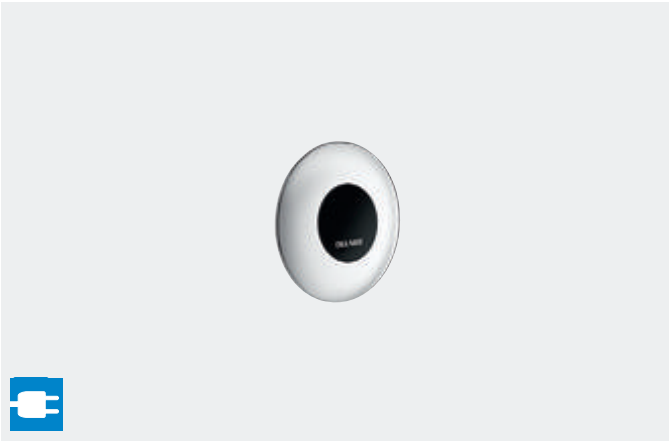
TEMPOMATIC 4 urinal valve in a waterproof housing	
6V battery-operated	430P006
230V mains supply	430S006
We recommend a stopcock	



- **Hygiene:** no manual contact, hygienic duty flush
- **Vandal-resistant:** recessed or cross wall installation

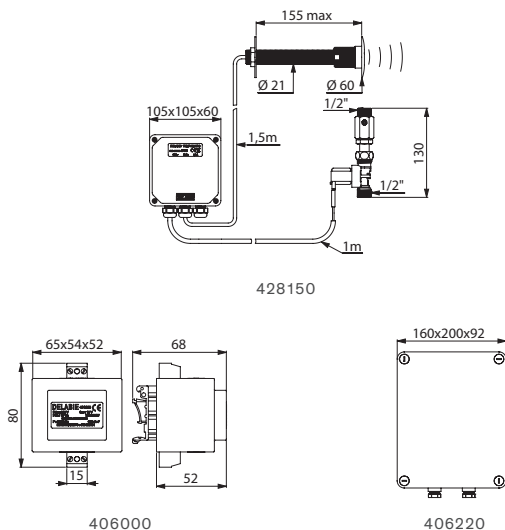
TEMPOMATIC

Cross wall electronic urinal valve



- **Mains supply,** electronic control unit 12V with solenoid valve, filter and stopcock M $\frac{1}{2}$ ".
- For cross wall installation.
- Shock-resistant infrared presence detection sensor.
- **Detection distance, time flow and flow rate can be adjusted** during installation.
- We recommend a 230/12V transformer (see below).
- **Detection delay is 3 seconds.**
- **Automatic pre-rinse** is possible.
- **Time flow 3 seconds,** can be adjusted from 3 - 12 seconds.
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.

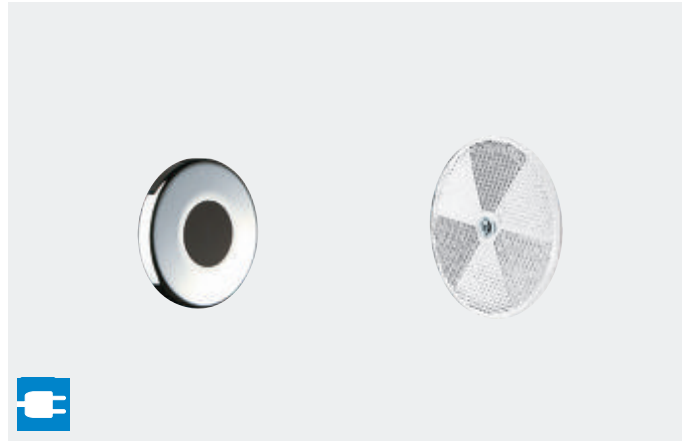
For version with TEMPOFIX 3 frame system: see page 212.



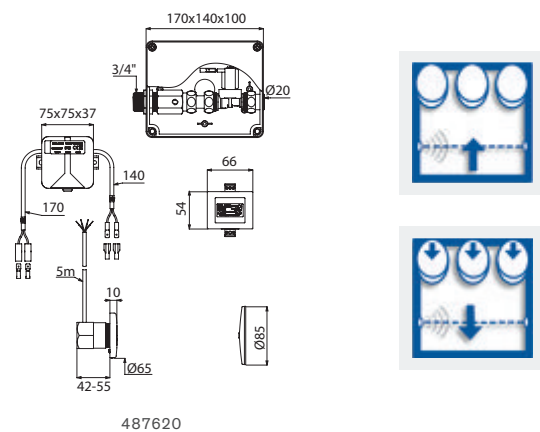
TEMPOMATIC cross wall urinal valve	
For walls ≤ 155mm	428150
For walls ≤ 225mm	428200
Transformer 230/12V for 1 - 5 TEMPOMATIC urinals	
Without housing	406000
In a waterproof housing	406220
Alternative cross wall lengths are available on request	

TEMPOMATIC multi-urinals

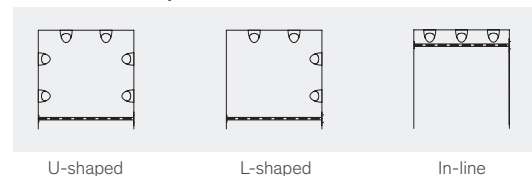
Recessed electronic valve with infrared barrier for urinals



- **Rinsing for 1 - 8 standard or stall urinals or 2 siphon action urinals.**
- For recessed installation.
- Electronic unit with 230/12V transformer.
- Hydraulic unit with solenoid valve, stopcock M $\frac{3}{4}$ " and filter.
- **Hygienic duty flush** every 12 hours after last use, prevents vacuums.
- Presence detection by infrared barrier.
- Recessed infrared detector Ø 50mm and reflector Ø 85mm.
- **Automatic pre-rinse** is possible after the arrival of the first user.
- **Automatic rinse** every 30 or 60 seconds.
- **Time flow pre-set at 3 seconds,** can be adjusted from 2 - 14 seconds.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- Maximum detection range recommended: 6 metres.
- **Anti-blocking security:** automatic shut-off after 20 uninterrupted cycles.



Installation examples



TEMPOMATIC multi-urinals	487620
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Ecological



Hygiene and controlling bacterial proliferation



Design

HYBRIMATIC: A SERIOUS, ECOLOGICAL ALTERNATIVE TO WATER-FREE URINALS

Water savings

Traditionally, the urinal flush fulfils three roles: rinse the sides of the bowl, replace the water in the trap and prevent urine crystallisation in the pipework.

Thanks to the waste with a membrane, and the absence of a water level, the HYBRIMATIC saves the water for replenishing the trap.

Using only 7cl (1 second's worth of water flow), the whole of the bowl and the membrane is cleaned.

During busy periods, the **high-frequency mode** is active. The rinse only takes place once it detects the departure of the last user, reducing water consumption.

Ecological

Unlike "water-free" urinals, the HYBRIMATIC **does not require the use of chemicals** or costly products (liquids and cleaning products).

Unique detection system

The hybrid detection system, integrated into the urinal, is **not visible** from the exterior.

The rinse takes place automatically when fluid is detected in the urinal.

Easy to install and simple to maintain

The wall-hung urinal is compatible with all standard frame systems available on the market. It is supplied with all necessary fixings. Access to the internal components is easy and secure, from underneath the urinal.

Total hygiene

No manual contact prevents the spread of germs by hand.

HYBRIMATIC's flush activates automatically when the user leaves.

A hygienic duty flush takes place every 24 hours (can be adjusted to 12 hours).

It prevents bacterial proliferation and the problem of blockages in the pipework.

HYBRIMATIC is supplied with a **reduced-stagnation solenoid valve**. For more information see page 145.

Minimal servicing

Regular rinsing reduces the frequency of urinal maintenance and membrane replacement.

Ideal for intensive use

DELABIE's sanitary ware is subjected to performance tests to ensure that it will withstand the demands of exposed environments.

It is specifically designed for use in all types of public and commercial places.

Vandal-resistant

DELABIE has developed an automatic flush technology which is based on the detection of flowing urine. As a result, there are no cells visible or within the reach of the user.

The internal components and fixing elements are concealed.



THE ADVANTAGES OF STAINLESS STEEL

Design

Stainless steel is a prestigious, high quality material, shown at its best in the design of DELABIE's sanitary ware. Stainless steel urinals are key architectural elements for sanitary facilities.

Ecological

Stainless steel is 100% recyclable, contributing to sustainable development and protecting the environment.

Hygiene

The FINO is made from bacteriostatic 304 stainless steel. It is an alloy that is very easy to clean and that is ideal for environments that must meet the requirements of public washrooms in terms of hygiene.



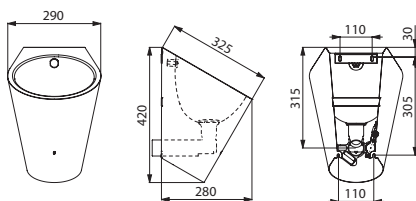
- **Water savings:** minimal individual rinsing
- **Hygiene:** automatic rinsing with no manual contact, hygienic duty flush, reduced-stagnation solenoid valve
- **Easy to maintain and vandal-resistant:** access to technical components from beneath
- **Ecological:** no need for chemical products

HYBRIMATIC FINO

Stainless steel urinal with hybrid rinsing system



- **HYBRIMATIC system:**
 - Battery-operated with 123 6V Lithium batteries.
 - Concealed fluid detector.
 - Waste with membrane and no water level.
 - Electronics integrated into the urinal.
 - Micro-rinse for one second after each user in Eco programme (or 3 seconds in comfort programme).
 - High-frequency mode: the rinse takes place after the busy period.
 - Hygienic duty flush for 7 seconds every 24 hours in Eco programme (or for 14 seconds every 12 hours in comfort programme): prevents bad smells and blockages in the pipework.
 - Flow rate pre-set at 0.07 L/sec. at 3 bar, can be adjusted.
 - Stopcock.
- **FINO wall-hung rimless urinal:**
 - Compatible with all standard frame systems on the market.
 - Bacteriostatic 304 stainless steel.
 - Stainless steel thickness: 1.2mm.
 - Polished satin finish stainless steel.
 - Rear water inlet.
 - Recessed horizontal waste outlet.



130000

Provisional availability 2nd half 2019.
Please contact the sales office to check availability.

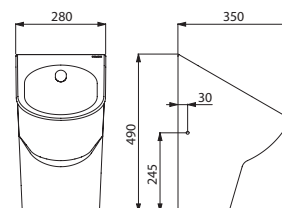
HYBRIMATIC FINO	130000
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HYBRIMATIC DELTACÉRAM

Ceramic urinal with hybrid rinsing system



- **HYBRIMATIC system:**
 - Battery-operated with 123 6V Lithium batteries.
 - Concealed fluid detector.
 - Waste with membrane and no water level.
 - Electronics integrated into the urinal.
 - Micro-rinse for one second after each user in Eco programme (or 3 seconds in comfort programme).
 - High-frequency mode: the rinse takes place after the busy period.
 - Hygienic duty flush for 7 seconds every 24 hours in Eco programme (or for 14 seconds every 12 hours in comfort programme): prevents bad smells and blockages in the pipework.
 - Flow rate pre-set at 0.07 L/sec. at 3 bar, can be adjusted.
 - Stopcock.
- **DELTACÉRAM wall-hung rimless urinal:**
 - Compatible with all standard frame systems on the market.
 - Ceramic.
 - Complies with European standard EN 13407 (CE marked).
 - Rear water inlet.
 - Recessed horizontal waste outlet.



130008

Provisional availability 2nd half 2019.
Please contact the sales office to check availability.

HYBRIMATIC DELTACÉRAM	130008
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HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Pathogen-free urinal valves

DELABIE guarantees that its urinal valves will be delivered free from pathogenic bacteria.
For more information see page 4.

DESIGN

Commercial environments and design

DELABIE's products, known for their endurance and reliability, have a **timeless design**. The diversity of the product range fits in perfectly with any commercial installation.

In an office building or a shopping centre, it is paramount that the product design fits in with its surroundings.

In prison, products must be resistant and secure: concealed mechanisms, streamlined design, etc.

Design without constraints

Aesthetic products are subject to less vandalism as they are better respected. The **smooth shape** of the urinal valves reduces the build-up of dirt and facilitates cleaning.

Easy but secure access to the control mechanisms provides easy maintenance.

60% WATER AND ENERGY SAVINGS

A smaller rinsing area

Due to the smaller bowl size, a standard urinal uses up to **6 times less water than a WC pan**.

Optimised time flow

DELABIE's urinal valves are more economical in terms of water than most of the valves available on the market. Time flow is set at **3 seconds** instead of the usual 7 seconds, resulting in up to 60% water consumption savings whilst maintaining appropriate hygiene levels.

Efficiency

With a minimum flow rate of 0.15 L/sec. for 3 seconds, the water volume is 45cl which is enough to renew the water in a conventional trap. This flow rate can be adjusted during installation.

Energy savings

DELABIE's time flow urinal valves operate completely autonomously with no need for an electrical supply. They **do not consume any power at all**.

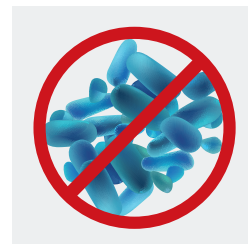
Ecological

DELABIE's time flow urinal valves are made from materials that are **100% recyclable** which ensures that the products receive the best ecological assessment in their category.

Environmental labels

The water and energy saving performance of DELABIE's time flow urinal valves means that the buildings achieve the highest performance standards for international rating schemes such as LEED, BREEAM, HQE or ESTIDAMA.

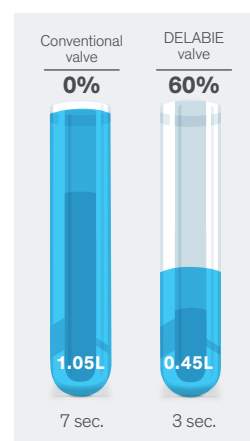
For more information see page 8.



Hygiene and controlling bacterial proliferation



Optimised time flow



Water savings per use



WATER-FREE URINALS

Water saving?

"Water-free" urinals have to be rinsed every 2 hours to avoid unpleasant odours. The reality is that they consume 18 to 36 litres of water per day (6 × 3L). Therefore, maintenance staff need to be available.

Ecological?

Occlusive liquid cartridges and sealing fluid bottles create waste and have an unknown impact on the environment.

Economical?

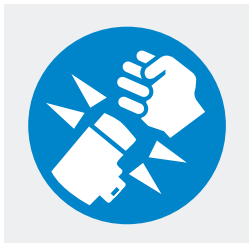
The purchase price of a water-free urinal is high. Running costs are also high (liquids and servicing products). Regular changes of consumables involve substantial manpower.

Hygienic?

Water-free urinals do not rinse the urinal bowl or the pipework. As a result, bacteria stay in the bowl and develop continuously after each use. The build-up of urine can also cause blockages in the pipework.



Soft technology:
soft-touch operation



Vandal-resistant



Endurance

TECHNICAL SOLUTIONS SUITABLE FOR ALL CONSTRAINTS

Public and commercial buildings have different requirements depending on the place of installation and type of user. DELABIE has developed specific products to respond to a variety of challenges (comfort, design, new buildings, refurbishment, users with specific needs, etc.).

Soft technology: soft-touch operation

DELABIE has developed time flow controls with a **soft-touch operation**. Soft technology allows all users (children, the elderly or people with reduced mobility) to use the controls with no effort required. **TEMPOSOF 2** and **TEMPOFLUX** models are fitted with a priming system that requires half the effort to operate, ensuring user comfort.

Waterproof recessing

Some urinal controls have a waterproof recessing housing (TEMPOSTOP and TEMPOFLUX models). **TEMPOFLUX** features **DELABIE's newest generation of recessing housings**. This housing is 100% waterproof and can be installed on different fixtures (rails, solid walls, panels) and can be adapted to fit different wall thicknesses from 10 - 120mm.

Types of installation

For refurbishment projects in particular, the water supply, available pressure or the associated urinals can be a problem for the installer. DELABIE offers urinal valves with **in-line** or **angled** inlet supply, with **3/4"** union (with 7 seconds time flow and 0.25 L/sec. flow rate) or **1/2"** union (with ~3 or 7 seconds time flow and 0.15 L/sec. flow rate).

SPECIFICALLY DESIGNED FOR COMMERCIAL ENVIRONMENTS

Optimised space and time

Two urinals can easily replace one WC. This meets the needs of public facilities where space is an issue. As they are used standing up, the usage time for urinals is shorter, meaning that there is a higher turnover of users.

Resistant to intensive use and vandalism

DELABIE's controls are specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The urinal valve bodies are made from chrome-plated solid brass, fitted with **shock-resistant** mechanisms. The **reinforced fixing** will stand up to intensive use. **Streamlined designs** discourage attempts at vandalism.

For areas that require tamperproof installations, there are recessed and cross wall versions which have mechanisms that cannot be accessed by the user.

Superior endurance

The time flow mechanisms in DELABIE's urinal valves are hard-wearing.

The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**.

There is no metal-metal or metal-plastic friction, ensuring **reliable and durable timing**.

DELABIE's water controls perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Minimal servicing

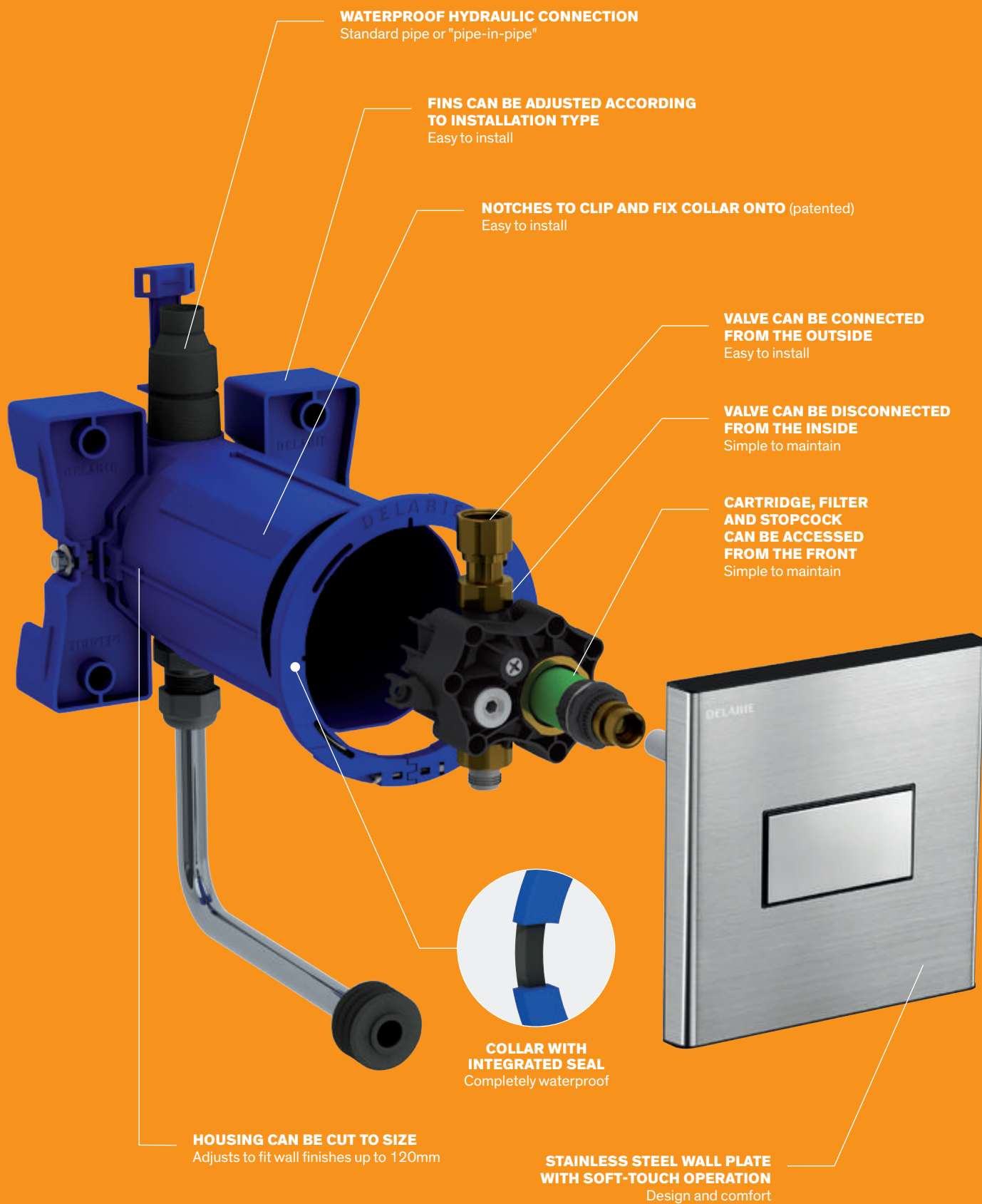
The cartridges are made from **scale-resistant materials** (Hostaform®). The self-cleaning mechanisms are protected by filters.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by the maintenance staff. Access to the components is direct.

The whole of the system is integrated into **a cartridge which can be accessed without removing the valve**.

10-year warranty against any manufacturing defects.







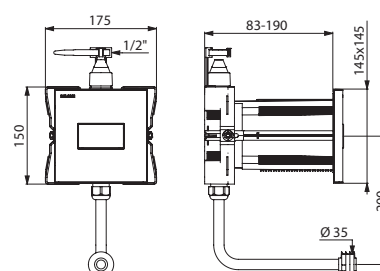
- **Water savings:** 60%
- **Comfort:** soft-touch operation
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOFLUX

Time flow urinal valve in a waterproof housing



- **Satin finish stainless steel wall plate 145 × 145mm.**
- **Chrome-plated metal button.**
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes from 10 - 120mm (while maintaining the minimum recessing depth of 83mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, filter and cartridge are all integrated and accessible from the front.
 - TEMPOFLUX F 1/2" urinal valve is compatible with sea water and grey water.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Soft-touch operation.**
- **Time flow pre-set at ~3 seconds**, can be adjusted from 3 - 7 seconds (patented).
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted up to 0.3 L/sec.
- Complies with European standard EN 12541 (class II acoustic level).
- Connection with Ø 35mm connection washer (for standard urinals) or 1/2" brass connection (for urinals supplied by flexible).
- For use with neck tube ref. 752430 or 757430.



778BOX + 778700 + 752430

For version with TEMPOFIX 3 frame system: see page 213.

TEMPOFLUX urinal valve in a waterproof housing	
Satin finish stainless steel	778BOX + 778700
Ø 35mm neck tube supply for urinals	752430
Neck tube supply for urinals with flexible 1/2"	757430

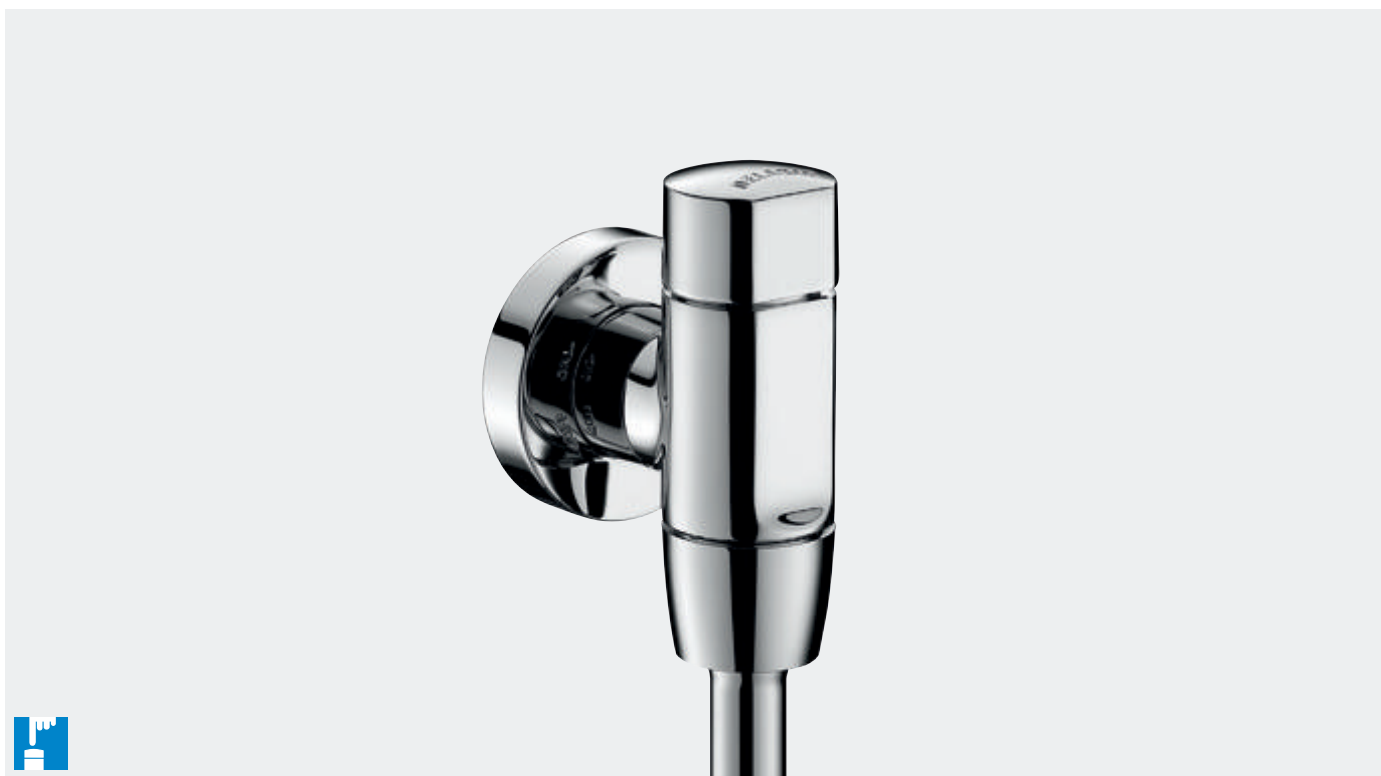




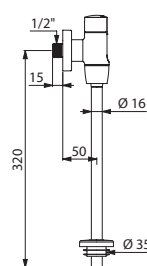
- **Water savings:** 60%
- **Comfort:** soft-touch operation
- **Simple to maintain:** innovative stopcock and flow rate adjustment system integrated in the wall plate, adjustable time flow

TEMPOFLUX

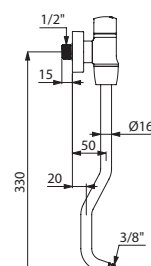
Exposed time flow urinal valve



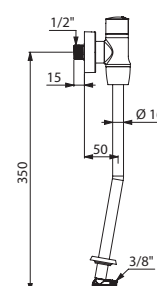
- For standard or siphon action urinals.
- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow pre-set at ~3 seconds**, can be adjusted from 3 - 7 seconds (patented).
- Vacuum breaker.
- Flow rate pre-set at 0.15 L/sec. at 3 bar, can be adjusted up to 0.3 L/sec.
- **Innovative stopcock and flow rate adjustment system integrated in the wall plate (patented).**
- **Complies with European standard EN 12541** (class II acoustic level).
- Chrome-plated solid brass body M1/2".
- With chrome-plated neck tube.
- Angled for recessed inlet.



778755



778757



778759

* Provisional availability: 2nd half 2019.

Please contact the sales office to check availability.

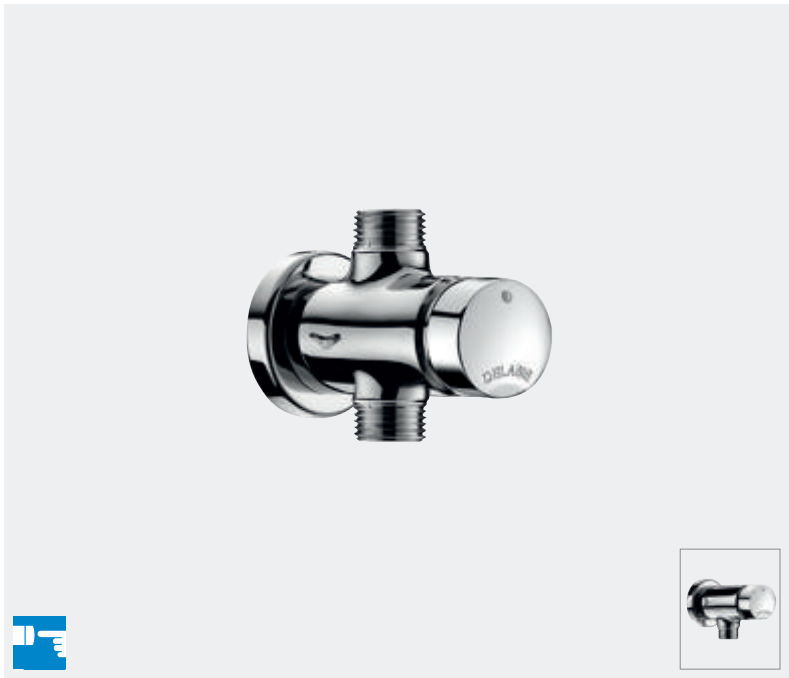
TEMPOFLUX exposed urinal valve	
For standard urinal with Ø 35mm connection washer (type ARMITAGE Contour, Sanura or LECICO Atlas)	778755
For DELABIE DELTA urinal	778757
For DELABIE FINO urinal	778759 *



- **Water savings:** 60%
- **Vandal-resistant:** solid brass, recessed version
- **Comfort:** soft-touch operation

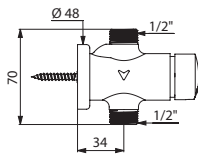
TEMPOSOF 2

Exposed time flow urinal valve

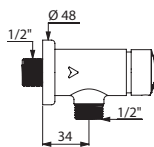


- For standard or siphon action urinals.
- **Soft-touch operation.**
- **Time flow ~3** or ~7 seconds.
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Chrome-plated solid brass body M1/2".

The recessed version of this urinal valve does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



777800

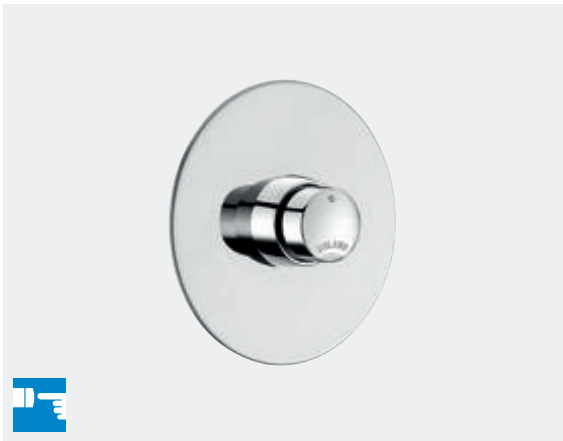


778800

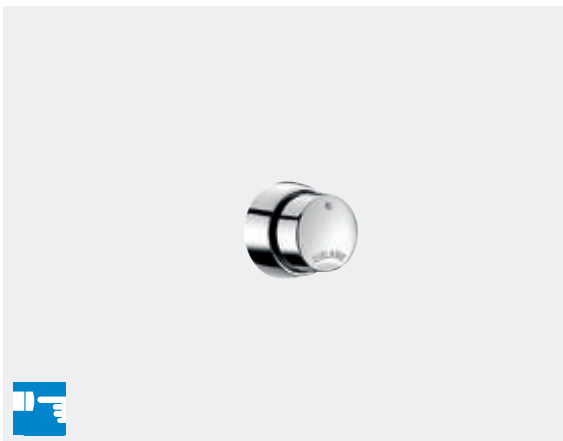
TEMPOSOF 2 exposed urinal valve	
Time flow ~3 seconds	
Straight for in-line inlets	777800
Angled for recessed inlets	778800
Time flow ~7 seconds	
Straight for in-line inlets	777807
Angled for recessed inlets	778807
Options: unions and neck tubes (see page 170)	

TEMPOSOF 2

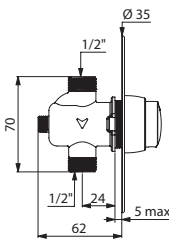
Recessed time flow urinal valve



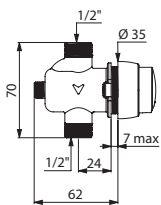
- TEMPOSOF 2 recessed time flow urinal valve:
- Bright polished stainless steel wall plate Ø 130mm.
 - Spacing can be adjusted from 1 - 5mm.



- TEMPOSOF 2 time flow urinal valve for panels:
- For panels or dry wall installation up to 7mm maximum.



777130



777140

TEMPOSOF 2 urinal valve, recessed or for panels	
Recessed behind a wall plate	777130
For panels or dry walls	777140
Options: unions and neck tubes (see page 171)	



- **Vandal-resistant:** packs contain robust products that will withstand intensive use and are suitable for any user
- **Easy to install:** packs contain all the necessary elements for complete installation - urinal, flush valve, accessories and fixing elements - delivered in a single pack that is easy to transport and store



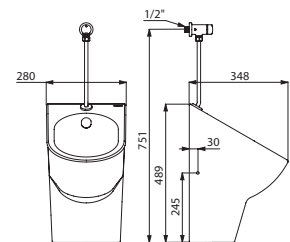
EASY-D with TEMPOSOFT 2

Pack with ceramic urinal and time flow urinal valve



- **DELTACÉRAM ceramic rimless urinal:**
 - Recessed or exposed horizontal waste outlet.
 - Complies with European standard EN 13407 (CE marked).
 - Water nozzle.
 - Concealed trap.
 - Fixing elements kit.
- **TEMPOSOFT 2 exposed time flow urinal valve:**
 - Soft-touch operation.
 - Time flow ~3 seconds.
 - Flow rate pre-set at 0.15 L/sec. at 3 bar, can be adjusted.
 - Chrome-plated solid brass body M $\frac{1}{2}$ ".
 - Wall plate.
 - Chrome-plated neck tube.

It is possible to order a pre-assembled DELTACÉRAM ceramic urinal (with water nozzle, waste and trap) and add the desired DELABIE urinal valve: electronic or time flow urinal valve, exposed or recessed.



133888

EASY-D urinal pack with TEMPOSOFT 2

Straight for in-line inlets	133788
Angled for recessed inlets	133888
DELTACÉRAM urinal only	
Exposed inlets	134118
Recessed inlets	134718

Option: neck tubes (see page 170)



- **Water savings**
- **Vandal-resistant:** solid brass, concealed fixings, recessed or cross wall installation

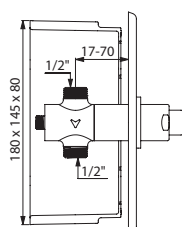
TEMPOSTOP

Recessed time flow urinal valve

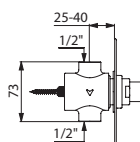


- For standard or siphon action urinals.
- For recessed installation.
- Recessing depth can be adjusted.
- Chrome-plated brass or stainless steel round wall plate, or stainless steel square wall plate.
- **Time flow ~3** or ~7 seconds.
- **Flow rate pre-set at 0.15 L/sec.** or 0.25 L/sec. at 3 bar, can be adjusted.
- Solid brass body M $\frac{1}{2}$ ".

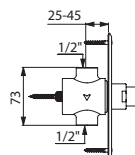
*This model does not have a waterproof recessing housing.
The installer must ensure that the recessing area is waterproof
and any leaks or condensation can drain away (see installation guide).*



777924 + 777925



779128



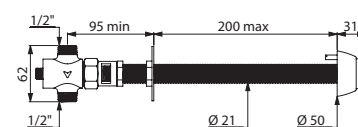
779427

TEMPOSTOP

Cross wall time flow urinal valve



- For standard or siphon action urinals.
- For walls ≤ 200 mm.
- **Time flow ~3 seconds.**
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Solid brass body M $\frac{1}{2}$ ".
- Control base plate with anti-rotating pin.
- Connecting nut.
- Threaded rod can be cut to size.



777200

TEMPOSTOP recessed urinal valve	
Time flow ~3 seconds, flow rate 0.15 L/sec.	
With chrome-plated brass wall plate Ø 195mm, M $\frac{1}{2}$ "	777924 + 777925
Time flow ~7 seconds, flow rate 0.25 L/sec.	
With stainless steel wall plate Ø 130mm, F $\frac{1}{2}$ "	779128
With satin stainless steel plate 160 × 160mm, F $\frac{1}{2}$ "	779427
With satin stainless steel plate 160 × 160mm, M $\frac{1}{2}$ "	779421
Option: tamperproof screws (see page 255)	

TEMPOSTOP cross wall urinal valve	777200
Alternative cross wall lengths are available on request	



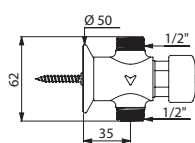
- **Water savings:** 60%
- **Vandal-resistant:** chrome-plated solid brass

TEMPOSTOP

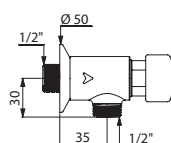
Exposed time flow urinal valve M $\frac{1}{2}$ "



- For standard, siphon action, or stall urinals.
- For wall-mounted, exposed installation.
- **Time flow ~3** or ~7 seconds.
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- Wall plate.



777000



778000

TEMPOSTOP exposed urinal valve M $\frac{1}{2}$ "

Time flow ~3 seconds

Straight for in-line inlets	777000
Angled for recessed inlets	778000

Time flow ~7 seconds

Straight for in-line inlets	777007
Angled for recessed inlets	778007

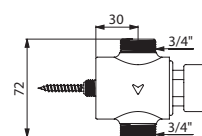
Options: unions and neck tubes (see page 170)

TEMPOSTOP

Exposed time flow urinal valve M $\frac{3}{4}$ "



- For siphon action urinals.
- For wall-mounted, exposed installation.
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 0.25 L/sec.** at 3 bar, can be adjusted.
- Chrome-plated solid brass body M $\frac{3}{4}$ ".
- Straight for in-line inlets.



779000

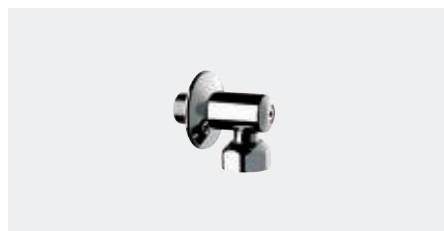
TEMPOSTOP exposed urinal valve M $\frac{3}{4}$ "

779000

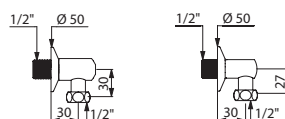
Options: unions and neck tubes (see page 170)

Elbow union

With or without stopcock



- Retractable nut.
- Chrome-plated brass.
- L. 30mm.



836015

838015

Elbow STOP union with stopcock

MF 1/2", H. 30mm **836015**

M 1/2" - F 3/4", H. 30mm ± 2mm **836020**

Elbow union without stopcock

MF 1/2", H. 27mm **838015**

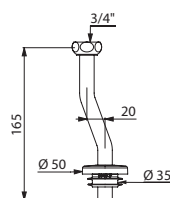
M 1/2" - F 3/4", H. 29mm **838020**

Neck tube

For siphon action urinals



- **F 3/4" Ø 35mm.**
- IDEAL STANDARD "Prival 3803".
- NOVOBOCH "Mistal or Vasco".
- ROCA "Mural".
- SELLES "8620 or Mistal".
- VILLEROY & BOCH "Targa 7502/7504 or Esta 7508".

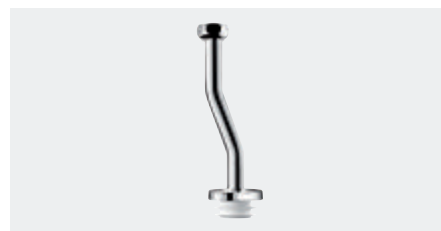


759000

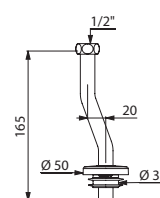
Neck tube F 3/4" Ø 35mm **759000**

Neck tube

For standard or siphon action urinals



- **F 1/2" Ø 35mm.**
- ALLIA "Satolas 43650/43651 or Blagnac 3560".
- DURAVIT "Ben 848.7, Pago 839.6, Jim or Neife".
- IDEAL STANDARD "Pindard".
- LAUFEN "Como".
- NOVOBOCH "Oural 600".
- PORCHER "Axif".
- SELLES "Euroline".
- SPHINX "Eurobase".
- VILLEROY & BOCH "Java, Toboga, Troja, Magnum, Targa, Esta".



752000

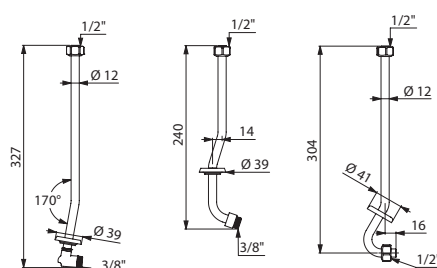
Neck tube F 1/2" Ø 35mm **752000**

Neck tube

For DELABIE urinals



- **F 1/2".**
 - DELABIE "FINO", "DELTA" or "DELTACÉRAM".
- For matching urinals see DELABIE "Stainless Steel Sanitary Ware" catalogue (Doc 750UK).



757135

757162

757118

Neck tube F 1/2", for DELABIE urinals

"FINO" **757135**

"DELTA" **757162**

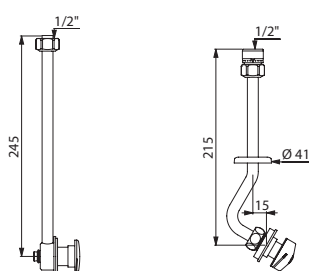
"DELTACÉRAM" **757118**

Neck tube

For ALLIA / SELLES urinals



- **F 1/2"** with water nozzle.
- ALLIA "Aubagne, Amigo 3645".
- SELLES "8418".



751000

758645

Neck tube F 1/2", for ALLIA / SELLES urinals

ALLIA "Aubagne", SELLES "8418" **751000**

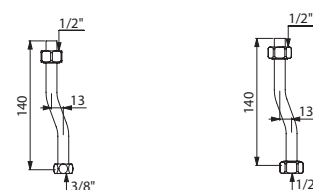
"Amigo 3645" **758645**

Neck tube

For I.S. / PORCHER urinals



- IDEAL STANDARD "Applique 3873".
- PORCHER "Applique 2642/2651, HygieniQ".



753000

753395

Neck tube F 1/2", for I.S. / PORCHER urinals

IDEAL STANDARD F 1/2" F 3/8" "Applique 3873" **753000**

PORCHER F 1/2" - F 3/8" "Applique 2641/2651"

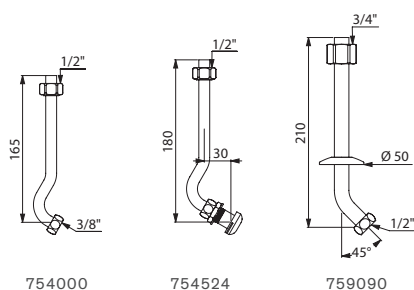
PORCHER F 1/2", "HygieniQ" **753395**

Neck tube

For JACOB DELAFON urinals



- JACOB DELAFON "Coquille 2-1519", "Patio".



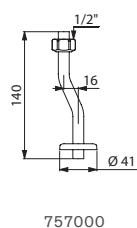
Neck tube for JACOB DELAFON urinals	
"Coquille 2-1519" F $\frac{1}{2}$ " without water nozzle	754000
"Coquille 2-1519" F $\frac{1}{2}$ " with water nozzle	754524
"Patio" F $\frac{3}{4}$ "	759090

Neck tube

For ROCA urinals



- F $\frac{1}{2}$ ".
- ROCA "Urito".



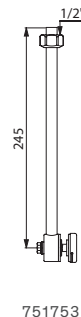
Neck tube F $\frac{1}{2}$ ", for ROCA urinals	757000
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Neck tube

For VILLEROY & BOCH urinals



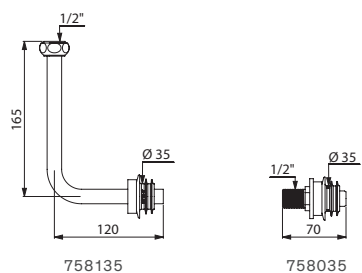
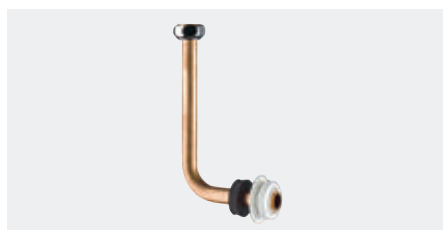
- F $\frac{1}{2}$ ".
- VILLEROY & BOCH "Losange 7530".
- With water nozzle.



Neck tube F $\frac{1}{2}$ ", for VILLEROY & BOCH urinals	751753
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Recessed inlet

For standard or siphon action urinals

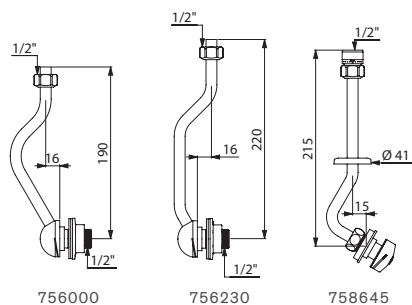


Recessed inlet	
Recessed neck tube, F $\frac{1}{2}$ " Ø 35mm	758135
Recessed union, M $\frac{1}{2}$ " Ø 35mm	758035

Neck tube for stalls

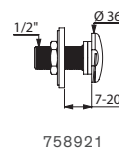
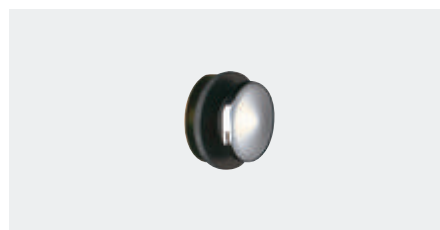


- F $\frac{1}{2}$ ".
- Water nozzle.



Neck tube for stalls	
SELLES "452", ALLIA "Montceau 007350"	756000
J.D. "Murale 2 - N498", "Boissière 2 - N478"	756230
ALLIA "Montceau 007390", SELLES "0467"	758645

Water nozzle for stalls

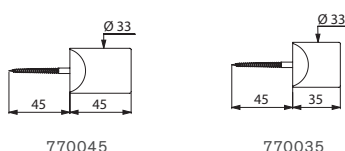


Water nozzle for stalls	
M $\frac{3}{8}$ "	758021
M $\frac{1}{2}$ "	758921

Corner wedge



- For TEMPOSTOP (ref. 777000 and 777007) or TEMPOSOFT 2 (ref. 778800 and 778807) on corner-mounted urinals.



Corner wedge

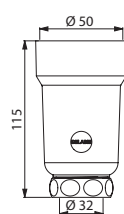
ALLIA "Aubagne 3640", "Satolas 43610"	770045
VILLEROY & BOCH "Troja 7540"	
IDEAL STANDARD "Applique 3874"	770035
JACOB DELAFON "Coquille 2, 1516"	
LAUFEN "Como"	
PORCHER "Applique 2651"	

SIPHURINOIR

Chrome-plated ABS



- Urinal vertical trap Ø 50mm with lip seal.
- Outlet Ø 32mm with nut.
- Water level 50mm.
- Chrome-plated ABS.



771000

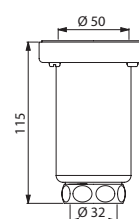
SIPHURINOIR chrome-plated ABS 771000

SIPHURINOIR

Chrome-plated brass



- Urinal vertical trap Ø 50mm with compression seal.
- Outlet Ø 32mm with nut.
- Water level 50mm.
- Chrome-plated brass.



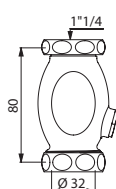
310000

SIPHURINOIR chrome-plated brass 310000

Trap with vertical outlet



- Inlet F1¼".
- Vertical outlet Ø 32mm with nut.
- Cleaning plug.
- Chrome-plated brass.



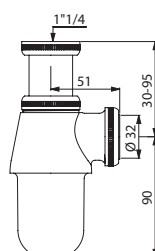
780000

Trap with vertical outlet 780000

Bottle trap with horizontal outlet



- Inlet F1¼".
- Horizontal outlet Ø 32mm with nut.
- Water level 50mm.
- Chrome-plated brass.



517000

Bottle trap with horizontal outlet 517000

Urinal outlet



- Inlet Ø 50mm with compression seal.
- Outlet M1¼".
- Chrome-plated brass.



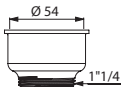
776000

Urinal outlet 776000

Urinal outlet to seal



- To seal.
- Inlet Ø 54mm.
- Outlet M1¼".
- Chrome-plated brass.



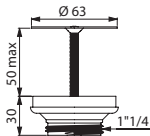
775000

Urinal outlet	775000	
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Urinal waste



- Stainless steel grid Ø 63mm to cover a hole of Ø 54mm maximum.
- Outlet M1¼".
- Central screw.



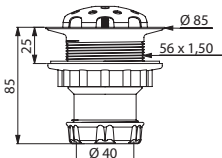
580000

Urinal waste	580000	
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Stall waste



- With integrated trap.
- With stainless steel inlet filter and polypropylene body.
- Outlet Ø 40mm with nut.



785000

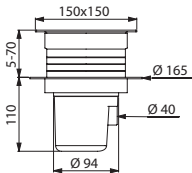
Stall waste	785000	
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Floor trap 150 × 150mm

For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel plate and grid 150 × 150mm.
- Horizontal or vertical outlet Ø 40mm integrated into the height of the floor trap.
- Height adjusts up to 70mm with extension.



683001

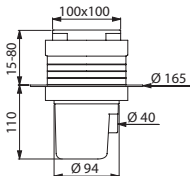
Floor trap 150 × 150mm	683001	
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Floor trap 100 × 100mm

For tiled or concrete floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid 100 × 100mm.
- Horizontal or vertical outlet Ø 40mm integrated into the height of the floor trap.
- Height adjusts up to 80mm with extension.



682001

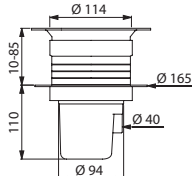
Floor trap 100 × 100mm	682001	
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Floor trap Ø 114mm

For soft or vinyl floors



- Flow rate 36 lpm (meets standards).
- Water level 50mm.
- Bright polished stainless steel grid Ø 114mm.
- Horizontal or vertical outlet Ø 40mm integrated into the height of the floor trap.
- Height adjusts up to 85mm with extension.



683002

Floor trap Ø 114mm	683002	
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

DELABIE / Recommendations by type of urinal

Having selected a urinal brand and model, choose the associated water control equipment in the table below







Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains

ALLIA - SELLES


ALLIA - SELLES - Amigo 03645 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	758645		758645		758645	
Trap	771000		771000		771000	
Transformer	-		-		406000	










ALLIA - SELLES - Amigo 03645 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	758645		758645			
Trap	771000		771000			







ALLIA - SELLES - Agora 83621 - recessed inlet

Recessed valve	779128					
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
ALLIA - SELLES - Aubagne 2 03639 - in-line inlet

Complete kit	777101					
In-line valve	777000 or 777800		479406		477000	
Neck tube	751000		751000		751000	
Trap	517000		517000		517000	
Transformer	-		-		406000	







ALLIA - SELLES - Aubagne 2 03639 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	751000		751000			
Trap	517000		517000			

ALLIA - SELLES - Aubagne 2 03639 corner - in-line inlet





Complete kit	777101					
+ corner wedge	770045					

ALLIA - SELLES - Blagnac 03560, Blagnac 2 03580 - in-line inlet







Complete kit	777015					
In-line valve	777000 or 777800		479406		477000	
Neck tube	752000		752000		752000	
Transformer	-		-		406000	

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains










ALLIA - SELLES - Blagnac 03560, Blagnac 2 03580 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	752000		752000			







ALLIA - SELLES - Blagnac 003570, Blagnac 2 03590 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	




ALLIA - SELLES - Montceau 07350 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	756000		756000		756000	
Waste	785000		785000		785000	
Transformer	-		-		406000	










ALLIA - SELLES - Montceau 07350 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	756000		756000			
Waste	785000		785000			







ALLIA - SELLES - Montceau 07350 - recessed inlet

Recessed valve	779427					
Water nozzle	758021					
Waste	785000					

ALLIA - SELLES - Montceau murale 07390 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	758645		758645		758645	
Waste	785000		785000		785000	
Transformer	-		-		406000	


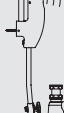








ALLIA - SELLES - Montceau murale 07390 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	758645		758645			
Waste	785000		785000			







Having selected a urinal brand and model, choose the associated water control equipment in the table below

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains




ALLIA - SELLES - Nogent 2 03629 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	750000		750000		750000	
Trap	517000		517000		517000	
Transformer	-		-		406000	



ALLIA - SELLES - Nogent 2 03629 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	750000		750000			
Trap	517000		517000			

ALLIA - SELLES - Nogent 2 03629 corner - in-line inlet

In-line valve	777000 or 777800					
Neck tube	750000					
Trap	517000					
Corner wedge	770045					









ALLIA - SELLES - Satolas 03610 corner - in-line inlet

Complete kit	777015					
+ corner wedge	770045					





ALLIA - SELLES - Satolas 03620 - recessed inlet

Recessed valve	779128					
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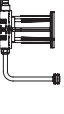
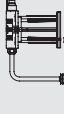
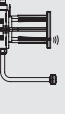



ALLIA - SELLES - Satolas 03650 - in-line inlet

Complete kit	777015					
In-line valve	777000 or 777800		479406		477000	
Neck tube	752000		752000		752000	
Transformer	-		-		406000	

ALLIA - SELLES - Satolas 03650 - angled inlet

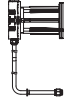
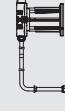
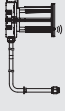



Angled valve	777000 or 777800		479408			
Neck tube	752000		752000			

ALLIA - SELLES - Satolas 03660 - recessed inlet


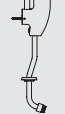
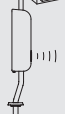




Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains

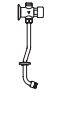



DELABIE
DELABIE - DELTA 134770 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430006		430SBOX + 430000	
Neck tube	757430		757430		757430	


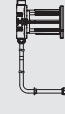
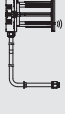



DELABIE - DELTA 134170 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	757162		757162		757162	
Transformer	-		-		406000	

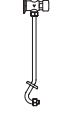
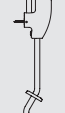
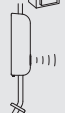




DELABIE - DELTA 134170 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	757162		757162			

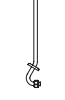



DELABIE - DELTACÉRAM 134718 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430006		430SBOX + 430000	
Neck tube	757430		757430		757430	

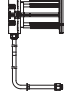





DELABIE - DELTACÉRAM 134118 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	757118		757118		757118	
Transformer	-		-		406000	


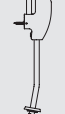
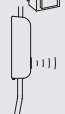




DELABIE - DELTACÉRAM 134118 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	757118		757118			

DELABIE - FINO 135710 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430006		430SBOX + 430000	
Neck tube	757430		757430		757430	

DELABIE - FINO 135110 - in-line inlet





In-line valve	777000 or 777800		479406		477000	
Neck tube	757135		757135		757135	
Transformer	-		-		406000	

DELABIE / Recommendations by type of urinal

Having selected a urinal brand and model, choose the associated water control equipment in the table below

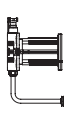
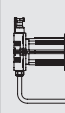




Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains

DELABIE - FINO 135110 - angled inlet



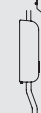



Angled valve	778000 or 778800		479408		
Neck tube	757135		757135		

DURAVIT





DURAVIT - Architec 82037, Ben 84737, Bill 85135, Duraplus 83036, Fizz 82336, Starck 82135, 82725, 83432, Vero 280032, Thun 280430 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	

DURAVIT - Architec 81737 & 81937, Ben 84837, Jim 85035, Starck 82235, 82625, D-Code 82830, Thun 280530 - in-line inlet










Complete kit	777015					
In-line valve	777000 or 777800		479406		477000	
Neck tube	752000		752000		752000	
Transformer	-		-		406000	

DURAVIT - Architec 81737 & 81937, Ben 84837, Jim 85035, Starck 82235, 82625, D-Code 82830, Thun 280530 - angled inlet













Angled valve	778000 or 778800		479408			
Neck tube	752000		752000			

JACOB DELAFON

JACOB DELAFON - Stalle Murale 2 EN498 - in-line inlet









In-line valve	777000 or 777800		479406		477000	
Neck tube	756230		756230		756230	
Waste	785000		758000		785000	
Transformer	-		-		406000	

JACOB DELAFON - Coquille 2 E1519 - in-line inlet

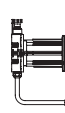





Complete kit	777517					
In-line valve	777000 or 777800		479406		477000	
Neck tube	754524		754524		754524	
Waste	580000		580000		580000	
Trap	517000		517000		517000	
Transformer	-		-		406000	

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains







JACOB DELAFON - Coquille 2 E1519 - angled inlet

Angled valve	778000 or 778800		479408		
Neck tube	754524		754524		
Waste	580000		580000		
Trap	517000		517000		

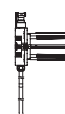
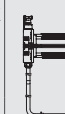




JACOB DELAFON - Odéon E1147 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	

JACOB DELAFON - Patio E1545 and E1546 - in-line inlet

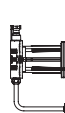
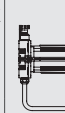
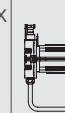



In-line valve	779000		479406		477000	
Neck tube	759090		759090		759090	
Transformer	-		-		406000	

JACOB DELAFON - Patio E1548 - recessed inlet







Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	757430		757430		757430	

LAUFEN





LAUFEN - Caprino 842061 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	

LAUFEN - Caprino 842062 - in-line inlet

Complete kit	777015					
In-line valve	777000 or 777800		479406		477000	
Neck tube	752000		752000		752000	
Transformer	-		-		406000	

LAUFEN - Caprino 842062 - angled inlet














Angled valve	778000 or 778800		479408			
Neck tube	752000		752000			

Having selected a urinal brand and model, choose the associated water control equipment in the table below









Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains

PORCHER - IDEAL STANDARD






PORCHER - IS - Applique P2641 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	753000		753000		753000	
Waste	580000		580000		580000	
Trap	517000		517000		517000	
Transformer	-		-		406000	








PORCHER - IS - Applique P2641 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	753000		753000			
Waste	580000		580000			
Trap	517000		517000			





PORCHER - IS - Applique P2651 corner - in-line inlet

In-line valve	777000 or 777800					
Wedge	770035					
Neck tube	753000					
Waste	580000					
Trap	517000					







PORCHER - IS - Axif P2681 - in-line inlet

Complete kit	777015					
In-line valve	777000 or 777800		479406		477000	
Neck tube	752000		752000		752000	
Transformer	-		-		406000	








PORCHER - IS - Axif P2681 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	752000		752000			

PORCHER - IS - Axif P2682, Connect E 8166 - recessed inlet





Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	

PORCHER - IS - Conque P9870 - in-line inlet











In-line valve	777000 or 777800		479406		477000	
Trap	517000		517000		517000	
Transformer	-		-		406000	

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains







PORCHER - IS - Conque P9870 - angled inlet

Angled valve	778000 or 778800		479408			
Trap	517000		517000			

PORCHER - IS - Stalle STELLA 3 J5137 - in-line inlet











In-line valve	777000 or 777800		479406		477000	
Neck tube	756230		756230		756230	
Waste	785000		785000		785000	
Transformer	-		-		406000	

PORCHER - IS - Stalle STELLA 3 J5137 - angled inlet







Angled valve	778000 or 778800		479408			
Neck tube	756230		756230			
Waste	785000		785000			

ROCA








ROCA - Mini 353145000 - in-line inlet

In-line valve	777000 or 777800		479406		477000	
Neck tube	752000		752000		752000	
Trap	771000		771000		771000	
Transformer	-		-		406000	







ROCA - Mini 353145000 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	752000		752000			
Trap	771000		771000			

ROCA - Mural 353330001 - in-line inlet

In-line valve	779000		479406		477000	
Neck tube	759000		752000		752000	
Transformer	-		-		406000	

ROCA - Hall A353623000, Site A359605000, Spun A353147000 & A353148000 - recessed inlet






Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	

DELABIE / Recommendations by type of urinal



Having selected a urinal brand and model, choose the associated water control equipment in the table below

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains

ROCA - Site A359607000, Spun A353149000 - in-line inlet






Complete kit	777015				
In-line valve	777000 or 777800		479406		477000 
Neck tube	752000		752000		752000 
Transformer	-		-		406000 

ROCA - Spun A353149000 - angled inlet



Angled valve	778000 or 778800		479408		
Neck tube	752000		752000		

SPHINX





SPHINX - Eurobase 75, Europa 85 - in-line inlet

Complete kit	777015				
In-line valve	777000 or 777800		479406		477000 
Neck tube	752000		752000		752000 
Transformer	-		-		406000 









SPHINX - Eurobase 75, Europa 85 - angled inlet

Angled valve	778000 or 778800		479408		
Neck tube	752000		752000		

SPHINX - Eurobase 70, Europa 80, Antibes - recessed inlet






Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010 
Neck tube	752430		752430		752430 

SPHINX - Europa 55 - in-line inlet

In-line valve	779000		479406		477000 
Neck tube	759000		752000		752000 
Outlet	776000		776000		776000 
Transformer	-		-		406000 





VILLEROY & BOCH

VILLEROY & BOCH - O.Novo & Targa Pro 7502, Targa Architectura 5573, Targa Classic 7526 - in-line inlet









In-line valve	779000		479406		477000 
Neck tube	759000		752000		752000 
Transformer	-		-		406000 

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains






VILLEROY & BOCH - Architecture 5586 Targa Pro, Classic & Compact 7503, 7507, 7527, 7557 00, O.Novo & Subway 7513, 7519 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010 
Neck tube	752430		752430		752430 



VILLEROY & BOCH - O.Novo & Targa Pro 7504 - in-line inlet

In-line valve	779000		479406		477000 
Neck tube	759000		752000		752000 
Outlet	776000		776000		776000 
Transformer	-		-		406000 




VILLEROY & BOCH - O.Novo & Targa Pro 7508 - in-line inlet

Complete kit	777015				
In-line valve	777000 or 777800		479406		477000 
Neck tube	752000		752000		752000 
Transformer	-		-		406000 




VILLEROY & BOCH - O.Novo & Targa Pro 7508 - angled inlet

Angled valve	778000 or 778800		479408		
Neck tube	752000		752000		

VILLEROY & BOCH - Losange Targa Pro 7530 - in-line inlet






In-line valve	777000 or 777800				
Neck tube	751753				
Waste	580000				
Trap	517000				

VILLEROY & BOCH - Losange Targa Pro 7530 - angled inlet

Angled valve	778000 or 778800				
Neck tube	751753				
Waste	580000				
Trap	517000				

VITRA



VITRA - Arkitekt 6202, S50, 5330-1069 - in-line inlet

Complete kit	777015				
In-line valve	777000 or 777800		479406		477000 
Neck tube	752000		752000		752000 
Transformer	-		-		406000 






Having selected a urinal brand and model, choose the associated water control equipment in the table below

Necessary equipment	Recommendations for time flow controls	Recommendations for electronic controls	
		battery-operated	mains




VITRA - Arkitekt 6202, S50, 5330-1069 - angled inlet

Angled valve	778000 or 778800		479408			
Neck tube	752000		752000			



VITRA - Arkitekt 6563, S20, 5462-1069 - in-line inlet

In-line valve	779000		479406		477000	
Neck tube	759000		752000		752000	
Transformer	-		-		406000	

VITRA - Arkitekt 6201, S20, 5462-0309 - recessed inlet

Recessed valve	778BOX + 778700		430PBOX + 430016		430SBOX + 430010	
Neck tube	752430		752430		752430	

VITRA - Matrix 5128, Retro 5218 - recessed inlet

Recessed valve	779128					
Inlet	758035					





WCs

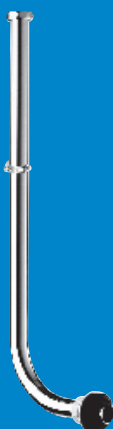
ELECTRONIC CONTROLS 186



TIME FLOW CONTROLS 192

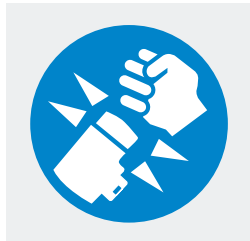


FLUSH TUBES 202





Dual flush



Vandal-resistant



Soft technology:
soft-touch operation

DIRECT FLUSH VALVES: SPECIFICALLY DESIGNED FOR INTENSIVE USE IN COMMERCIAL PLACES

The direct flush valve is specifically designed to meet the needs of highly frequented public washrooms.

Efficient direct flush

The flush valve is connected directly to the water supply. Employing **the pressure from the system**, the flush is more effective. There is **no delay** while the cistern refills. Direct flush is always available, even for successive flushes, solving the problems of **intensive use** (school break time, half-time in a sports stadium, break time in a factory, the interval during a concert, etc.).

Hygiene

Since the flush is connected to the system, there is **no water stagnation, scale build-up or impurity deposits**, factors that encourage the development of bacteria. The effective direct flush ensures the pan remains clean. With electronic sensor controls (TEMPOMATIC), **no manual contact is required**.

Water savings and environmental labels

Reinforced mechanisms reduce the risk of leaks. The TEMPOFLUX 2 and TEMPOFLUX 3 ranges with **3L/6L dual flush** optimise water consumption. The flush volume can be **adjusted to 2L/4L** for ECO pans, achieving the highest performance standards for international labels.

For more information see page 8.

Direct flush **reduces the risk of leaks**, unlike cisterns where the frequent dripping is difficult to detect and therefore increases the water bill.

Minimal servicing and simple to maintain

The self-cleaning mechanism is made from **scale-resistant** materials. The cartridge can be isolated via **the stopcock** and can be **easily changed** without having to remove the flush valve.

Vandal-resistant

The mechanisms and controls are **shock-resistant** and have no fragile plastic parts. The fixings are concealed. The **cross wall, dual flush** direct flush valve (TEMPOFLUX 2 TC) is exclusive to DELABIE. It is installed in a service duct, the ultimate solution against vandalism.

Reliability and superior endurance

DELABIE's flush valve mechanisms are **hard-wearing**. The hydraulic timing system with calibrated groove is self-cleaning, which extends its **lifespan to over 500,000 operations**.

There is no metal-metal or metal-plastic friction, ensuring **reliable and durable** timing. DELABIE's flush valves perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Comfort

The **low acoustic level** of the TEMPOFLUX 2 and TEMPOFLUX 3 complies with European standard EN 12541 class II.

These ranges feature **soft-touch operation** which allows all types of users to activate the flush easily. The TEMPOMATIC electronic versions avoid any manual contact and require no effort to operate (children, the elderly or people with reduced mobility).

Supply pipe diameters

The supply pipe diameters for direct flush are similar to cistern systems. Please see our recommendations (*page 184*).

PROJECTS FEATURING DELABIE'S DIRECT FLUSH



Cockcroft Building, Brighton University (UK)



Stadium, Toulouse (FR)



Honda, Swindon (UK)



Queen Elizabeth Hospital, Glasgow (UK)



Winchester College (UK)



Charles de Gaulle airport, Paris (FR)



TEMPOFIX 3 frame system with TEMPOFLUX 2 time flow direct flush valve **578305 + 578222**
S21 S wall-hung WC **110310** - Toilet seat **101819** - Toilet brush set **4051P**



CALCULATION
RECOMMENDATIONS

Simultaneous use

We recommend the following calculations to determine the number of direct flush valves. The flush timing is actually very short (7 seconds) and there is no refill time. As a result, the pipework diameter calculations for direct flush are different to those for cistern flush valves. We recommend the following method:

Number of valves installed	Number of valves used simultaneously
3 valves	1 valve
4 - 12 valves	2 valves
13 - 24 valves	3 valves
25 - 50 valves	4 valves
> 50 valves	5 valves

Calculation method

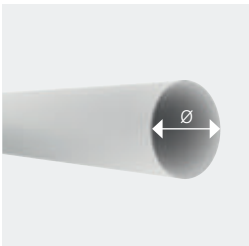
The French regulation bases the calculations on a flow rate of 1.5 L/sec. for direct flush valves. However, for non-domestic applications, it is highly recommended to refer to the manufacturers' guidelines. TEMPOFLUX models work perfectly well at 1 L/sec. Example showing the calculations for a block of 20 WCs fitted with direct flush valves: we anticipate that a maximum of 3 out of 20 will be activated simultaneously.

1 L/sec. x 3 flush valves = 3 L/sec.
The branch supply pipe diameter for the 20 WCs would be 2".

For more information see page 248.



Operates at 1 L/sec.



Pipework diameter

ADVANTAGES OF DIRECT FLUSH

VANDAL-RESISTANT:
shock-resistant mechanisms, concealed fixings

EASY AND INFREQUENT MAINTENANCE:
standardised cartridge can be changed without removing the valve, withstands up to 500,000 operations

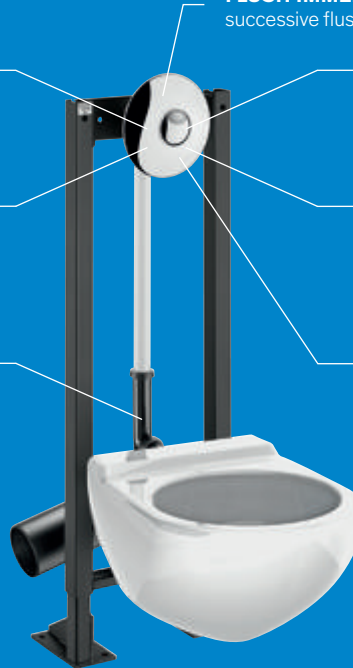
POWERFUL FLUSH:
uses the pressure of the system

FLUSH IMMEDIATELY AVAILABLE:
successive flushes are possible

WATER SAVINGS:
3L/6L dual flush, can be adjusted to 2L/4L

MINIMAL SERVICING:
scale-resistant mechanisms

HYGIENE:
no water stagnation, scale build-up or impurity deposits

**THE CISTERN: DESIGNED FOR DOMESTIC USE**

The cistern, designed for domestic use, is not suitable for public and commercial buildings.

Fragile design

Made from plastic, the cistern and mechanisms are fragile. They are a source of leaks which are not always noticed immediately because they are inaudible and not easy to see. Cisterns are a primary source of wasted water in a system.

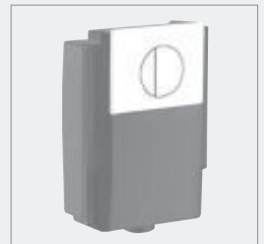
For example, a small leak can cause losses of 220m³ or a total of 748€/year (cost of cold water m³: 3.40€, source: *centre d'information de l'eau, France*).

Difficult to service

Cistern maintenance in public and commercial buildings is not easy: removal and access to the mechanism is difficult and increasingly regular interventions are required.

Lack of hygiene

Cistern systems provide niches where bacteria can develop: stored water in the cistern stagnates and can rapidly lead to the development of bacteria which then spread through the rest of the system.



Cisterns designed for domestic use

DISADVANTAGES OF CISTERNS FOR PUBLIC AND COMMERCIAL USE

TIME TAKEN TO REFILL THE TANK:
immediate, successive flushes are not possible

FRAGILE:
plastic mechanism and cistern

RISK OF LEAKS FROM THE CISTERN INTO THE PAN

DIFFICULT TO SERVICE:
complicated access to mechanism, bottom of cistern inaccessible

LACK OF HYGIENE:
stagnant water, scale deposits and ambient water temperatures lead to bacterial development

LIMITED FLUSH POWER:
static pressure



TEMPOMATIC DUAL CONTROL RECESSED: 100% WATERPROOF RECESSING HOUSING, MODULAR AND ADAPTABLE

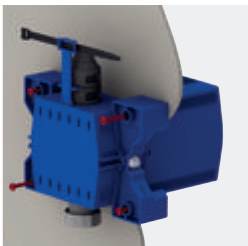
**One product
for all types of installation**
(adjustable fins)



Plasterboard rails



Solid walls



Panels



Secure system flush

Hygiene

The TEMPOMATIC dual control flush can be activated voluntarily via the push-button, or failing that, **automatically** when the user leaves. This dual control guarantees **permanent hygiene for the WC pan**, even if the user forgets or neglects to flush the WC. The duty flush prevents bacterial proliferation and ensures that the pipework is flushed every 24 hours when not in use.

Water savings

DELABIE has developed an **"intelligent" rinse function** in the automatic mode. The system can distinguish between the need for a short rinse or a longer flush (3L/6L can be adjusted to 2L/4L).

Quick and easy to install

There are multiple installation options for the housing: fixing via the sides onto **plasterboard rails**, from the front on to a **solid wall**, or from the rear onto a **panel**. The cut-to-size housing is the only product available that **can adjust to thick walls as well as thin partition walls**. It can be installed on walls up to 120mm: bricks or concrete blocks for public and commercial installations subject to high levels of vandalism. The TEMPOMATIC dual control connects from the outside of the housing to a standard installation or a "pipe-in-pipe" connection. During commissioning, the electronic unit is replaced by a temporary cap to facilitate and **secure the system flush**, without risking any damage to this sensitive element.

Resistant to intensive use and vandalism

The wall plate, made from **satin finish stainless steel** will withstand extreme levels of demand. The fixings are concealed. Streamlined designs discourage attempts at vandalism. To prevent abuse or waste in the voluntary mode, TEMPOMATIC dual control is fitted with an **AB anti-blocking system**. This security feature prevents the valve from being blocked in the open position. The flush takes place only when the push-button is released.

Waterproof recessing

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and collar. DELABIE has developed a housing that can be cut to size in front of the collar, which ensures a **perfect seal**. The **waterproof seal is integrated into the collar**. The installer does not need to apply anything else (silicone, jointing compound, PTFE, etc.). The housing has notches to clip the collar onto and fix it in place easily (patented system).

Minimal servicing and simple to maintain

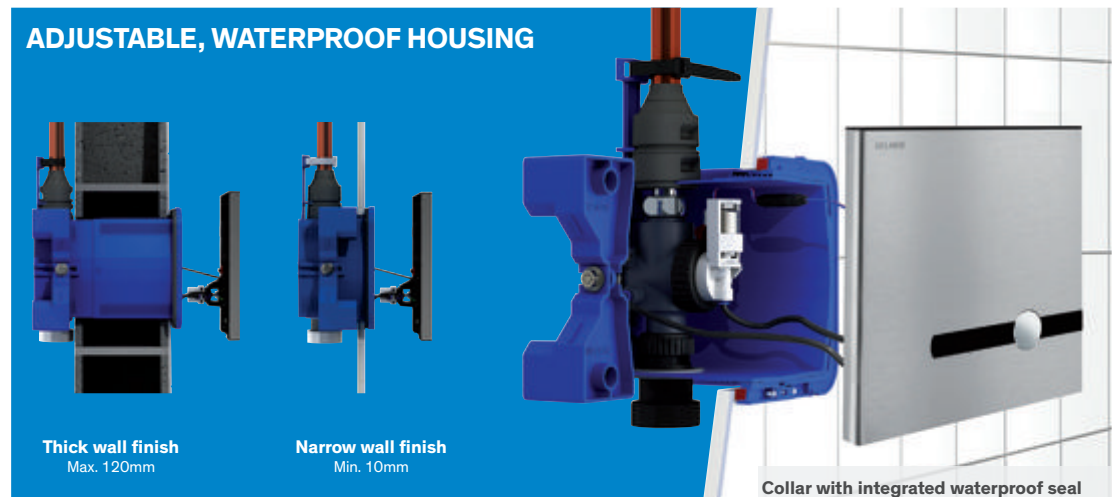
The electronic unit, activation unit and stopcock are all **accessible from the front**. Simply remove the wall plate to gain access.

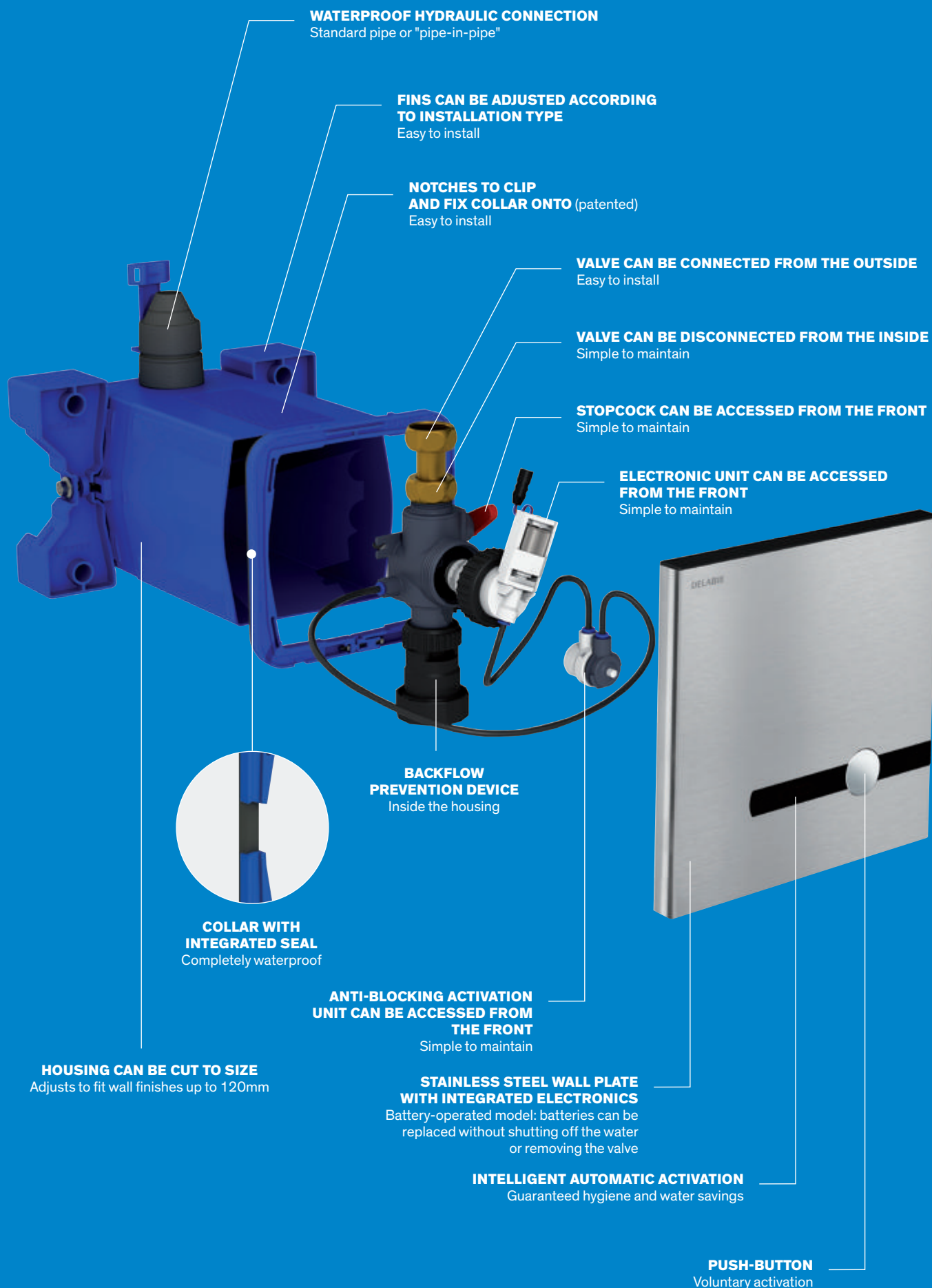
A red LED will flash for 15 days to indicate that the battery life is low. Since the batteries are housed inside the wall plate, they can be changed **without shutting off the water supply or removing the flush valve**. Unlike other standard products on the market, TEMPOMATIC dual control's **backflow prevention device is located inside the housing**. In case of backflow, the water will evacuate in front of the wall via the housing, and not behind (or into) the wall. The flush valve is suitable for grey water and sea water. The flush valve can be disconnected and removed from the inside, without removing the housing, for in-depth maintenance or protecting from frost.

Design

The TEMPOMATIC dual control wall plate has a **timeless design**, available in satin finish stainless steel with a chrome-plated metal push-button. Thanks to its **sleek lines**, it fits perfectly in any type of public and commercial building. Its smooth surface limits the build-up of dirt and facilitates cleaning. This new concept combines **design and functionality**: the electronics are integrated directly in the wall plate.

ADJUSTABLE, WATERPROOF HOUSING









- **Hygiene:** automatic flush, no water stagnation (reduces bacterial development)
- **Comfort:** voluntary activation (push-button) or automatic flush
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

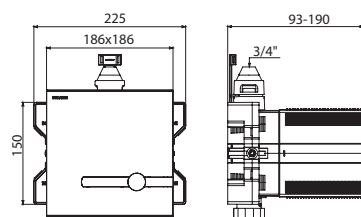
TEMPOMATIC dual control

Electronic direct flush valve in a waterproof housing



- **Battery-operated with 123 6V Lithium batteries** or **230/6V mains supply** (cable and transformer supplied).
- **Satin finish stainless steel wall plate 186 × 186mm** and chrome-plated metal button **with integrated electronics**.
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, activation and electronic unit are all integrated and accessible from the front.
 - TEMPOMATIC F¾" flush valve is compatible with sea water and grey water.
 - Backflow prevention device inside the housing.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- Shock-resistant infrared presence detection sensor.
- **Detection delay is 10 seconds.**
- **Voluntary activation** (anti-blocking push-button) or **automatically when the user leaves**.
- Independent push-button: the flush will activate even if the power supply fails.
- **"Intelligent" automatic rinsing** (flush volume adapts according to use).
- **3 programmes** (rinse volume can be set according to type of WC pan).
- **Hygienic duty flush**, every 24 hours (can be adjusted to 12 hours or OFF) after the last use.
- Outlet connection for PVC tube Ø 26/32mm.
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.

For version with TEMPOFIX 3 frame system: see page 216.



464PBOX + 464006

Provisional availability: 2nd half 2020.

Please contact the sales office to check availability.

TEMPOMATIC dual control WC flush valve in a waterproof housing	
6V battery-operated	464PBOX + 464006
230/6V mains supply	464SBOX + 464000

We recommend a flush tube (see page 202)



TEMPOMATIC electronic direct flush valve **463030** - S21 S wall-hung WC **110310** - WC seat **101819**
Jumbo toilet paper dispenser **2912** - Toilet brush set **4051S**



- **Hygiene:** automatic flush with no manual contact, no water stagnation (reduces bacterial development)
- **Comfort:** voluntary activation or automatic flush
- **Vandal-resistant:** cross wall or recessed installation
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly

TEMPOMATIC

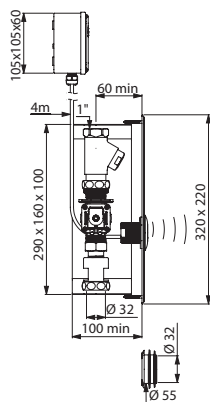
Recessed electronic flush valve



- Mains supply with 1" solenoid valve.
- 230/12V transformer.
- IP65 independent electronic unit.
- **Housing recessed behind a satin finish stainless steel wall plate 320 × 220mm.**
- Shock-resistant infrared presence detection sensor.
- **Voluntary activation** (when hand is moved towards the sensor, detection distance ~10cm) or **automatic flush** when the user leaves.
- **Time flow ~7 seconds**, can be adjusted from 3 - 12 seconds.
- **Detection distance, flow rate and flush volume can be adjusted.**
- Stopcock FF1".
- Vacuum breaker Ø 32mm.
- Connection washer Ø 32/55mm.
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).

For version with TEMPOFIX 3 frame system: see page 217.



463326

TEMPOMATIC WC recessed flush valve **463326**

Option: tamperproof screws (see page 255)

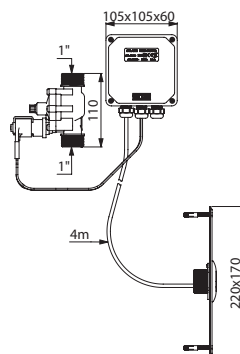
TEMPOMATIC

Recessed electronic flush valve



- Mains supply with 1" solenoid valve.
- 230/12V transformer.
- IP65 independent electronic unit.
- **Housing recessed behind a satin finish stainless steel plate 220 × 170mm.**
- Shockproof infrared presence detection sensor.
- **Voluntary activation** (when hand is moved towards the sensor, detection distance ~10cm) or **automatic flush** when the user leaves.
- **Time flow ~7 seconds**, can be adjusted from 3 - 12 seconds.
- **Detection distance, flow rate and flush volume can be adjusted.**
- Suitable for rimless WC pans.
- **Sea water compatible.**

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



463547

TEMPOMATIC WC recessed flush valve, sea water compatible **463547**

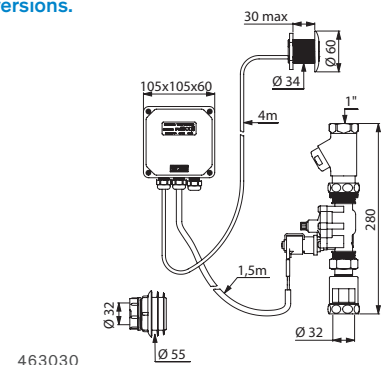
Option: tamperproof screws (see page 255)

TEMPOMATIC

Cross wall electronic flush valve



- Mains supply with 1" solenoid valve.
- 230/12V transformer.
- IP65 independent electronic unit.
- **For cross wall installation.**
- Shock-resistant infrared presence detection sensor.
- **Voluntary activation** (when hand is moved towards the sensor, detection distance ~10cm) or **automatic flush** when the user leaves.
- **Time flow ~7 seconds**, can be adjusted from 3 - 12 seconds.
- **Detection distance, flow rate and flush volume can be adjusted.**
- Stopcock FF1".
- Vacuum breaker Ø 32mm.
- Connection washer Ø 32/55mm.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.
- **Available without stopcock or backflow prevention device, for sea water compatible versions.**



463030

TEMPOMATIC WC cross wall flush valve

For walls ≤ 30mm	463030
For walls ≤ 30mm, sea water compatible	463030HK
For walls ≤ 160mm	463150
For walls ≤ 160mm, sea water compatible	463150HK
For walls ≤ 225mm	463200
For walls ≤ 225mm, sea water compatible	463200HK

Alternative cross wall lengths are available on request

TEMPOFLUX 3 RECESSED: 100% WATERPROOF RECESSING HOUSING, MODULAR AND ADAPTABLE

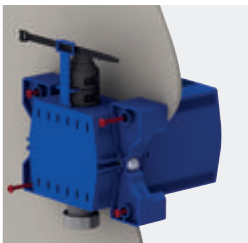
**One product
for all types of installation**
(adjustable fins)



Plasterboard rails



Solid walls



Panels

Water savings

TEMPOFLUX 3 with **3L/6L dual flush** optimises flushing and water consumption. The flush volume can be adjusted to 2L/4L to achieve the highest standards for environmental labels. *For more information see page 8.* The **AB anti-blocking device** controls the flush volume regardless of how long the push-button is pressed for.

Comfort

Thanks to its **soft-touch operation**, TEMPOFLUX 3 can be used by all users (children, the elderly or people with reduced mobility). The **acoustic level is low** and complies with European standard EN 12541 class II.

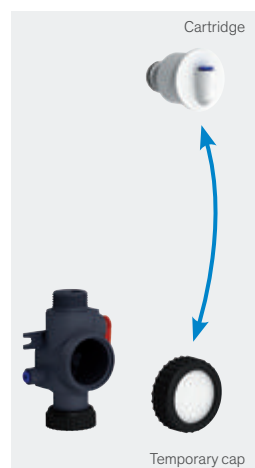
Quick and easy to install

There are multiple installation options for the housing: fixing via the sides onto **plasterboard rails**, from the front on to a **solid wall**, or from the rear onto a **panel**. The cut-to-size housing is the only product available that **can adjust to thick walls as well as thin partition walls**. It can be installed on walls up to 120mm: bricks or concrete blocks for public and commercial installations subject to high levels of vandalism. TEMPOFLUX 3 connects from the outside of the housing to a standard installation or a "pipe-in-pipe" connection.

During installation the cartridge is replaced by a temporary cap to facilitate and **secure the system flush**, without risking any damage to this sensitive element.

Resistant to intensive use and vandalism

The flush plate will withstand extreme levels of demand. The fixings are concealed. Streamlined designs discourage attempts at vandalism. To prevent abuse or waste, TEMPOFLUX 3 is fitted with an **AB anti-blocking system**. This security feature prevents the valve from being blocked in the open position. The flush takes place only when the push-button is released.



Secure system flush

Waterproof recessing

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and collar. DELABIE has developed a housing that can be cut to size in front of the collar, which ensures a **perfect seal**. The **waterproof seal is integrated into the collar**. The installer does not need to apply anything else (silicone, jointing compound, PTFE, etc.). The housing has notches to clip the collar onto and fix it in place easily (patented system).

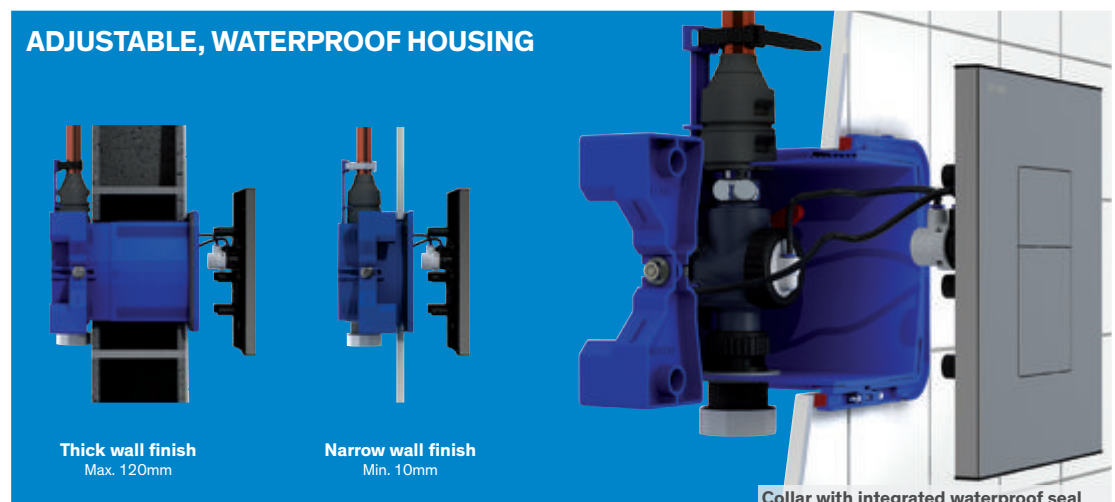
Minimal servicing and simple to maintain

The cartridge, activation unit and stopcock are all **accessible from the front**. Simply remove the wall plate to gain access. The flush volume can be adjusted (3L/6L or 2L/4L) directly on the rear of the wall plate **without shutting off the water supply or removing the flush valve**. Unlike other standard products on the market, TEMPOFLUX 3's **backflow prevention device is located inside the housing**. In case of backflow, the water will evacuate in front of the wall via the housing, and not behind (or into) the wall. The flush valve is suitable for grey water and sea water. The flush valve can be disconnected and removed from the inside, without removing the housing, for in-depth maintenance or protecting from frost.

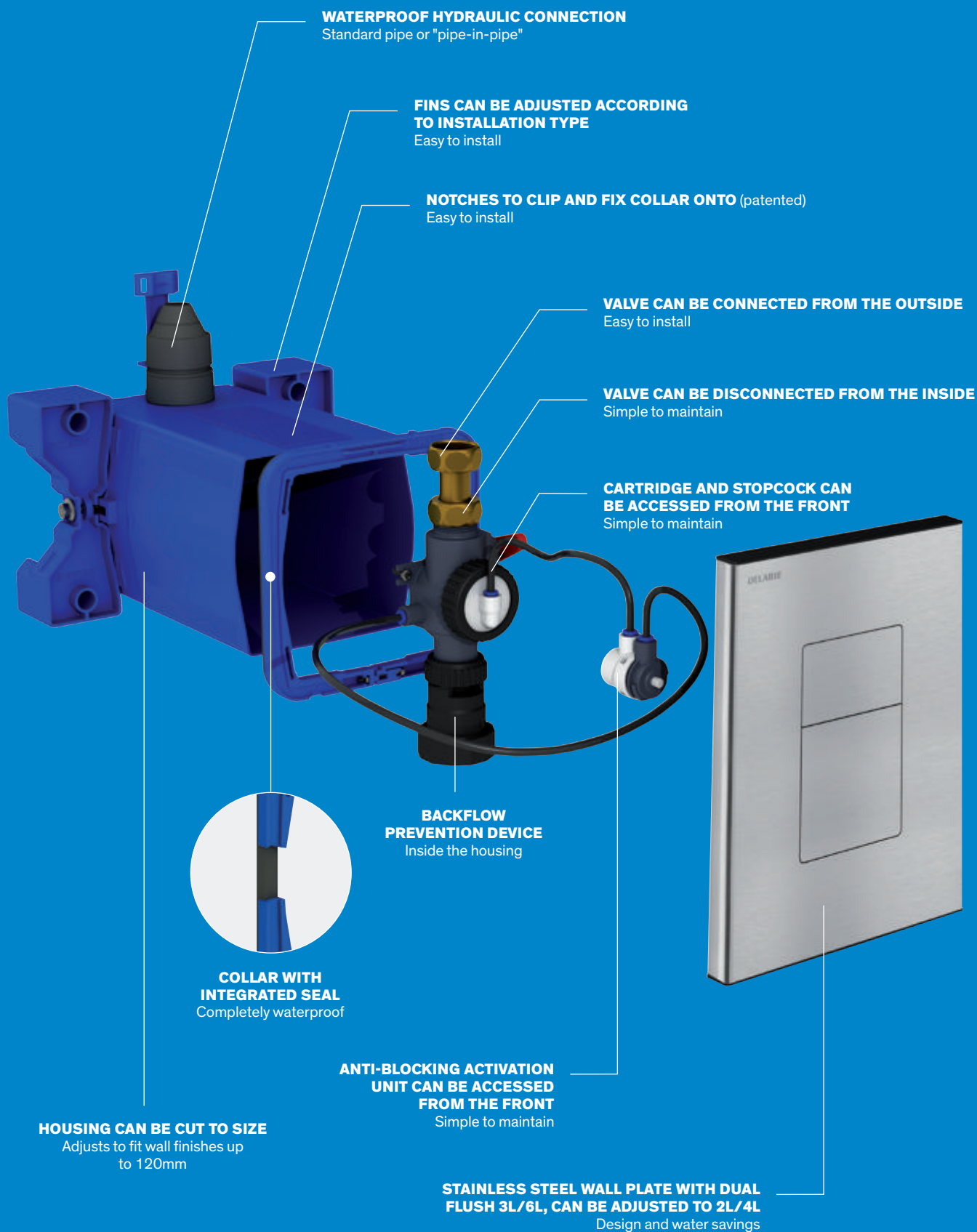
Design

The TEMPOFLUX 3's wall plate has a **timeless design**, available in two finishes: satin finish stainless steel or chrome-plated metal. Thanks to its **sleek lines**, it fits perfectly in any type of public and commercial building. Its smooth surface limits the build-up of dirt and facilitates cleaning.

ADJUSTABLE, WATERPROOF HOUSING



Collar with integrated waterproof seal







- **Hygiene:** no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, dual flush 3L/6L
- **Easy to install:** modular and adjustable waterproof housing (for walls and finishes)

TEMPOFLUX 3

Time flow direct flush valve in a waterproof housing



- **Chrome-plated metal 170 × 170mm** or **satin finish stainless steel wall plate 210 × 162mm**.
- **Waterproof recessing housing:**
 - Collar with waterproof seal.
 - Hydraulic connection from the outside and maintenance from the front.
 - Adjusts to all types of installation (rails, solid walls, panels).
 - Compatible with wall finishes 10 - 120mm (while maintaining the minimum recessing depth of 93mm).
 - Suitable for standard or "pipe-in-pipe" supply.
 - Stopcock and flow rate adjustment, activation unit and cartridge are all integrated and accessible from the front.
 - TEMPOFLUX 3 3/4" flush valve is compatible with sea water and grey water.
 - Backflow prevention device inside the housing.
 - Supplied in 2 kits: secure system flush without sensitive elements.
- **Soft-touch operation.**
- **AB anti-blocking system:** water only flows when push-button is released.
- **Dual flush 3L/6L, can be adjusted to 2L/4L.**
- Outlet connection for PVC tube Ø 26/32mm.
- Acoustic level complies with European standard EN 12541 class II.
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.

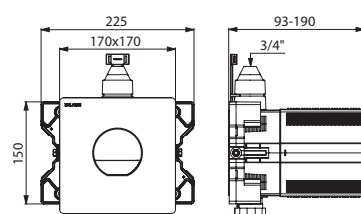
For version with TEMPOFIX 3 frame system: see page 221.

Provisional availability: 1st half 2020.

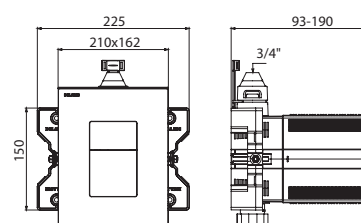
Please contact the sales office to check availability.

TEMPOFLUX 3 flush valve in a waterproof housing	
Chrome-plated metal wall plate	763BOX + 763040
Satin finish stainless steel wall plate	763BOX + 763000

We recommend a flush tube (see page 202)



763BOX + 763040



763BOX + 763000



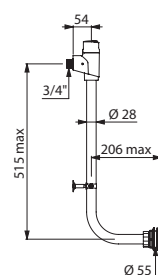
- **Hygiene:** no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, 3L/6L dual flush
- **Vandal-resistant:** chrome-plated solid brass, AB anti-blocking system

TEMPOFLUX 3

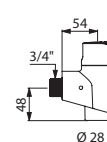
Exposed time flow flush kit



- For wall-mounted, exposed installation.
- **3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **AB anti-blocking system:** water only flows when push-button is released.
- **Vacuum breaker.**
- **Integrated stopcock and flow rate adjuster.**
- Chrome-plated metal body and push-button.
- Angled inlet M $\frac{3}{4}$ ".
- **Acoustic level complies with European standard EN 12541 class II.**
- DELABIE patented.
- Base flow rate: 1 L/sec.
- Available with or without stainless steel outlet tube.



763203



763201

*Provisional availability: 1st half 2020.
Please contact the sales office to check availability.*

TEMPOFLUX 3 exposed	
Kit with tube, collar and connection washer	763203
Exposed time flow valve only	763201



- **Hygiene:** no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, 3L/6L dual flush
- **Vandal-resistant:** recessed or cross wall installation

TEMPOFLUX 2

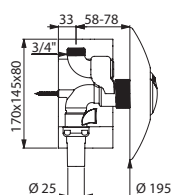
Recessed time flow flush valve



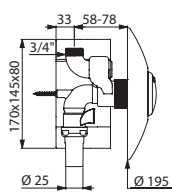
- Chrome-plated metal wall plate Ø 195mm.
- Multipurpose recessing housing.
- Recessing depth can be adjusted 0 - 20mm.
- **Available with 6L single flush or 3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body.
- Chrome-plated metal push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Outlet connection for PVC tube Ø 26/32mm.
- **Acoustic level complies with European standard EN 12541 class II.**
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).

For version with TEMPOFIX 3 frame system: see page 222.



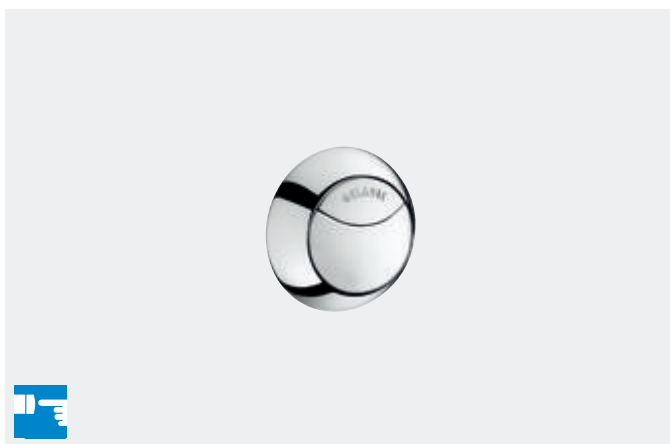
762902



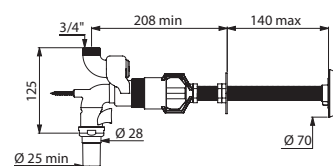
762901

TEMPOFLUX 2

Cross wall time flow flush valve



- For walls ≤ 140mm.
- **3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body.
- Chrome-plated metal push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Outlet connection for PVC tube Ø 26/32mm.
- Threaded rod can be cut to size.
- **Acoustic level complies with European standard EN 12541 class II.**
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.



762150

TEMPOFLUX 2 recessed	
3L/6L dual flush (DELABIE patented)	762902
6L single flush	762901

TEMPOFLUX 2 cross wall	762150
------------------------	--------



- **Hygiene:** no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** chrome-plated solid brass, recessed or cross wall installation

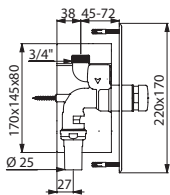
TEMPOFLUX 1

Recessed time flow flush valve



- Satin finish stainless steel plate 220 × 170mm.
- Multipurpose recessing housing.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Outlet connection for PVC tube Ø 26/32mm.
- Base flow rate: 1 L/sec.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



761627

TEMPOFLUX 1 recessed with stainless steel plate	761627
Option: tamperproof screws (see page 255)	

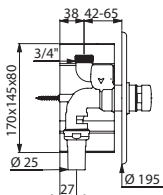
TEMPOFLUX 1

Recessed time flow flush valve



- Chrome-plated brass wall plate Ø 195mm.
- Multipurpose recessing housing.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Outlet connection for PVC tube Ø 26/32mm.
- Base flow rate: 1 L/sec.

This model does not have a waterproof recessing housing. The installer must ensure that the recessing area is waterproof and any leaks or condensation can drain away (see installation guide).



761900

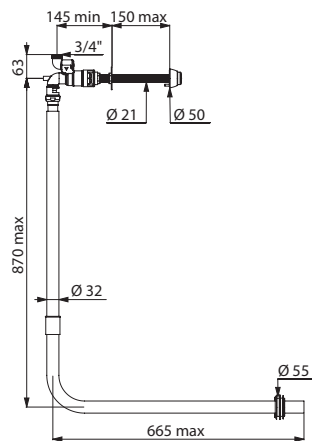
TEMPOFLUX 1 recessed with chrome-plated wall plate	761900
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TEMPOFLUX 1

Cross wall time flow flush kit



- For cross wall installation.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Connection washer Ø 32/55mm.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec.
- Available with or without PVC flush tube Ø 32mm.



761700

TEMPOFLUX 1 cross wall kit	
For walls ≤ 150mm, with PVC tube	761700
For walls ≤ 200mm, without tube	761200
Alternative cross wall lengths are available on request	



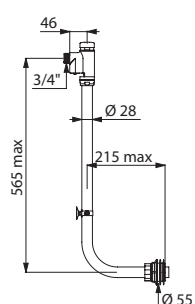
- **Hygiene:** no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** chrome-plated solid brass

TEMPOFLUX 1

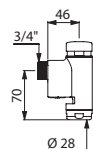
Compact time flow flush kit



- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Chrome-plated solid brass body and push-button.
- Angled inlet M $\frac{3}{4}$ ".
- Base flow rate: 1 L/sec.
- Available with or without stainless steel outlet tube.



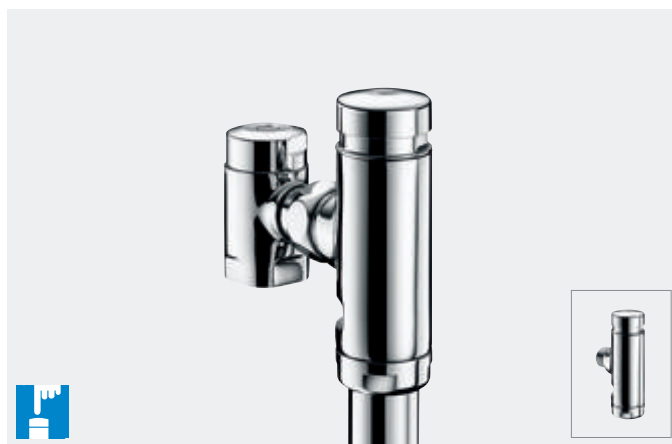
761003



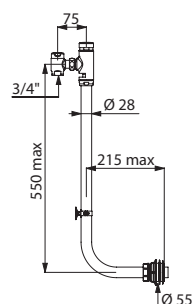
761001

TEMPOFLUX 1

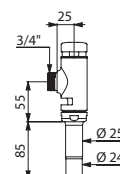
Exposed time flow flush kit



- For wall-mounted, exposed installation.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Available with or without stopcock and flow rate/flush volume adjuster.**
- Chrome-plated solid brass body and push-button.
- Angled inlet M $\frac{3}{4}$ ".
- Base flow rate: 1 L/sec.
- Available with or without stainless steel outlet tube.



761002



761025

TEMPOFLUX 1 exposed

With separate elbow stopcock F $\frac{3}{4}$ "

Kit with tube, collar and connection washer	761002
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Without stopcock M $\frac{3}{4}$ "

Kit with tube, collar and connection washer	761004
With outlet nut Ø 28mm, without flush tube	761000
With outlet tube Ø 25mm and Ø 24mm (replacements for SCHELL & BINE 120000 models)	761025

Accessories

Elbow stopcock FF $\frac{3}{4}$ "	765020
Flat wall plate	292020

TEMPOFLUX 1 compact

Kit with tube, collar and connection washer	761003
Exposed time flow valve only	761001



- **Hygiene:** no water stagnation (reduces bacterial development)
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** chrome-plated solid brass, shock-resistant mechanism, for recessed or cross wall installation

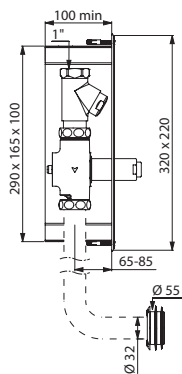
TEMPOCHASSE

Recessed time flow flush valve



- Satin finish stainless steel plate 320 × 220mm.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **In-line rough brass stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- Shock-resistant mechanism.
- In-line inlet F1".
- Connection washer Ø 32/55mm.
- Base flow rate: 1.2 L/sec.

*This model does not have a waterproof recessing housing.
The installer must ensure that the recessing area is waterproof
and any leaks or condensation can drain away (see installation guide).*



760220

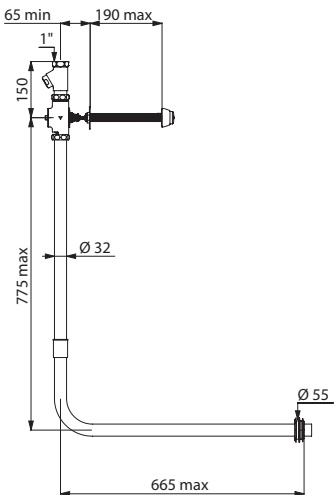
TEMPOCHASSE recessed flush valve	760220
Option: tamperproof screws (see page 255)	

TEMPOCHASSE

Cross wall time flow flush kit



- Cross wall control for walls ≤ 190mm.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **In-line rough brass stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- Shock-resistant mechanism.
- In-line inlet F1".
- Connection washer Ø 32/55mm.
- Threaded rod can be cut to size.
- Base flow rate: 1.2 L/sec.
- Available with or without PVC flush tube Ø 32mm.



760700

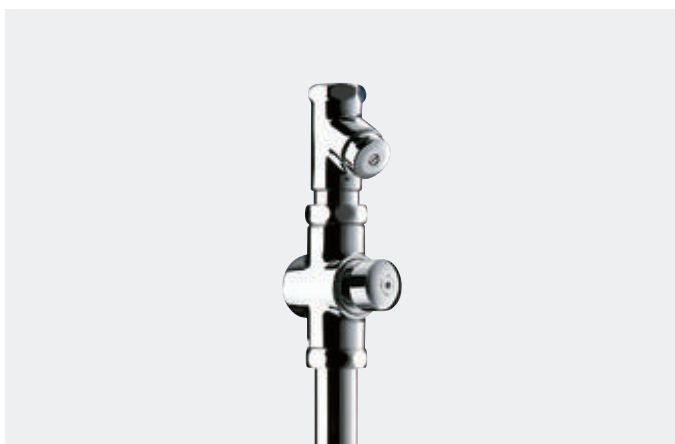
TEMPOCHASSE cross wall kit	
With PVC elbow flush tube Ø 32mm	760700
Without flush tube	760150
Alternative cross wall lengths are available on request	



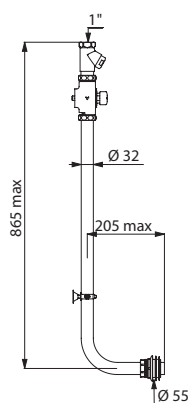
- **Hygiene:** no water stagnation (reduces bacterial development)
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** chrome-plated solid brass, shock-resistant mechanism

TEMPOCHASSE

Exposed time flow flush kit



- For wall-mounted, exposed installation.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **F1" chrome-plated brass stopcock and flow rate/flush volume adjuster.**
- Chrome-plated solid brass body and push-button.
- Shock-resistant mechanism.
- Bright polished stainless steel elbow flush tube Ø 32mm with nut and collar.
- Connection washer Ø 32/55mm with clamp.
- Base flow rate: 1.2 L/sec.



760004

TEMPOCHASSE exposed kit

For conventional pans

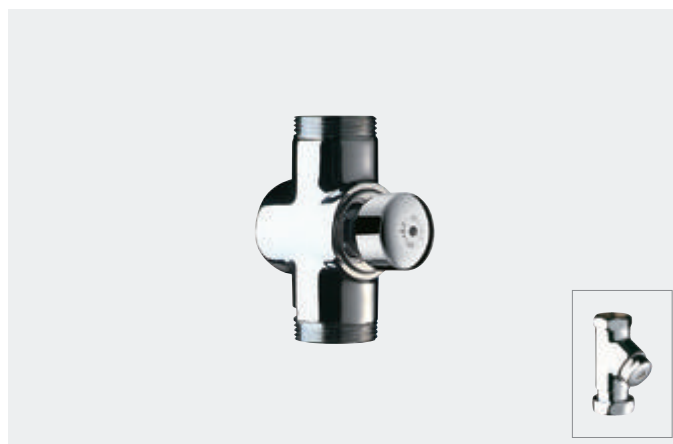
With in-line stopcock	760004
With elbow stopcock	760005

For slop hoppers

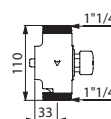
With in-line stopcock and offset flush tube 40mm	760450
With in-line stopcock and straight flush tube	760460

TEMPOCHASSE

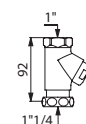
Exposed time flow flush valve



- For wall-mounted, exposed installation.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- Chrome-plated solid brass body and push-button.
- Shock-resistant mechanism.
- In-line inlet M1¼".
- Base flow rate: 1.2 L/sec.



760000



764000



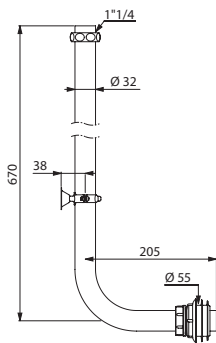
765000

TEMPOCHASSE exposed flush valve

With push-button	760000
In-line stopcock	764000
Elbow stopcock	765000

Flush tube for WC pans

For TEMPOCHASSE exposed



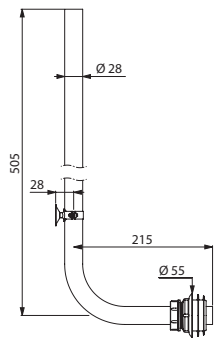
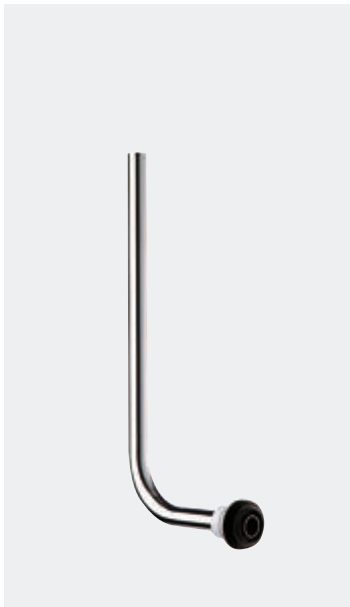
766001

- Elbow flush tube Ø 32mm with nut 1 1/4".
- Collar and connection washer Ø 32/55mm with clamp.

Flush tube for WC pans	
Bright polished stainless steel L. 205mm, H. 670mm	766001
PE L. 215mm, H. 665mm	769001

Flush tube for WC pans

For TEMPOFLUX 1 and 3 exposed and compact



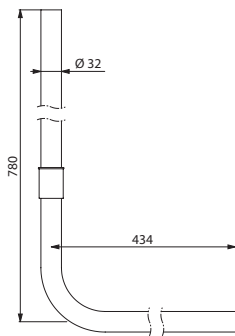
766002

- Bright polished stainless steel elbow flush tube Ø 28mm with collar and no nut.
- With connection washer Ø 28/55mm with clamp.

Flush tube for WC pans	766002
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Cross wall / recessed flush tube for WC pans

For TEMPOMATIC, TEMPOFLUX and TEMPOCHASSE



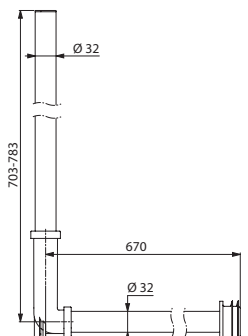
769400

- For TEMPOMATIC, TEMPOFLUX 1, TEMPOFLUX 2, TEMPOFLUX 3 and TEMPOCHASSE.
- PVC tube for recessed or cross wall installation.
- Ø 26/32mm (without connection washer).

Cross wall / recessed flush tube for WC pans	769400
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Cross wall / recessed flush tube for WC pans

For TEMPOMATIC, TEMPOFLUX and TEMPOCHASSE



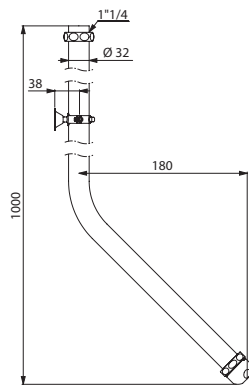
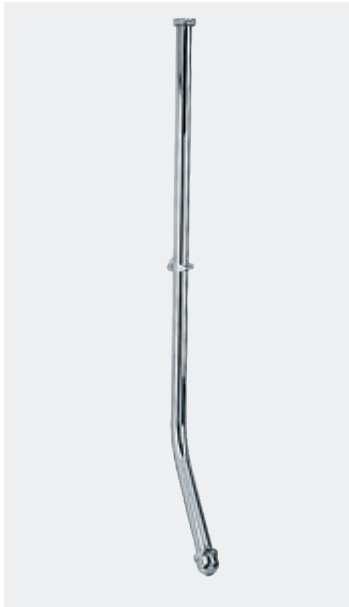
769500

- For TEMPOMATIC, TEMPOFLUX 1, TEMPOFLUX 2, TEMPOFLUX 3 and TEMPOCHASSE.
- PVC tube, HDPE pipe.
- For recessed or cross wall installation on walls ≥ 60mm to fix the lug screw.
- Ø 26/32mm with connection washer.

Cross wall / recessed flush tube for WC pans	769500
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Flush tube for squat WCs

For TEMPOCHASSE exposed



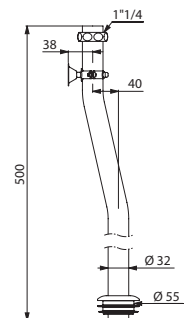
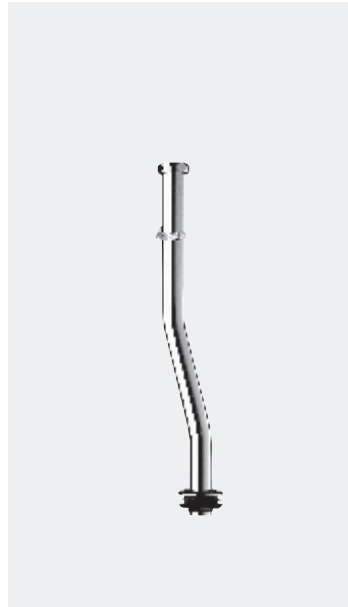
767004

- Chrome-plated brass flush tube Ø 32mm angled 45°.
- Collar, nut and 1 1/4" water nozzle.

Flush tube for squat WCs	767004
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Flush tube for slop hoppers

For TEMPOCHASSE exposed

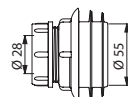


767006

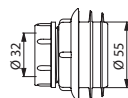
- Chrome-plated brass tube Ø 32mm off-set 40mm.
- With nut 1 1/4", collar, connection washer Ø 32/55mm and wall plate Ø 65mm.

Flush tube for slop hoppers	767006
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Connection washer



705028



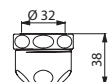
705000

- With clamp.
- Neck Ø 55mm.

Connection washer	
For tubes Ø 28mm	705028
For tubes Ø 32mm	705000

Water nozzle

For squat WCs



702032

- Chrome-plated brass.
- For flush tubes Ø 32mm.

Water nozzle	702032
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Frame systems

FRAME SYSTEMS
FOR URINALS
208



FRAME SYSTEMS
FOR WCs
214



ADDITIONAL
FITTINGS
224





TEMPOFIX 3 frame system with TEMPOFLUX 3 time flow direct flush valve **564065 + 763000** - S21 S wall-hung WC **110310**
Toilet brush set **4051S** - Jumbo toilet paper dispenser **2912** - Coat hook **4043S**

TEMPOFIX 3: SPECIFICALLY DESIGNED FOR INTENSIVE USE IN PUBLIC AND COMMERCIAL PLACES

Easy to install

Installation and commissioning time should be taken into account when determining the total product cost, especially when installing a large number of products in public and commercial places.

The **TEMPOFIX 3** frame system is delivered **pre-mounted**.

The remaining components (flush tube and soil pipe) are assembled by clipping into place.

It is quick and easy to install.

When fixing the **self-supporting** TEMPOFIX 3 version of the frame system, the floor quality is the main criteria: the concrete floor should withstand a minimum load of 350kg/m³.

It is possible to install on non-load bearing floors (parquet, floors with underfloor heating, etc.) thanks to the wall-mounted model which is fixed to load-bearing walls.

DELABIE recommends a 25mm minimum wall thickness + tiling (= 2 × 1/2" wall boards or 1 × 1" wall board).

Easy to adjust

Adjusting the pan height is simple: a mark indicates the "1-metre" point from the floor surface on the frame system.

Vandal-resistant

The structure of DELABIE's frame system is made from powder-coated steel. Its design provides it with an unrivalled resistance to deformation.

The French standard NF D12-208 requires that frame systems flex no more than 5mm when subjected to a uniformly distributed load of 400kg.

The TEMPOFIX 3 withstands 400kg loads and therefore meets this requirement.

It is delivered with large stable feet (for self-supporting installation) or with wall fixings (for wall-mounted installation).

Advantages of wall-hung WCs

The height of the pan can be adjusted to suit the needs of the user, from children to people with reduced mobility.

A wall-hung WC allows easy access to clean the floor below the WC pan.

Space saving

On average the TEMPOFIX 3 takes up **30% less space** than other frame systems on the market. It is one of the most compact frame systems.

With no need for a cistern, it can be installed in the tightest of places such as service ducts.

The wall-anchoring bolts enable two TEMPOFIX 3 to be fixed back-to-back in a communal service duct (in Ladies and Gents toilets) without the need for a partition wall.

Optimised for stocking

Reduced frame weight and product packaging save space for storage and are an advantage for being kept on construction sites.

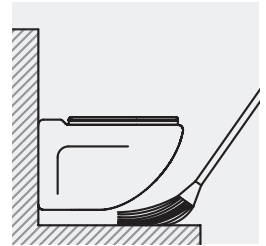
Products suited to the needs of public and commercial places

Increasingly in public and commercial places, plasterboard walls are being replaced by gypsum blocks, brick, or even cinder blocks in order to improve the durability of the installations.

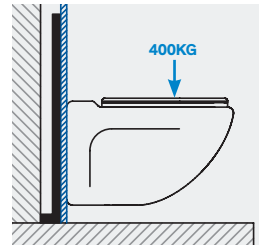
The TEMPOFIX 3, equipped with a new waterproof recessing housing, functions electronically (TEMPOMATIC dual control) or with timed flow (TEMPOFLUX 3), and the one model can **adjust to any type of wall finish from 10 - 120mm**.

DELABIE has developed its range of TEMPOFLUX 2 direct flush valves, offering extended versions of the valves and frames so that they can be adjusted to **thicker walls up to 130mm**.

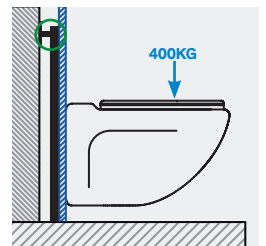
Such an innovative installation would prove difficult to achieve with cisterns.



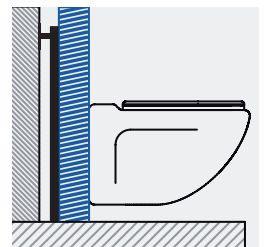
Easy to clean



Self-supporting TEMPOFIX 3



Wall-mounted TEMPOFIX 3



TEMPOFIX 3 for thick walls

TEMPOFIX 3 WITH TEMPOMATIC 4



Simple to install



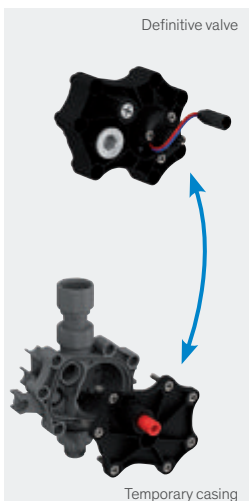
Design



Water savings



Hygiene



Secure system flush

Easy to install

Installation and commissioning time should be taken into account when determining the total product cost, especially when installing a large number of products in public and commercial places.

The TEMPOFIX 3 frame system **is delivered pre-mounted**. The remaining components (neck tube and soil pipe) are assembled by clipping into place.

The height and width of the frame system are easy to adjust to adapt to all the urinals available on the market. It is quick and easy to install.

The TEMPOMATIC 4 urinal connects from the outside of the housing to a **standard installation or a "pipe-in-pipe" connection**.

The cut-to-size housing is the only product available that **can adjust to thick walls as well as thin partition walls**. It can be installed on walls up to 120mm: bricks or concrete for public and commercial installations subject to high levels of vandalism.

Secure system flush

During installation, the sensitive elements (solenoid valve, filter and stopcock) are replaced by a temporary casing to facilitate and **secure the system flush**.

Perfect seal

Standard housings on the market are designed to be cut to size flush to the wall, which increases the risk of leaks between the wall and collar.

DELABIE has developed a housing that can be cut to size in front of the collar, which ensures a **perfect seal**. The **waterproof seal is integrated into the collar**.

The installer does not need to apply anything else (silicone, jointing compound, PTFE, etc.).

The housing has notches to clip the collar onto and fix it in place easily (patented system).

Design

The TEMPOMATIC 4 wall plate has a **timeless design**, available in bright polished, satin, black or white finish. Compact and discreet, it fits perfectly in any type of public and commercial building. Its smooth surface limits the build-up of dirt and facilitates cleaning.

This new concept combines **design and functionality**: the electronics are integrated directly in the wall plate.

Water savings

Thanks to its optimised flow rate and time flow, the TEMPOMATIC 4 rinse provides just the necessary flush volume and, therefore, the best compromise between water consumption and efficacy.

It also features the **high-frequency mode**.

For more information see page 146.

Hygiene

The TEMPOMATIC 4 recessed urinal flush rinses automatically after each user leaves. No manual contact prevents the spread of germs by hand.

The **hygienic duty flush** prevents bacterial proliferation and the problem of vacuums.

The TEMPOMATIC 4 is supplied with a **reduced-stagnation solenoid valve**.

For more information see page 145.

Minimal servicing and simple to maintain

The solenoid valve, filter and stopcock are all **accessible from the front**. Simply remove the wall plate to gain access.

A red LED will flash for 15 days to indicate that the battery life is low. Since the batteries are housed inside the wall plate, they can be changed **without shutting off the water supply or removing the urinal valve**.

Maintenance is quick and simple thanks to pre-assembled spare parts.

The urinal valve is suitable for grey water and sea water.

The urinal valve can be disconnected and removed from the inside, without removing the housing, if the urinal valve requires in-depth maintenance or protecting from frost.



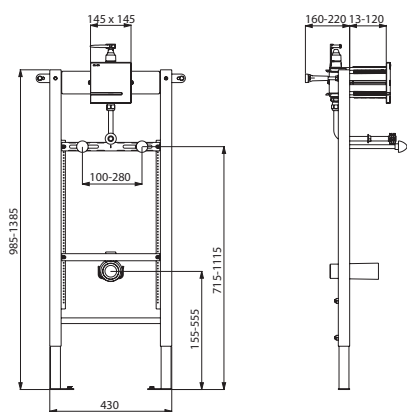




- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted, clip into place assembly
- **Vandal-resistant:** install behind a solid partition wall, concealed fixings
- **Hygiene:** systematic individual rinsing without manual contact, hygienic duty flush

TEMPOFIX 3 with TEMPOMATIC 4

Frame system with electronic urinal valve



543006 + 430016

- Black powder-coated steel frame for wall-mounted installation.
- Fixes to floor and load-bearing walls, anchoring bolts supplied.
- Adjustable bracket 100 - 280mm.
- Frame height can be adjusted from 0 - 200mm.
- Ø 50mm soil pipe with waterproof seal.
- Delivered pre-mounted.
- **Complies with French standard NF D12-208.**
- **Compatible with solid wall finishes from 13 - 120mm.**

Fitted with TEMPOMATIC 4 F½" electronic valve:

- Battery-operated with 123 6V Lithium batteries or 230/6V mains supply (cable and transformer supplied).
- Wall plate 145 × 145mm with integrated electronics.
- Shock-resistant infrared presence detection sensor.
- Waterproof recessing housing.
- Detection delay is 10 seconds.
- **3 programmes** (rinse volume can be set according to urinal type).
- **High-frequency mode** (exclusive to DELABIE).
- **Hygienic duty flush** every 24 hours (can be adjusted to 12 hours or OFF) after last use: prevents vacuums.
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Connection with Ø 35mm connection washer (for standard urinals) or ½" brass connection (for urinals supplied by flexible).

Technical characteristics: see *TEMPOMATIC 4 urinal* page 153.

TEMPOFIX 3 with TEMPOMATIC 4 urinal valve

6V battery-operated models

Bright polished finish stainless steel - urinal Ø 35mm	543006 + 430016
Bright polished finish stainless steel urinal with flexible ½"	543006D + 430016
Satin finish stainless steel - urinal Ø 35mm	543006 + 430006
Satin finish stainless steel - urinal with flexible ½"	543006D + 430006
White powder-coated finish stainless steel urinal Ø 35mm	543006 + 430026
White powder-coated finish stainless steel urinal with flexible ½"	543006D + 430026
Black glass finish, shock-resistant vitro-ceramic urinal Ø 35mm	543006 + 430036
Black glass finish, shock-resistant vitro-ceramic urinal with flexible ½"	543006D + 430036

230/6V mains supply models

Bright polished finish stainless steel - urinal Ø 35mm	543000 + 430010
Bright polished finish stainless steel urinal with flexible ½"	543000D + 430010
Satin finish stainless steel - urinal Ø 35mm	543000 + 430000
Satin finish stainless steel - urinal with flexible ½"	543000D + 430000
White powder-coated finish stainless steel urinal Ø 35mm	543000 + 430020
White powder-coated finish stainless steel urinal with flexible ½"	543000D + 430020
Black glass finish, shock-resistant vitro-ceramic urinal Ø 35mm	543000 + 430030
Black glass finish, shock-resistant vitro-ceramic urinal with flexible ½"	543000D + 430030



- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted
- **Vandal-resistant:** install behind a solid partition wall, concealed fixings
- **Hygiene:** systematic individual rinsing without manual contact, hygienic duty flush

TEMPOFIX 3 with TEMPOMATIC

Frame system with electronic urinal valve



- Black powder-coated steel frame for wall-mounted installation.
- Fixes to floor and load-bearing walls, anchoring bolts supplied.
- Adjustable bracket 100 - 280mm.
- Frame height can be adjusted from 0 - 200mm.
- Ø 50mm soil pipe with waterproof seal.
- Delivered pre-mounted.
- **Complies with French standard NF D12-208.**
- **Compatible with solid wall finishes from 40 - 190mm.**

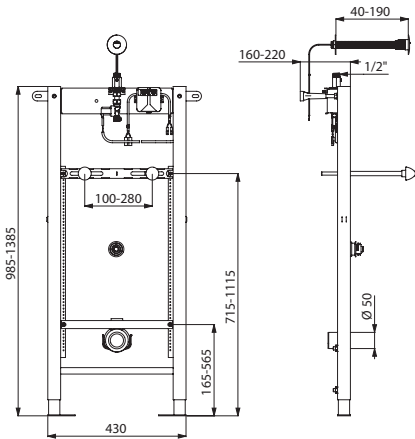
Fitted with a TEMPOMATIC M½" electronic urinal valve:

- Mains supply, electronic control unit 12V with solenoid valve, filter and stopcock.
- Shock-resistant infrared presence detection sensor.
- Detection distance, time flow and flow rate can be adjusted during installation.
- We recommend a 230/12V transformer (see below).
- Detection delay is 3 seconds.
- Automatic pre-rinse is possible.
- **Time flow pre-set at ~3 seconds**, can be adjusted from 3 - 12 seconds.
- **Hygienic duty flush** every 24 hours after the last use: prevents vacuums.
- **Flow rate 0.3 L/sec.** at 3 bar, can be adjusted.
- Wall plate is flush to the wall.
- Threaded rod can be cut to size.

Technical characteristics: see TEMPOMATIC urinal page 155.



TEMPOFIX 3 with TEMPOMATIC urinal valve	
For solid walls from 40 - 190mm	543100
Transformer 230/12V for 1 - 5 TEMPOMATIC urinals	
Without housing	406000
In a waterproof housing	406220



543100



- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted, clip into place assembly
- **Vandal-resistant:** install behind a solid partition wall, concealed fixings
- **Comfort:** soft-touch operation

TEMPOFIX 3 with TEMPOFLUX

Frame system with time flow urinal valve

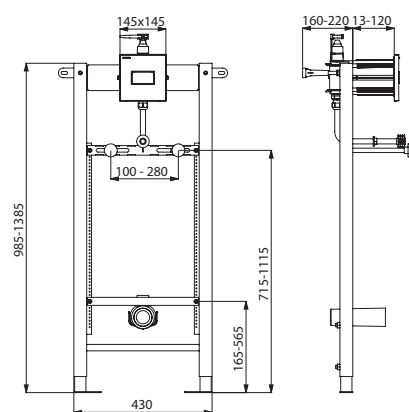


- Black powder-coated steel frame for wall-mounted installation.
- Fixes to floor and load-bearing walls, anchoring bolts supplied.
- Adjustable bracket 100 - 280mm.
- Frame height can be adjusted from 0 - 200mm.
- Ø 50mm soil pipe with waterproof seal.
- Delivered pre-mounted.
- **Complies with French standard NF D12-208.**
- **Compatible with solid wall finishes from 13 - 120mm.**

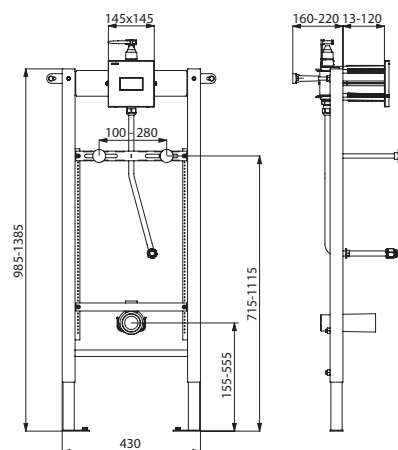
Fitted with a TEMPOFLUX F½" time flow urinal valve:

- Satin finish stainless steel wall plate 145 × 145mm.
- Waterproof recessing housing.
- **Soft-touch operation.**
- **Time flow pre-set at ~3 seconds**, can be adjusted from 3 - 7 seconds (patented).
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted up to 0.3 L/sec.
- Connection with Ø 35mm connection washer (for standard urinals) or ½" brass connection (for urinals supplied by flexible).

Technical characteristics: see *TEMPOFLUX urinal* page 163.



543006 + 778700



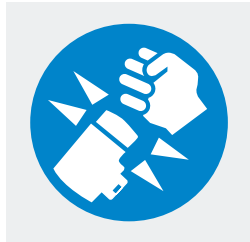
543006D + 778700

TEMPOFIX 3 with TEMPOFLUX urinal valve

For urinals Ø 35mm	543006 + 778700
For urinals with flexible ½"	543006D + 778700



Dual flush



Vandal-resistant



Soft technology:
soft-touch operation

DIRECT FLUSH VALVES: SPECIFICALLY DESIGNED FOR INTENSIVE USE IN COMMERCIAL PLACES

The direct flush valve is specifically designed to meet the needs of highly frequented public washrooms.

Efficient direct flush

The flush valve is connected directly to the water supply. Employing **the pressure from the system**, the flush is more effective. There is **no delay** while the cistern refills. Direct flush is always available, even for successive flushes, solving the problem of **intensive use**.

Hygiene

Since the flush is connected to the system, there is **no water stagnation, scale build-up or impurity deposits**, factors that encourage the development of bacteria. The effective direct flush ensures the pan remains clean. With electronic sensor controls (TEMPOMATIC), **no manual contact is required**.

Water savings and environmental labels

Reinforced mechanisms reduce the risk of leaks. The TEMPOFLUX 2 and TEMPOFLUX 3 ranges with **3L/6L dual flush** optimise water consumption. The flush volume can be **adjusted to 2L/4L** for ECO pans, achieving the highest performance standards for international labels.

For more information see page 8.

Vandal-resistant

The mechanisms and controls are shock-resistant and have no fragile plastic parts. The fixings are concealed.

Minimal servicing and simple to maintain

The self-cleaning mechanism is made from scale-resistant materials. Cartridges are interchangeable. Access to the system is direct without having to remove the flush valve.

Superior endurance

The mechanisms are **hard-wearing**. The system is self-cleaning, which extends its **lifespan** to over **500,000 operations**. DELABIE's flush valves perform to the highest standards. Each model is subjected to endurance tests under extreme conditions in endurance laboratories.

Comfort

The **low acoustic level** of TEMPOFLUX 2 and TEMPOFLUX 3 complies with European standard EN 12541 class II.

These ranges feature **soft-touch operation** which allows all types of users to activate the flush easily. The TEMPOMATIC electronic versions avoid any manual contact and require no effort to operate (children, the elderly or people with reduced mobility).

Supply pipe diameters

The supply pipe diameters for direct flush are similar to cistern systems (*see opposite page*).

ADVANTAGES OF DIRECT FLUSH

VANDAL-RESISTANT:
shock-resistant mechanisms, concealed fixings

EASY AND INFREQUENT MAINTENANCE:
standardised cartridge can be changed without removing the valve, withstands up to 500,000 operations

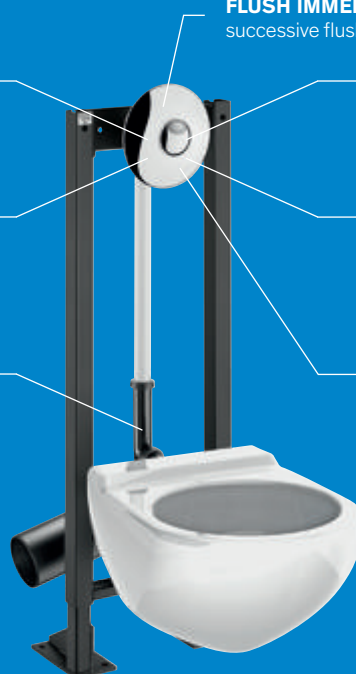
POWERFUL FLUSH:
uses the pressure of the system

FLUSH IMMEDIATELY AVAILABLE:
successive flushes are possible

WATER SAVINGS:
3L/6L dual flush, can be adjusted to 2L/4L

MINIMAL SERVICING:
scale-resistant mechanisms

HYGIENE:
no water stagnation, scale build-up or impurity deposits



CALCULATION RECOMMENDATIONS

Simultaneous use

We recommend the [following calculations to determine the number of direct flush valves](#). The flush timing is actually very short (7 seconds) and there is no refill time. As a result, the pipework diameter calculations for direct flush are different to those for cistern flush valves. We recommend the following method:

Number of valves installed	Number of valves used simultaneously
3 valves	1 valve
4 - 12 valves	2 valves
13 - 24 valves	3 valves
25 - 50 valves	4 valves
> 50 valves	5 valves

Calculation method

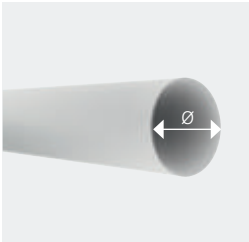
The French regulation bases the calculations on a flow rate of 1.5 L/sec. for direct flush valves. However, for non-domestic applications, it is highly recommended to refer to the manufacturers' guidelines. TEMPOFLUX models work perfectly well at 1 L/sec. Example showing the calculations for a block of 20 WCs fitted with direct flush valves: we anticipate that a maximum of 3 out of 20 will be activated simultaneously.

**1 L/sec. x 3 flush valves = 3 L/sec.
The branch supply pipe diameter for the 20 WCs would be 2".**

For more information see page 248.



Operates at 1 L/sec.



Pipework diameter

THE CISTERN: DESIGNED FOR DOMESTIC USE

The cistern, designed for domestic use, is not suitable for public and commercial buildings.

Fragile design

Made from plastic, the cistern and mechanisms are fragile. They are a source of leaks which are not always noticed immediately because they are inaudible and not easy to see. Cisterns are a primary source of wasted water in a system. For example, a small leak can cause losses of 220m³ or a total of 748€/year (cost of cold water m³: 3.40€, source: *centre d'information de l'eau, France*).

Difficult to service

Cistern maintenance in public and commercial buildings is not easy: removal and access to the mechanism is difficult and increasingly regular interventions are required.

Lack of hygiene

Cistern systems provide niches where bacteria can develop: stored water in the cistern stagnates and can rapidly lead to the development of bacteria which then spread through the rest of the system.



Cisterns designed for domestic use

DISADVANTAGES OF CISTERNS FOR PUBLIC AND COMMERCIAL USE





- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted, clip into place assembly
- **Hygiene:** automatic flush, no water stagnation (reduces bacterial development)
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly

TEMPOFIX 3 with TEMPOMATIC dual control

Frame system with electronic WC flush valve



- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- Soil pipe:
 - PVC, Ø 100mm outlet to be glued onto the waterproof seal, with 2 setting positions (ref. 564065, 564005, 564060 and 564000).
 - ABS, with Ø 90mm HDPE sleeve connector (ref. 564065BE, 564005BE, 564060BE and 564000BE) or Ø 110mm (ref. 564065DE, 564005DE, 564060DE and 564000DE) with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Complies with French standard NF D12-208.**
- **Compatible with solid wall finishes from 10 - 120mm.**

Available in 2 versions:

Self-supporting frame system with large feet to fix to load-bearing floors.
Wall-mounted frame system to fix to load-bearing walls.

Fitted with TEMPOMATIC dual control F¾" electronic direct flush valve:

- Battery-operated with 123 6V Lithium batteries or 230/6V mains supply (cable and transformer supplied).
- Satin finish stainless steel wall plate 186 × 186mm and chrome-plated metal button with integrated electronics.
- Waterproof recessing housing.
- Detection delay is 10 seconds.
- **Voluntary activation** (anti-blocking push-button) or **automatically** when the user leaves.
- **"Intelligent" automatic rinsing** (flush volume adapts according to use).
- **3 programmes** (rinse volume can be set according to type of WC pan).
- **Hygienic duty flush**, every 24 hours (can be adjusted to 12 hours or OFF) after the last use.
- Backflow prevention device inside the housing.
- Integrated stopcock and flow rate adjuster.
- Compatible with sea water and grey water.

Technical characteristics: see *TEMPOMATIC dual control* page 189.

Provisional availability: 2nd half 2020.

Please contact the sales office to check availability.

TEMPOFIX 3 with TEMPOMATIC WC dual control

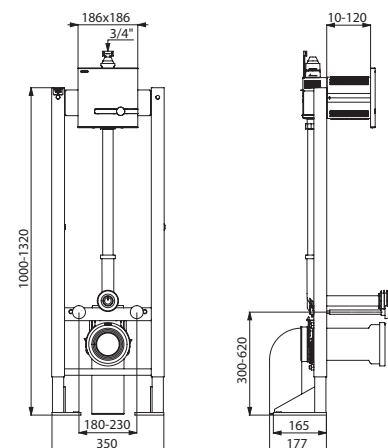
Self-supporting model - 6V battery-operated	564065 + 464006
Self-supporting model - 230/6V mains supply	564005 + 464000
Wall-mounted version - 6V battery-operated	564060 + 464006
Wall-mounted version - 230/6V mains supply	564000 + 464000

For Ø 90mm (or 110mm) soil pipe outlet versions:

add "BE" (or "DE") after the reference for kit 1

Options: wall fixings and sleeve connector (see page 224)

Connection kit for disabled WC (see page 224)



564065 + 464006



- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted
- **Hygiene:** automatic flush with no manual contact, no water stagnation (reduces bacterial development)
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly

TEMPOFIX 3 with TEMPOMATIC

Frame system with electronic WC flush valve



- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- Soil pipe:
 - PVC, Ø 100mm outlet to be glued onto the waterproof seal, with 2 setting positions (ref. 547005 and 547000).
 - ABS, with Ø 90mm HDPE sleeve connector (ref. 547005BE and 547000BE) or Ø 110mm (ref. 547005DE and 547000DE) with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Complies with French standard NF D12-208.**
- **Compatible with solid wall finishes from 26 - 130mm.**

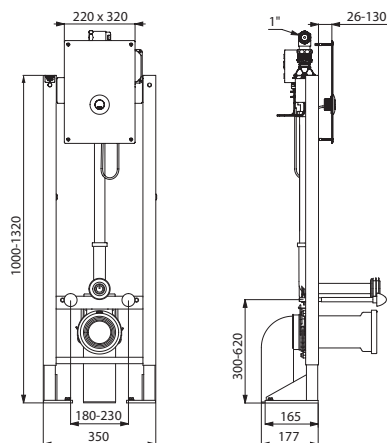
Available in 2 versions:

Self-supporting frame system with large feet to fix to load-bearing floors.
Wall-mounted frame system to fix to load-bearing walls.

Fitted with TEMPOMATIC F1" electronic direct flush valve:

- Mains supply with 1" solenoid valve.
- Satin finish stainless steel wall plate 320 × 220mm.
- IP65 independent electronic unit.
- 230/12V transformer.
- Shock-resistant infrared presence detection sensor.
- **Voluntary activation** when hand is moved towards the sensor, detection distance ~10cm) or **automatically** when the user leaves.
- **Time flow ~7 seconds**, can be adjusted from 3 - 12 seconds.
- Integrated stopcock and flow rate / flush volume adjuster.
- Detection distance can be adjusted by the installer.

Technical characteristics: see *TEMPOMATIC WC* page 191.



TEMPOFIX 3 with TEMPOMATIC WC

Self-supporting model	547005 + 546412
Wall-mounted version	547000 + 546412

For Ø 90mm (or 110mm) soil pipe outlet versions:

add "BE" (or "DE") after the reference for kit 1

Options: wall fixings and sleeve connector (see page 224)

Connection kit for disabled WC (see page 224)

547005 + 546412



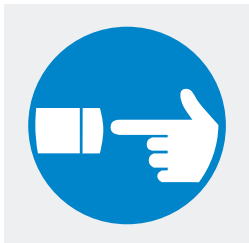
Simple to install



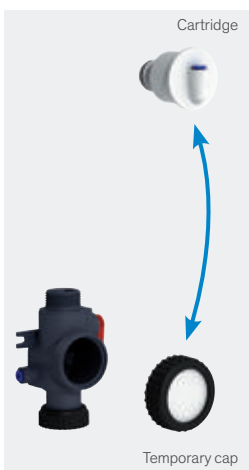
Design



Water savings



Soft-touch operation



Secure system flush

TEMPOFIX 3 WITH TEMPOFLUX 3

Easy to install

Installation and commissioning time should be taken into account when determining the total product cost, especially when installing a large number of products in public and commercial places. The TEMPOFIX 3 frame system **is delivered pre-mounted**. The remaining components (soil pipe and housing) are assembled by clipping into place. The WC pan height is easy to adjust: a mark indicates the "1-metre" point from the floor surface to the frame system. It is quick and easy to install.

TEMPOFLUX 3 connects from the outside of the housing to a **standard installation or a "pipe-in-pipe" connection**. The housing can be cut to size to fit **wall finishes up to 120mm**: thick walls (bricks or cinder blocks) for public and commercial installations subject to high levels of vandalism.

Secure system flush

During installation the cartridge is replaced by a temporary cap to facilitate and **secure the system flush**, without risking any damage to this sensitive element.

Design

The TEMPOFLUX 3's wall plate has a **timeless design**, available in satin finish stainless steel or chrome-plated metal. Thanks to its **sleek lines**, it fits perfectly in any type of public and commercial building.

Water savings

TEMPOFLUX 3 with **3L/6L dual flush** optimises flushing and water consumption. The flush volume can be adjusted to 2L/4L, to achieve the highest standards for environmental labels. The **AB anti-blocking device** controls the flush volume regardless of how long the push-button is pressed for.

Comfort

Thanks to its **soft-touch operation**, TEMPOFLUX 3 can be used by all users (children, the elderly or people with reduced mobility). The **acoustic level is low** and complies with European standard EN 12541 class II.

Minimal servicing and simple to maintain

The cartridge, activation unit and stopcock are all **accessible from the front**. Simply remove the wall plate to gain access.

The flush volume can be adjusted (3L/6L or 2L/4L) directly on the rear of the wall plate **without shutting off the water supply or removing the WC valve**.

Unlike other standard products on the market, TEMPOFLUX 3's **backflow prevention device** is located **inside the housing**. In case of backflow, the water will evacuate in front of the wall via the housing, and not behind (or into) the wall.

The flush valve is suitable for grey water and sea water.

The flush valve can be disconnected and removed from the inside, without removing the housing, for in-depth maintenance or protecting from frost.

A SINGLE PRODUCT for wall thicknesses from 10 - 120mm

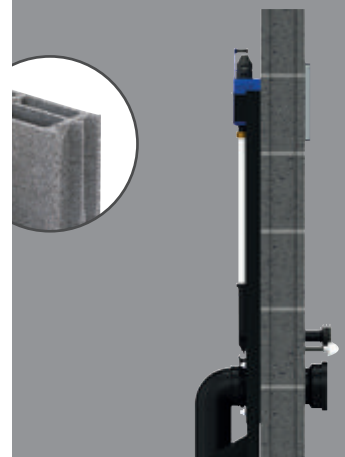
Dry walls (plasterboard): Min. 10mm thick.

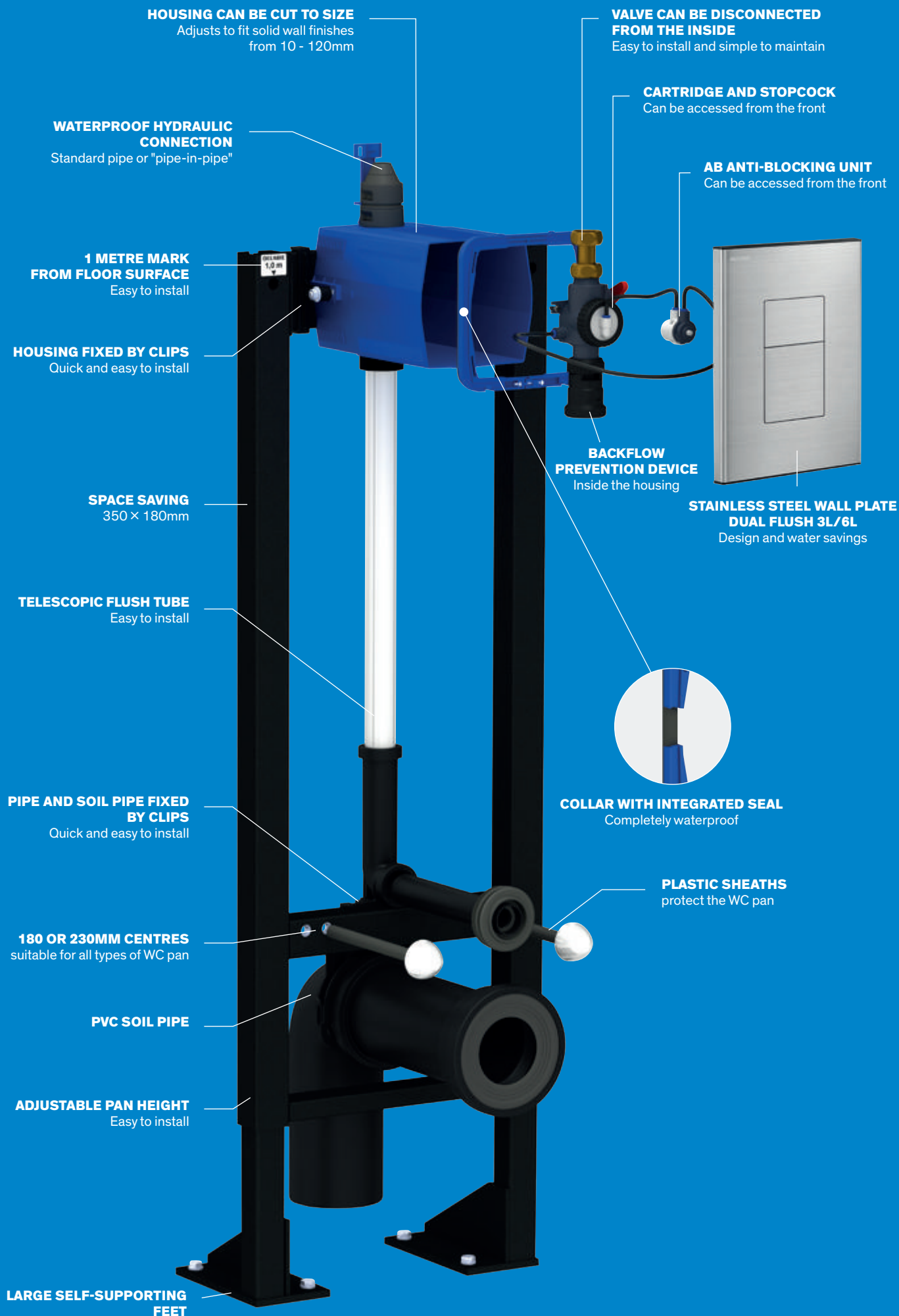


Semi-thick walls made from gypsum blocks:



Thick walls made from bricks or cinder blocks: Max. 120mm thick.









- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted, clip into place assembly
- **Hygiene:** no water stagnation (reduces bacterial development)
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, dual flush 3L/6L

TEMPOFIX 3 with TEMPOFLUX 3

Frame system with time flow WC flush valve



- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- Soil pipe:
 - PVC, Ø 100mm outlet to be glued onto the waterproof seal, with 2 setting positions (ref. 564065, 564005, 564060 and 564000).
 - ABS, with Ø 90mm HDPE sleeve connector (ref. 564065BE, 564005BE, 564060BE and 564000BE) or Ø 110mm (ref. 564065DE, 564005DE, 564060DE and 564000DE), with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Complies with French standard NF D12-208.**
- **Compatible with solid wall finishes from 10 - 120mm.**

Available in 2 versions:

Self-supporting frame system with large feet to fix to load-bearing floors.
Wall-mounted frame system to fix to load-bearing walls.

Fitted with TEMPOFLUX 3 F^{3/4}" time flow direct flush valve:

- Satin finish stainless steel wall plate 210 × 162mm or chrome-plated metal wall plate 170 × 170mm.
- Waterproof recessing housing.
- **Soft-touch operation.**
- **Dual flush 3L/6L, can be adjusted to 2L/4L.**
- **AB anti-blocking system.**
- Backflow prevention device inside the housing.
- Integrated stopcock and flow rate adjuster.
- Acoustic level complies with European standard EN 12541 class II.
- Compatible with sea water and grey water.

Technical characteristics: see *TEMPOFLUX 3* page 195.

Provisional availability: 1st half 2020.
Please contact the sales office to check availability.

TEMPOFIX 3 with TEMPOFLUX 3

With satin finish stainless steel wall plate

Self-supporting model	564065 + 763000
Wall-mounted model	564060 + 763000

With chrome-plated metal wall plate

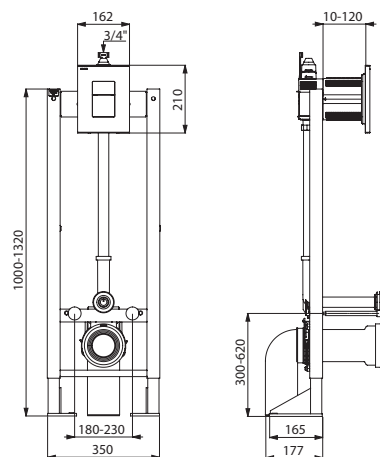
Self-supporting model	564065 + 763040
Wall-mounted model	564060 + 763040

For Ø 90mm (or 110mm) soil pipe outlet versions:

add "BE" (or "DE") after the reference for kit 1

Options: wall fixings and sleeve connector (see page 224)

Connection kit for disabled WC (see page 224)



564065 + 763000



- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted
- **Hygiene:** no water stagnation (reduces bacterial development)
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful and constantly available flush, 3L/6L dual flush

TEMPOFIX 3 with TEMPOFLUX 2

Frame system for narrow walls



- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- Soil pipe:
 - PVC, Ø 100mm outlet to be glued onto the waterproof seal, with 2 setting positions (ref. 578305, 578300, 578400 and 578405).
 - ABS, with Ø 90mm HDPE sleeve connector (ref. 578305BE, 578300BE, 578400BE and 578405BE) or Ø 110mm (ref. 578305DE, 578300DE, 578400DE and 578405DE), with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Complies with French standard NF D12-208.**
- **For walls from 10 - 35mm.**

Available in 2 versions:

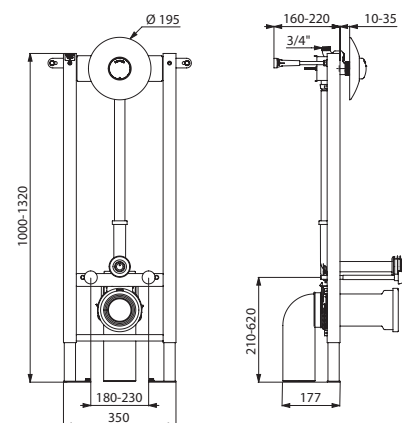
Self-supporting frame system with large feet to fix to load-bearing floors.
Wall-mounted frame system to fix to load-bearing walls.

Fitted with TEMPOFLUX 2 time flow direct flush valve:

- Ø 195mm chrome-plated metal wall plate with concealed fixings.
- **Available with 6L single flush or 3L/6L dual flush** (can be adjusted to 2L/4L).
- **Soft-touch operation.**
- Vacuum breaker.
- **Stopcock and flow rate/volume adjuster.**
- Solid brass body and shock-resistant, scale-resistant mechanism.
- In-line inlet M $\frac{3}{4}$ ".
- Acoustic level complies with European standard EN 12451 class II.

Technical characteristics: see *TEMPOFLUX 2* page 197.

TEMPOFIX 3 with TEMPOFLUX 2 for walls from 10 - 35mm	
Self-supporting model	
3L/6L dual flush (DELABIE patented)	578305 + 578222
6L single flush (6L flush, can be adjusted to 9L)	578305 + 578212
Wall-mounted model	
3L/6L dual flush (DELABIE patented)	578300 + 578222
6L single flush (6L flush, can be adjusted to 9L)	578300 + 578212
For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1 Options: wall fixings and sleeve connector (see page 224) Connection kit for disabled WC (see page 224)	



578300 + 578212



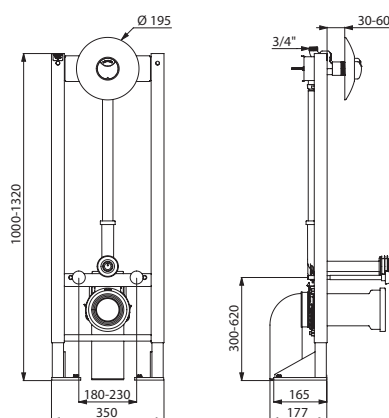
- **Specifically designed for public and commercial places:** space saving, easy to clean, withstands intensive use
- **Easy to install:** frame system delivered pre-mounted
- **Hygiene:** no water stagnation (reduces bacterial development)
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful and constantly available flush, 3L/6L dual flush

TEMPOFIX 3 with TEMPOFLUX 2

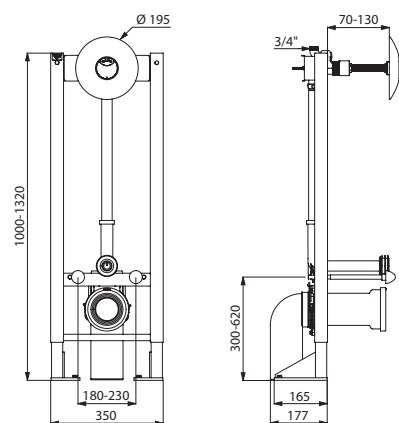
Frame system for semi-thick or thick walls



- See opposite for technical description.
- **For semi-thick solid walls from 30 - 60mm or thick walls from 70 - 130mm.**
- Available with 6L single flush or 3L/6L dual flush (can be adjusted to 2L/4L).



578405 + 578222



578305 + 578230

TEMPOFIX 3 with TEMPOFLUX 2 for semi-thick walls from 30 - 60mm

Self-supporting model

3L/6L dual flush (DELABIE patented)	578405 + 578222
6L single flush (6L flush, can be adjusted to 9L)	578405 + 578212

Wall-mounted model

3L/6L dual flush (DELABIE patented)	578400 + 578222
6L single flush (6L flush, can be adjusted to 9L)	578400 + 578212

TEMPOFIX 3 with TEMPOFLUX 2 for thick, solid walls from 70 - 130mm

Self-supporting model	578305 + 578230
3L/6L dual flush (DELABIE patented)	578305 + 578230
Wall-mounted model	578300 + 578230
3L/6L dual flush (DELABIE patented)	578300 + 578230

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

Options: wall fixings and sleeve connector (see page 224)

Connection kit for disabled WC (see page 224)

RECOMMENDATIONS

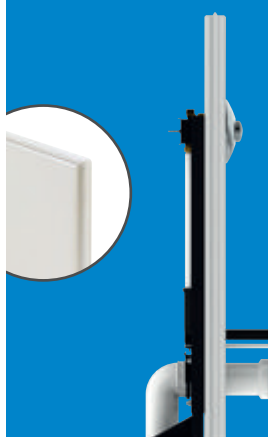
For dry walls / plasterboard walls:

Wall thickness: 10 - 35mm



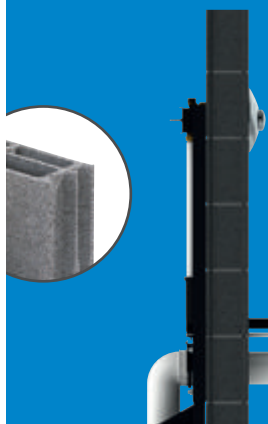
For semi-thick gypsum block walls:

Wall thickness: 30 - 60mm

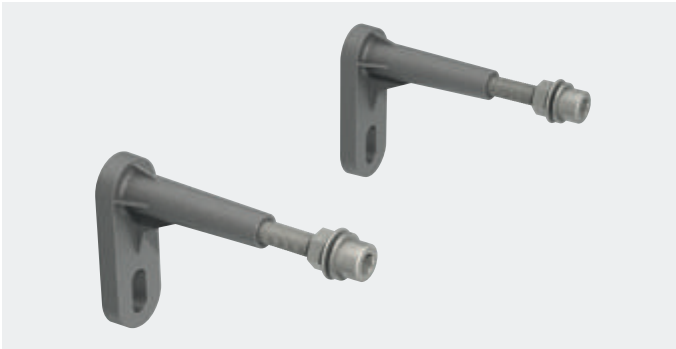


For thick brick or cinder block walls:

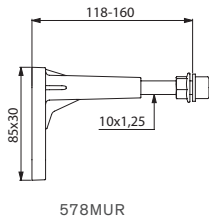
Wall thickness: 70 - 130mm



Wall fixings



- Fixing kit for upper section of TEMPOFIX 3 frame system.
- 2 chrome-plated metal wall fixings, for reinforcing upper section of frame system.
- For installing if floors are non-load bearing.

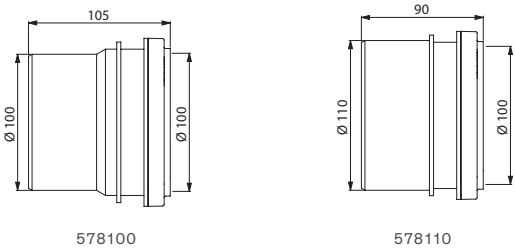


TEMPOFIX 3 wall fixings	578MUR
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Sleeve connector



- For horizontal evacuation.
- PVC or High-density polyethylene (HDPE).

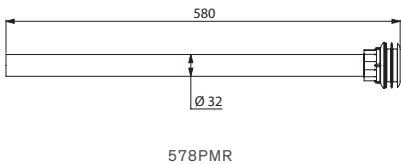


Sleeve connector	
PVC, Ø 100/100mm	578100
HDPE, Ø 100/90mm	578090
HDPE, Ø 100/110mm	578110

Connection kit for disabled WCs



- Extended supply tube Ø 32mm, L. 580mm.
- Ø 55mm connection washer.



Connection kit for disabled WCs	578PMR
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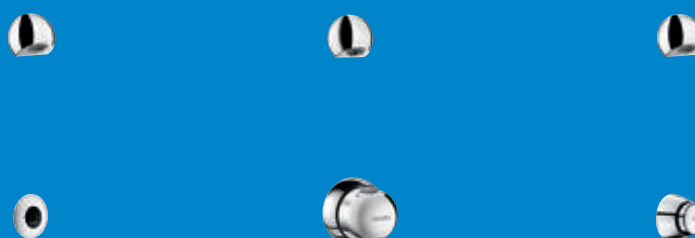


Secure Sector

BASIN CONTROLS 230



SHOWER CONTROLS 232



URINAL CONTROLS 234



WC CONTROLS 235





TEMPOFLUX 2 time flow direct flush valve **762150** - SHA 700 squat WC **113610** - Jumbo toilet paper dispenser **2911**
TEMPOMATIC electronic basin tap **441157** - Soap dispenser **729150** - CANAL wash trough **120250** - Stainless steel rectangular mirror **3458**

SPECIFICALLY DESIGNED FOR THE SECURE SECTOR

High resistance to vandalism

DELABIE's water controls have been specifically designed to withstand intensive use and vandalism, both voluntary and involuntary.

The specific ergonomics of the products (streamlined design, tamperproof fixings, robust design) prevent any risk of harm.

Designed to be installed **cross wall** in service ducts, this equipment prevents the user from having access to the control mechanisms.

The control buttons, bodies, spouts and shower heads are made from chrome-plated solid brass.

Shock-resistant push-button limiters protect the mechanisms from the most heavy-handed users.

Streamlined designs and detection sensors flush to the wall prevent any risks of unwanted removal.

The **fixings** are **reinforced**. The anti-rotating pin means that the whole body is securely fixed to the wall. The connecting nut ensures correct in-line installation of the push-button control and valve, resulting in ensured activation with every operation.

Superior endurance

The time flow mechanisms in DELABIE's water controls are hard-wearing. The hydraulic timing system with a calibrated groove is self-cleaning, which extends its lifespan to over **500,000 operations**.

There is no metal-metal or metal-plastic friction, **ensuring reliable and durable timing**.

The detection system for electronic controls: **infrared active pulse** technology is the most reliable. It cannot be adjusted or affected by variations in light levels.

Easy to install

The **threaded rods** for cross wall installation **can be cut** to the desired length. Simply connect the water supply to the flexibles.

Minimal servicing

DELABIE guarantees minimal servicing.

The flow straighteners, nozzles and mechanisms are made from **scale-resistant materials** (Hostaform®). Self-cleaning mechanisms are protected by filters.

Simple to maintain

The **spare parts** are **standardised** to ensure quick and easy replacement by maintenance staff.

The whole of the system is integrated within an interchangeable **cartridge which can be accessed without having to remove the mixer or tap**.

Installation in service ducts enables the maintenance staff **to access the device outside of the area of use** which facilitates and secures their work.

10-year warranty against any manufacturing defects.

WATER SAVINGS

Water savings

Water saving is also a concern for the secure sector. Secure facilities accommodate people prone to acts of vandalism who are more likely to waste water voluntarily. DELABIE's fittings deliver water savings during conventional use but also prevent excessive consumption due to abuse.

• Automatic shut-off and split delivery

The flow shuts off automatically when hands are removed from the detection zone for electronic versions, or after several seconds for time flow versions. DELABIE's water controls remove the risk of waste through negligence. The time flow is reduced to the necessary minimum (wetting, rinsing).

• Regulated flow rate

The flow rate is regulated at **3 lpm** for basins, **6 lpm** for showers and **3L/6L** for the TEMPOFLUX 2 WC range, which can be adjusted to 2L/4L.

Anti-blocking system

To avoid abuse and waste, TEMPOSTOP time flow models can be fitted with an **AB anti-blocking system**. This prevents the valve from being blocked in the open position. Water will not flow unless the push-button is released.

On TEMPOMATIC electronic models, the valve will block temporarily in case of abuse.

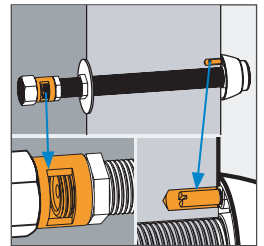
HYGIENE AND CONTROLLING BACTERIAL PROLIFERATION

Automatic shut-off with no manual contact

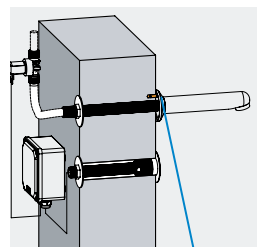
No manual contact after washing prevents the spread of germs by hand.

Anti-bacterial duty flush programme

DELABIE's electronic water controls have a duty flush programme. **An automatic flush takes place every 12 or 24 hours after the last use** (basins, showers and urinals).



Cross wall time flow control with anti-rotating pin and connecting nut



Cross wall electronic control with anti-rotating pin



Anti-blocking system



Hygiene and controlling bacterial proliferation



- **Water savings:** 90%
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation
- **Maintenance:** LED diagnostic aids
- **Hygiene:** no manual contact and anti-bacterial duty flush

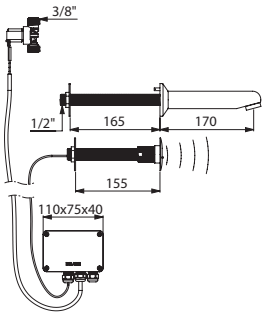


TEMPOMATIC

Cross wall electronic basin tap



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
(pre-set flush ~60 seconds every 24 hours after last use).
- Shock-resistant infrared presence detection sensor for walls ≤ 155mm.
- Anti-blocking security.
- Solenoid valve with integrated filter.
- Chrome-plated fixed spout L. 170mm for walls ≤ 165mm with anti-rotating pin.
- Wall plate flush to the wall.
- Threaded rods can be cut to size.



441157

TEMPOMATIC cross wall basin tap	
M $\frac{3}{8}$ "	441157
Ø 15mm for compression fittings	44115715
We recommend installing a TMV (see page 129) Alternative spout and cross wall lengths available on request	



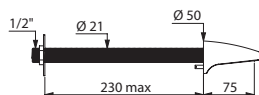
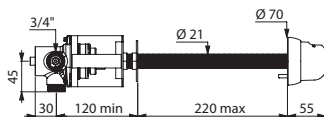
- **Water savings:** 85%
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation, anti-blocking system (AB)

TEMPOMIX

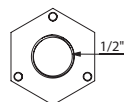
Cross wall time flow basin mixer



- **Temperature control and operation via the push-button.**
- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M $\frac{3}{4}$ ".
- Chrome-plated metal push-button.
- Filters and non-return valves.
- Adjustable maximum temperature limiter.
- Tamperproof cross wall control ≤ 220 mm.
- Tamperproof fixed cross wall spout ≤ 230 mm.
- System for fixing to the wall via anti-rotating pin, back-nut and connection clamp.
- Threaded rods can be cut to size.



795209



826315

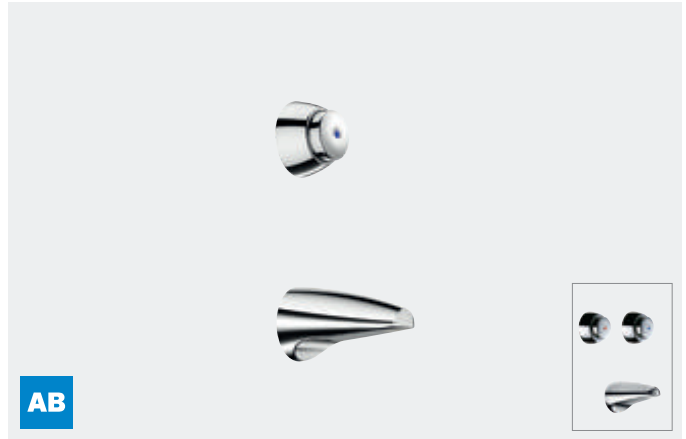
TEMPOMIX cross wall basin mixer

TEMPOMIX cross wall	795209
Back nut F $\frac{1}{2}$ " with 3 screws (reinforcing clamp behind the wall)	826315

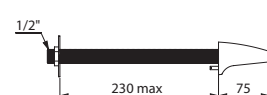
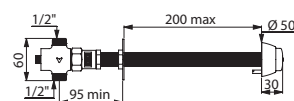
Alternative cross wall lengths (up to 400mm, min. 200 units)
available on request

TEMPOSTOP

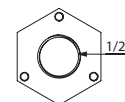
Cross wall time flow basin tap



- **Time flow ~7 seconds.**
- **Flow rate pre-set at 3 lpm** at 3 bar, can be adjusted from 1.5 - 6 lpm.
- **Tamperproof scale-resistant flow straightener.**
- Chrome-plated solid brass body M $\frac{1}{2}$ ".
- Cross wall tamperproof control(s) can be cut to size.
- Tamperproof fixed cross wall spout.
- Anti-rotating pin and back nut.
- **AB anti-blocking system:** water only flows when push-button is released.
- Available with 1 or 2 controls and different wall thicknesses.



741943



826315

TEMPOSTOP cross wall basin tap

Walls ≤ 200 mm, 1 control with anti-rotating pin	741943
Walls ≤ 147 mm, 2 controls	741945
Back-nut F $\frac{1}{2}$ " with 3 screws (reinforcing clamp behind the wall)	826315

We recommend installing a TMV (see page 129)
Alternative wall lengths (L. 150 - 400mm) available on request

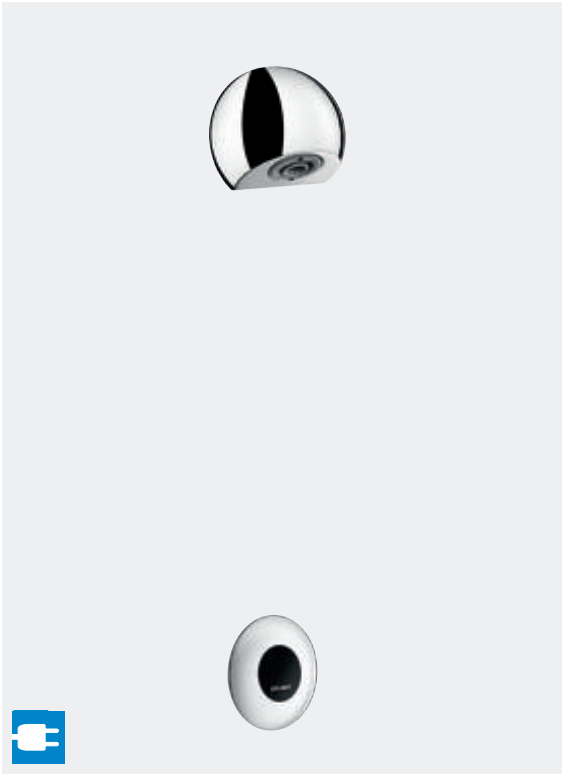


- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation
- **Hygiene:** no manual contact, anti-bacterial duty flush
- **Maintenance:** LED diagnostic aids

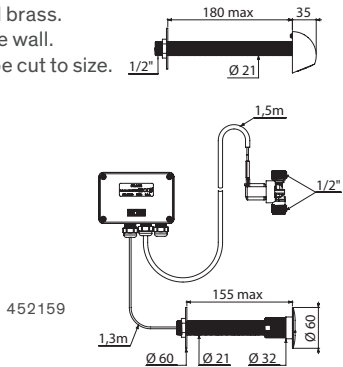


TEMPOMATIC

Cross wall electronic shower kit



- **TEMPOMATIC electronic valve** for mixed water supply.
- For walls $\leq 155\text{mm}$.
- Power supply by electronic control unit with solenoid valve $\frac{1}{2}"$.
- 230/12V transformer.
- **2 operation modes:**
 - automatic activation via presence detection.
 - voluntary ON/OFF activation by passing hand in front of sensor $\sim 10\text{ cm}$.
- **Duty flush** (~ 60 seconds every 24 hours after the last use).
- **Adjustable time flow** 30 - 60 seconds.
- **Flow rate 6 lpm** at 3 bar with chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Wall plate flush to the wall.
- Threaded rods can be cut to size.



TEMPOMATIC cross wall shower kit	
Shower kit with ROUND shower head	452159
Shower control without shower head	452150

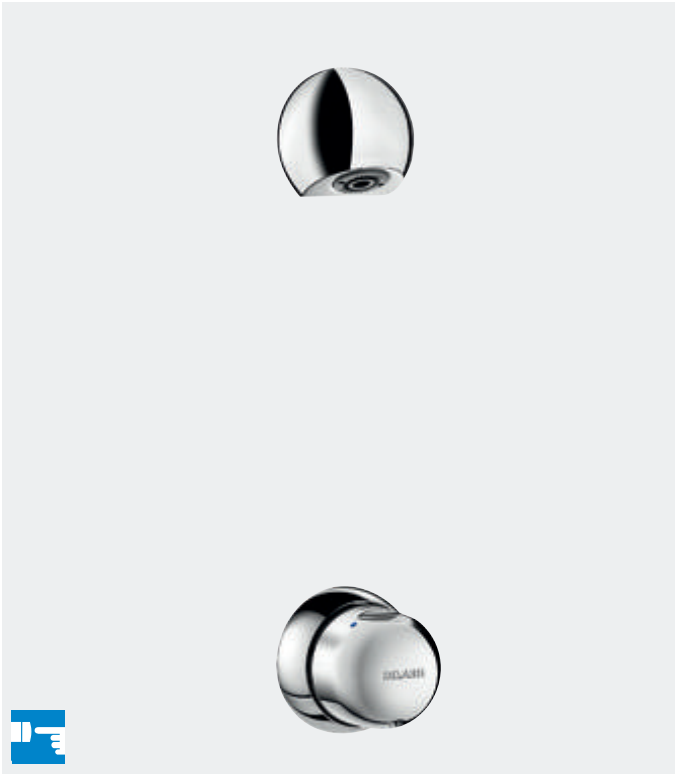
We recommend installing a TMV (see page 129) and a floor trap (see page 119)



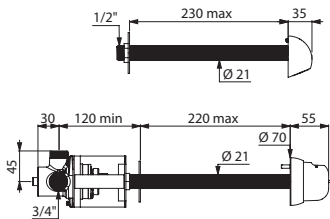
- **Water savings:** 80%
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation

TEMPOMIX

Cross wall time flow shower kit



- **TEMPOMIX 3/4" single control mixer.**
- For walls ≤ 220mm.
- Temperature control and operation via the push-button.
- Maximum temperature limiter (can be adjusted by the installer).
- **Ligature-resistant collar.**
- **Soft-touch operation.**
- **Time flow ~30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Solid brass valve body and shower head.
- Integrated filters and non-return valves.
- **Chrome-plated metal push-button.**
- Threaded rods can be cut to size.

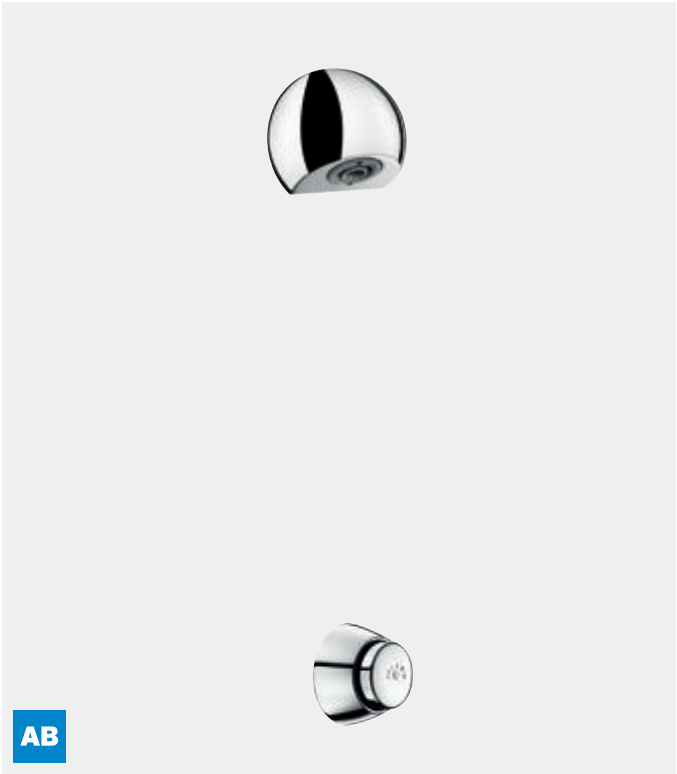


796209

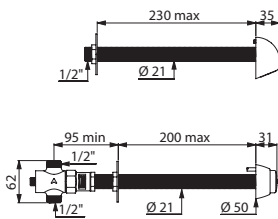
TEMPOMIX cross wall shower kit	796209
Other cross wall lengths available on request (minimum 200 units)	

TEMPOSTOP

Cross wall time flow shower kit



- **TEMPOSTOP M1/2" time flow valve** for mixed water supply.
- For cross wall installation.
- **Time flow ~15 or 30 seconds.**
- **Flow rate 6 lpm** at 3 bar.
- Chrome-plated, tamperproof, scale-resistant **ROUND shower head** with automatic flow rate regulation.
- Chrome-plated solid brass.
- Concealed fixings and anti-rotating pin.
- Threaded rods can be cut to size.
- **Available with AB anti-blocking system:** water only flows when push-button is released.



747214

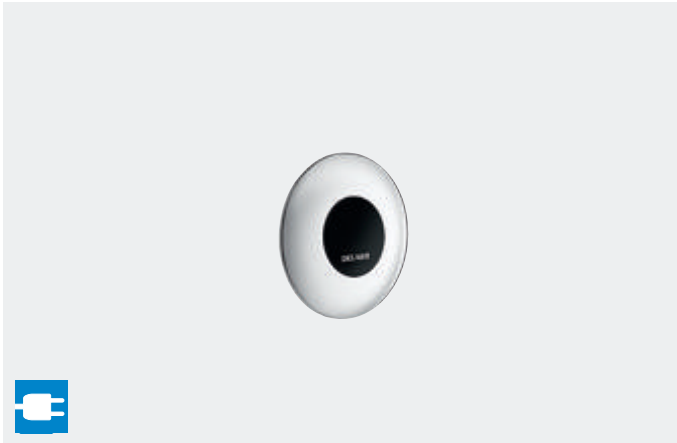
TEMPOSTOP cross wall shower kit	
For walls ≤ 150mm, ~30 seconds	749159
For walls ≤ 200mm, AB system, ~15 seconds	747214
Back-nut with 3 screws (reinforced clamp behind the wall)	826315
We recommend installing a TMV (see page 129) and a floor trap (see page 119)	



- **Water savings:** 60 %
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation, concealed fixings

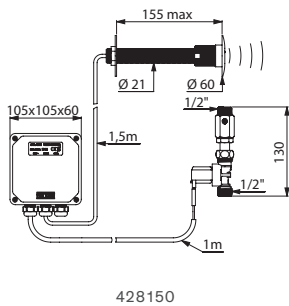
TEMPOMATIC

Cross wall electronic urinal valve



- **Mains supply**, electronic control unit 12V with solenoid valve, filter and stopcock M1/2".
- For cross wall installation.
- Shock-resistant infrared presence detection sensor.
- **Detection distance, time flow and flow rate can be adjusted** during installation.
- We recommend a 230/12V transformer (see below).
- **Detection delay is 3 seconds.**
- **Automatic pre-rinse** is possible.
- **Time flow 3 seconds**, can be adjusted from 3 - 12 seconds.
- **Hygienic duty flush** every 24 hours after last use: prevents vacuums.
- Flow rate 0.3 L/sec. at 3 bar, can be adjusted.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.

For version with TEMPOFIX 3 frame system: see page 212.



428150

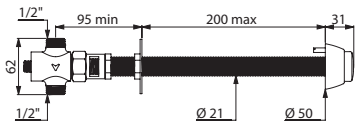
TEMPOMATIC cross wall urinal valve	
For walls ≤ 155mm	428150
For walls ≤ 225mm	428200
Transformer 230/12V for 1 - 5 TEMPOMATIC urinals	
Without housing	406000
In a waterproof housing	406220
Alternative cross wall lengths available on request	

TEMPOSTOP

Cross wall time flow urinal valve



- For standard or siphon action urinals.
- For walls ≤ 200mm.
- **Time flow ~3 seconds.**
- **Flow rate pre-set at 0.15 L/sec.** at 3 bar, can be adjusted.
- Solid brass body M1/2".
- Control base plate with anti-rotating pin.
- Connecting nut.
- Threaded rod can be cut to size.



777200

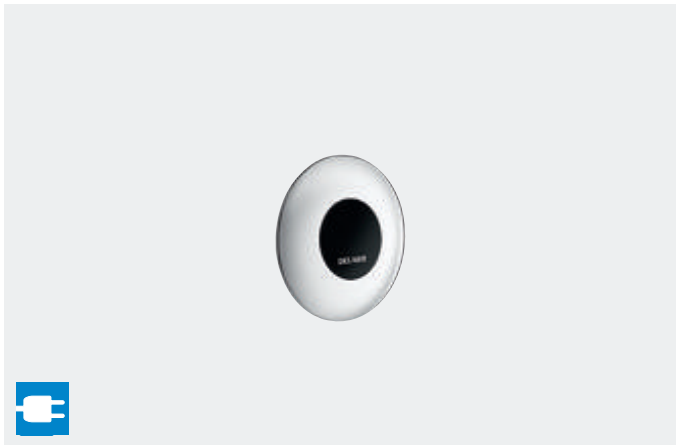
TEMPOSTOP cross wall urinal valve	777200
Alternative cross wall lengths available on request	



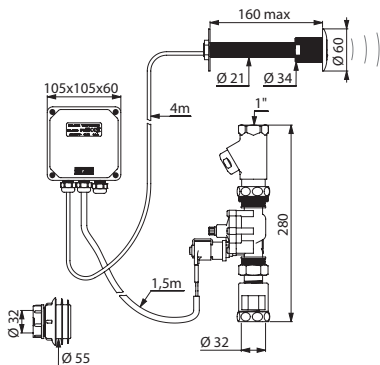
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** chrome-plated brass, cross wall installation, concealed fixings
- **Hygiene:** automatic flush with no manual contact, no water stagnation (reduces bacterial development)
- **Comfort:** voluntary activation or automatic flush

TEMPOMATIC

Cross wall electronic flush valve



- Mains supply with 1" solenoid valve.
- 230/12V transformer.
- IP65 independent electronic unit.
- For cross wall installation.
- Shock-resistant infrared presence detection sensor.
- **Voluntary activation** (when hand is detected ~10cm in front of the sensor) or **automatic flush** when the user leaves.
- **Time flow ~7 seconds**, can be adjusted from 3 - 12 seconds.
- **Detection distance, flow rate and flush volume can be adjusted.**
- Stopcock FF1".
- Vacuum breaker Ø 32mm.
- Connection washer Ø 32/55mm.
- Wall plate flush to the wall.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.



463150

TEMPOMATIC cross wall flush valve	
For walls ≤ 30 mm	463030
For walls ≤ 160 mm	463150
For walls ≤ 225 mm	463200
Alternative cross wall lengths available on request	





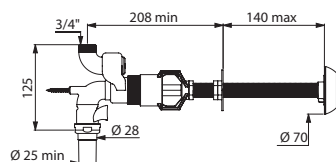
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly, 3L/6L dual flush
- **Vandal-resistant:** solid brass, cross wall installation
- **Hygiene:** no water stagnation (reduces bacterial development)
- **Comfort:** soft-touch operation, low acoustic level complies with European standard EN 12541 class II

TEMPOFLUX 2

Cross wall time flow flush valve



- For walls $\leq 140\text{mm}$.
- **3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body.
- Chrome-plated metal push-button.
- In-line inlet $M\frac{3}{4}"$.
- Outlet connection for PVC tube $\varnothing 26/32\text{mm}$.
- Threaded rod can be cut to size.
- **Acoustic level complies with European standard EN 12541 class II.**
- Base flow rate: 1 L/sec.
- Suitable for rimless WC pans.



762150

Vandal-resistant

A **cross wall installation** is the most appropriate solution to withstand any risk of vandalism. With its **chrome-plated metal** push-button flush to the wall, the valve cannot be ripped off.

Maintenance

Any maintenance on the cross wall TEMPOFLUX 2 is done via **service ducts**. It provides the **installer** with a higher level of **security** in the secure sector and better access. Cartridges are easy to change without having to remove the valve.

Efficient direct flush

The flush valve is connected directly to the water supply. Employing **the pressure from the system**, the flush is more effective.

Direct flush is **always available**, even for successive flushes. There is no delay while the cistern refills. Solving the problem of intensive use (playtime in schools, half-time at a football match, break in a factory, concert interlude, etc.).

Water savings

TEMPOFLUX 2 has a **3L/6L dual flush** which optimises flushing and water savings. **The flush volume can be adjusted to 2L/4L** to achieve the highest standards for international labels.

For more information see page 8.

Direct flush reduces the risk of leaks, unlike cisterns, where drips and leaks can go unnoticed and generate large water bills.

Comfort

Thanks to its **soft-touch operation**, TEMPOFLUX 2 cross wall can be operated by all users.

The **acoustic level is low** and complies with the requirements of the European standard EN 12541 class II.

Design

TEMPOFLUX 2 has a **timeless design**.

It fits in perfectly with any type of public and commercial building.

In prison, products must be resistant and secure: concealed mechanisms, streamlined designs, etc. The smooth shape of the TEMPOFLUX 2 reduces the build-up of dirt and facilitates cleaning.



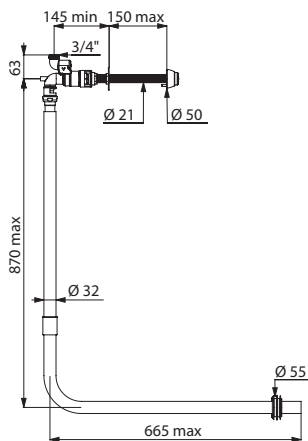
- **Efficiency and water savings:** direct flush reduces the risk of leaks, powerful flush is available instantly
- **Vandal-resistant:** chrome-plated solid brass, cross wall installation
- **Hygiene:** no water stagnation (reduces bacterial development)

TEMPOFLUX 1

Cross wall time flow flush kit



- For cross wall installation.
- **Soft-touch operation.**
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- In-line inlet M $\frac{3}{4}$ ".
- Connection washer \varnothing 32/55mm.
- Threaded rod can be cut to size.
- Base flow rate: 1 L/sec.
- Available with or without PVC flush tube \varnothing 32mm.



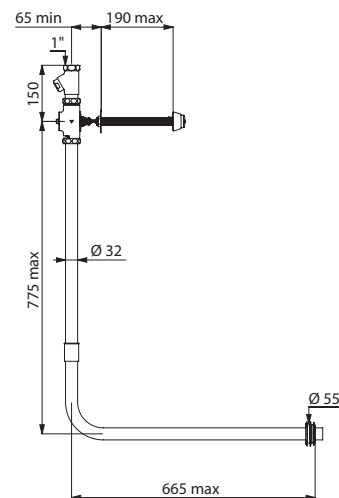
761700

TEMPOCHASSE

Cross wall time flow flush kit



- For walls \leq 190mm.
- **Time flow ~7 seconds.**
- **Vacuum breaker.**
- **In-line rough brass stopcock and flow rate/flush volume adjuster.**
- Solid brass body and chrome-plated push-button.
- Shock-resistant mechanism.
- In-line inlet F1".
- Connection washer \varnothing 32/55mm.
- Threaded rod can be cut to size.
- Base flow rate: 1.2 L/sec.
- Available with or without PVC flush tube \varnothing 32mm.



760700

TEMPOFLUX 1 cross wall flush kit

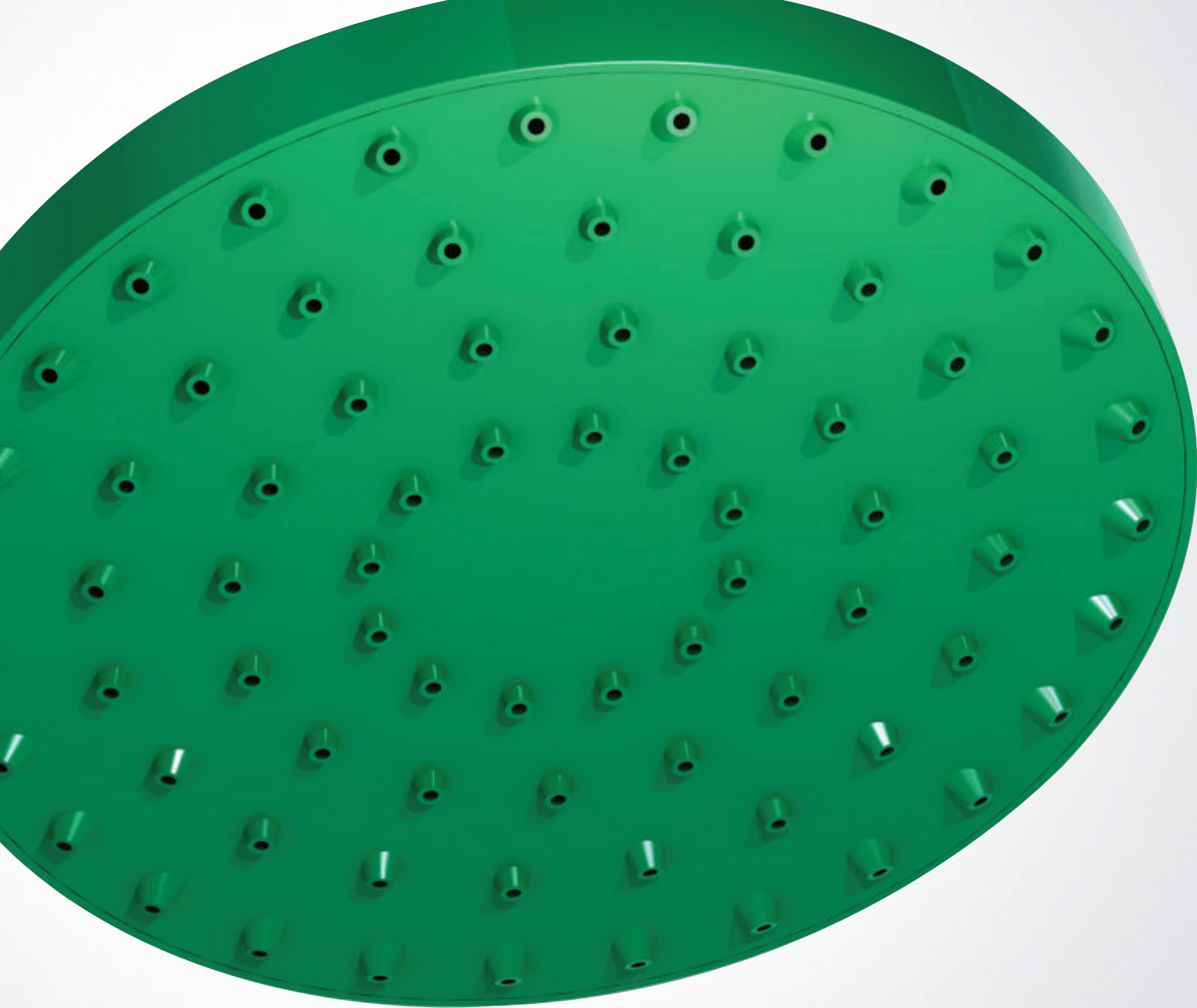
For walls \leq 150mm, with PVC tube	761700
For walls \leq 200mm, without tube	761200

[Alternative cross wall lengths available on request](#)

TEMPOCHASSE cross wall flush kit

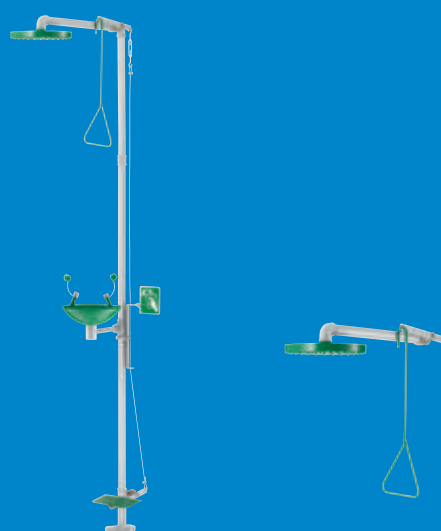
With PVC elbow flush tube \varnothing 32mm	760700
Without flush tube	760150

[Alternative cross wall lengths available on request](#)



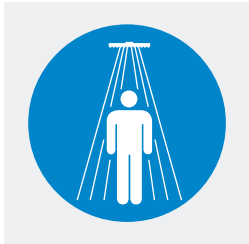
Safety controls

SAFETY SHOWERS 242



EYE WASH STATIONS 244





Even, conical flow



Optimised rinsing for eyes



Frost-free system comes as standard



SAFETY CONTROLS: SPECIFICALLY DESIGNED FOR RAPID DECONTAMINATION

In order to address the risk of contamination to the body, face and/or eyes posed by harmful chemicals, DELABIE has developed a range of safety controls. DELABIE's safety showers and eye wash stations provide users with an **efficient decontamination** facility at the site of the incident, especially during the initial treatment phase.

Safety

The shower head with spray diffuser ensures an optimised spray for the whole body. The diameter and orientation of the diffuser ensures an **even, conical flow**.

The spray heads are fitted with aerators and stainless steel double filters to prevent any large debris in the water pipes coming into contact with the eyes. Protective caps prevent dust and other airborne contaminants entering the valve. The controls are easy to access.

Reliable

DELABIE's safety controls are fitted with **frost-free mechanisms as standard** (see below). They are made from corrosion-resistant materials.

Frost-free system as standard

Most safety equipment is installed outside or in buildings that are not heated. DELABIE's safety controls are fitted with frost-free systems as standard and can be installed inside or outside buildings.

The frost-free system ensures that the riser column and shower head will deliver a proper spray with every use (see below).

The upstream supply pipework must also be protected from freezing temperatures.

Efficient

DELABIE's safety controls deliver large flow rates which ensure rapid decontamination:

- Eye wash stations: flow rate 20 lpm at 3 bar.
- Showers: flow rate 70 lpm at 1 bar dynamic pressure (120 lpm at 3 bar dynamic pressure).

The diameter and position of the 74 holes in the shower head are designed for optimised rinsing.

User comfort

The protective caps eject automatically with the pressure when the equipment is activated.

The spray heads are fitted with aerators which ensure a **gentle spray** to avoid further injury to the user.

Quick to install

DELABIE's safety controls are quick and easy to install. A mixed, potable water supply should be considered (DELABIE recommends installing a pre-mixer or a thermostatic mixing valve depending on the nature and flow rate of the equipment, see page 129).

So that the location of safety controls can be easily identified, green identification signs are supplied with each item.

Easy to operate

DELABIE's safety controls are designed to be **quick and easy to operate**.

Water flows when the triangular handle is pulled, the foot pedal is pressed or the hand control is pulled towards the user.

Compliance

DELABIE's safety controls comply with the following European standards:

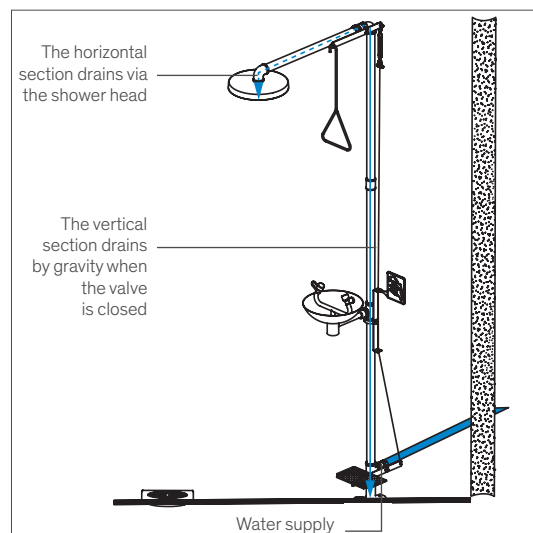
- safety showers: European standard EN15154-1.
- eye wash stations: European standard EN15154-2.
- identification signs: International standard ISO 3864-1 covering graphic symbols, safety colours and safety signs in the work place and public places. This standard is included in the European directive 92/58/CEE standard.

Easy to maintain

Standard parts can be replaced without dismantling the equipment. Maintenance staff can change the parts quickly and easily.

The equipment must be checked every 15 days to ensure that it is in good working order.

10-year warranty against any manufacturing defects.



**CIRCULAR
SHOWER HEAD**
Even, conical flow

ERGONOMIC HANDLE
activates shower
and eye wash simultaneously

**IDENTIFICATION SIGN
FOR EYE WASH STATIONS**

**EYE WASH STATION WITH
GENTLE SPRAY**
User comfort

STAINLESS STEEL BASIN
Reliable

DRAINAGE
F1¼"

FOOT CONTROL
activates eye wash



**IDENTIFICATION
SIGN FOR
SAFETY
SHOWERS**

**GALVANISED STEEL
RISER COLUMN**
Reliable



HAND CONTROL
activates eye wash

WATER INLET F1"

BRASS FIXING PLATE
Reliable



- **Effective:** large flow rates for rapid decontamination
- **Frost-free protection:** frost-free system as standard, riser column and shower head drain
- **Comfort:** quick and easy to activate, gentle spray for users

Eye wash and shower combination

Free-standing



- **Frost-free system as standard.**
- 304 stainless steel basin Ø 250mm with green finish.
- Eye wash spray heads fitted with protective caps in shock-resistant, green ABS. Caps eject automatically when eye wash is activated.
- **Flow rate 20 lpm** at 3 bar, aerators with stainless steel double filters.
- Circular shower head Ø 250mm in green, shock-resistant ABS.
- **Flow rate 70 lpm** at 1 bar dynamic pressure (120 lpm at 3 bar dynamic pressure).
- Water supply F1".
- Pipes made from galvanised steel, grey powder-coated finish. Triangular pull handle in green powder-coated brass.
- Hand and foot controls in green powder-coated galvanised steel.
- Fixed to the floor by a brass plate (screws not included).
- Supplied with identification signs for first aid equipment: "Safety Shower" and "Safety Eye Wash".

Operation:

¼-turn, nickel-plated brass valves open and close quickly.

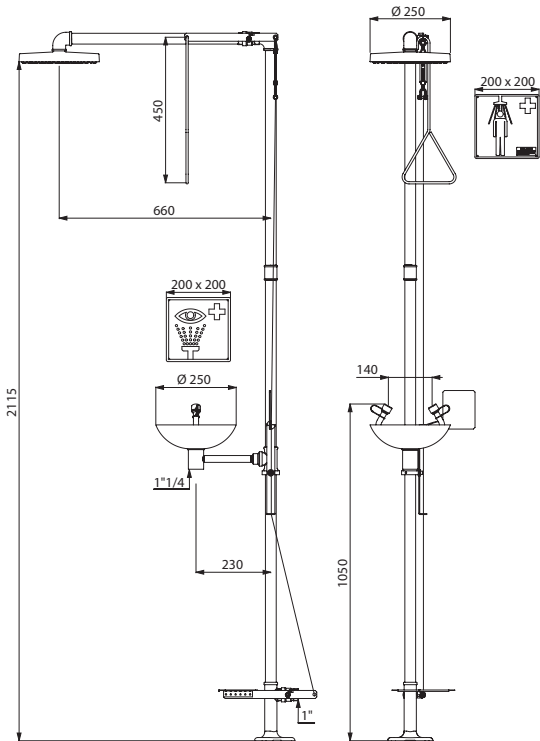
Simultaneous eye wash and shower:

- Water flows simply by pulling on the triangular handle. The flow will continue even when the handle is released.
- The flow will stop when the handle is returned to its original position.

Eye wash only:

- Water flow is operated by the foot pedal or the hand control. The eye wash will continue to flow when the pedal or hand control is released.
- The water flow will stop when the hand control is pulled towards the user or the foot pedal is raised.

The water does not shut off automatically, allowing the injured person to have both hands free (to remove their clothing, keep their eyes open, etc.).



9203

Eye wash and shower combination	9203
We recommend installing a TMV (see page 129)	



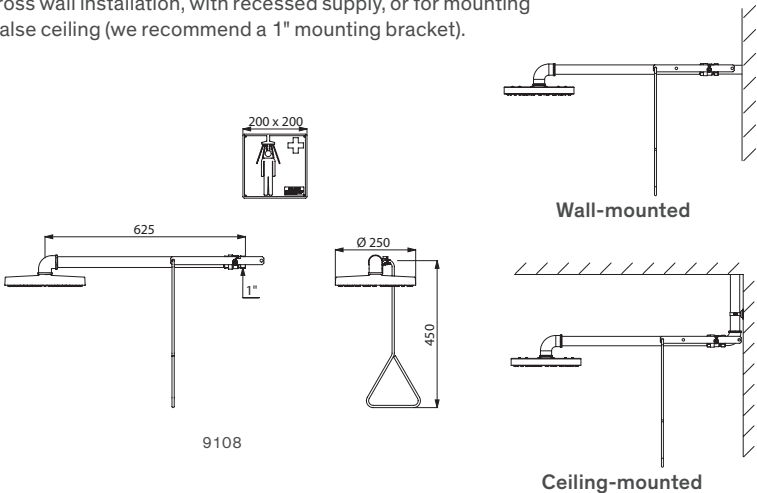
- **Effective:** large flow rate for rapid decontamination
- **Frost-free protection:** frost-free system as standard, shower head drains
- **Comfort:** quick and easy to activate, gentle spray for users

Wall-mounted recessed safety shower

Horizontal model with manual control



- **Frost-free system as standard.**
- Circular shower head Ø 250mm in green, shock-resistant ABS.
- ¼-turn, nickel-plated brass valve opens and closes quickly.
- Water flows simply by pulling on the triangular handle.
- The flow will continue even when the handle is released.
- The flow will stop when the handle is returned to its original position.
- **Flow rate 70 lpm** at 1 bar dynamic pressure (120 lpm at 3 bar dynamic pressure).
- Water supply F1".
- Pipes made from galvanised steel, grey powder-coated finish.
- Triangular pull handle in green powder-coated brass.
- Supplied with identification sign for first aid equipment: "Safety Shower".
- For cross wall installation, with recessed supply, or for mounting on a false ceiling (we recommend a 1" mounting bracket).



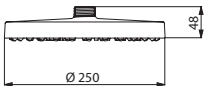
Wall-mounted safety shower	9108
We recommend installing a TMV (see page 129)	

Additional fitting



Shower head:

- Circular shower head Ø 250mm M1".
- Green, shock-resistant ABS.
- **Flow rate 70 lpm** at 1 bar dynamic pressure (120 lpm at 3 bar dynamic pressure).
- Water supply F1".



9225

Shower head	9225
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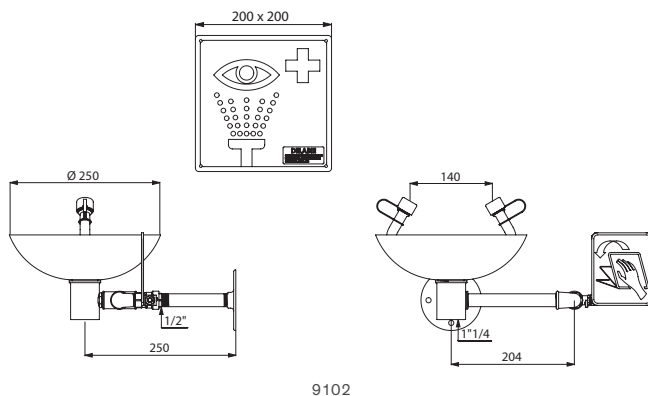
- **Effective:** large flow rate for rapid decontamination
- **Safety:** eye wash spray heads fitted with protective caps, stainless steel filters stop debris coming into contact with eyes
- **Frost-free protection:** frost-free system as standard, free-standing model drains automatically
- **Comfort:** quick and easy to activate, gentle spray for users

Wall-mounted eye wash station

Manual control



- Green powder-coated 304 stainless steel basin Ø 250mm.
- Eye wash spray heads fitted with protective caps in green ABS; will eject automatically when activated.
- ¼-turn, nickel-plated brass valve opens and closes quickly.
- Water flow is activated by the hand control. The eye wash will continue to operate when the hand control is released.
- The water flow will stop when the hand control is pulled towards the user.
- **Flow rate 20 lpm** at 3 bar, aerators with stainless steel double filters.
- Water supply M½".
- Pipes made from galvanised steel, powder-coated grey finish.
- Hand control in green powder-coated galvanised steel.
- Wall-mounted on a brass plate (screws not included).
- Supplied with identification sign for first aid equipment: "Safety Eye Wash".



9102

Wall-mounted eye wash station

9102

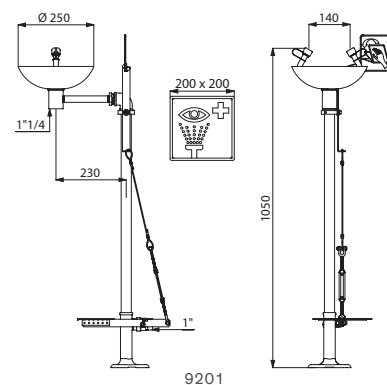
We recommend installing a TMV (see page 129) and a floor trap (see page 119)

Free-standing eye wash station

Manual and pedal control



- **Frost-free system as standard.**
- Green powder-coated 304 stainless steel basin Ø 250mm.
- Eye wash spray heads fitted with protective caps in green ABS; will eject automatically when activated.
- ¼-turn, nickel-plated brass valves open and close quickly.
- Water flow is activated by hand or foot control. The eye wash will continue to operate when the hand or foot control is released.
- The water flow will stop when the hand control is pulled towards the user or the foot pedal is raised.
- **Flow rate 20 lpm** at 3 bar, aerators with stainless steel double filters.
- Water supply F1".
- Pipes made from galvanised steel, powder-coated grey finish.
- Hand and foot controls in green powder-coated galvanised steel.
- Fixed to the floor by a brass plate (screws not included).
- Supplied with identification sign for first aid equipment: "Safety Eye Wash".



9201

Free-standing eye wash station

9201

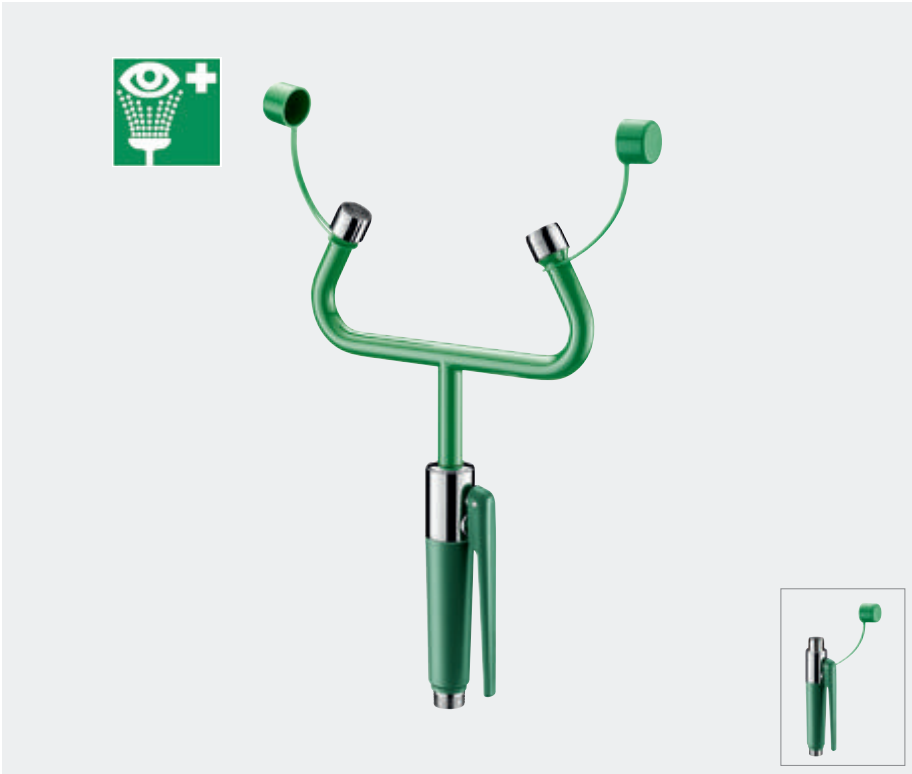
We recommend installing a TMV (see page 129) and a floor trap (see page 119)



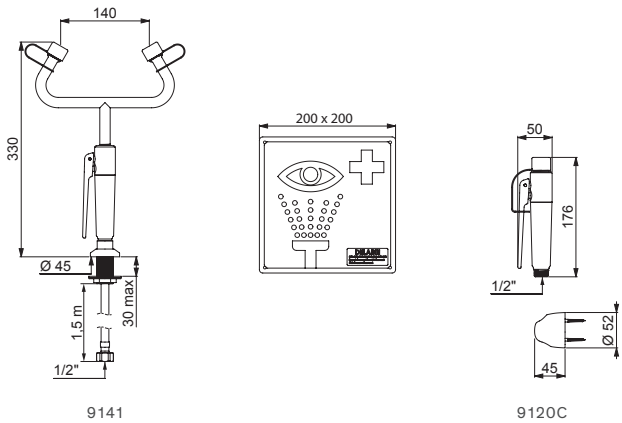
- **Effective:** large flow rate for rapid decontamination
- **Safety:** eye wash spray heads fitted with protective caps, stainless steel filters stop debris coming into contact with eyes
- **Comfort:** ergonomic grip in green polypropylene

Trigger-operated eye wash - dual / single spray

Trigger-operated



- Eye wash spray heads fitted with protective caps in green ABS; will eject automatically when activated.
- Press the trigger to operate eye wash spray.
- A spring automatically shuts off spray.
- Aerator with stainless steel double filters.
- Ergonomic grip and trigger in green polypropylene.
- Supplied with identification sign for first aid equipment: "Safety Eye Wash".



Trigger-operated eye wash - dual spray (flow rate 9 lpm)	
Wall-mounted with support	9121
Deck-mounted, flexible L. 1.50m 15 x 100 1/2"	9141
Trigger-operated eye wash - single spray (flow rate 6 lpm)	
Wall-mounted with support	9120C
Deck-mounted, flexible L.1.50m 15 x 100 1/2"	9140C

We recommend installing a TMV (see page 129) and a floor trap (see page 119)

Additional Fittings



Aerator F22/100:

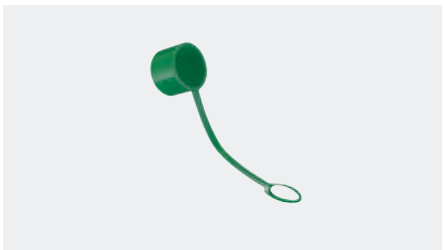
- Aerator F22/100 with grid for comfortable spray.
- For hand sprays ref. 9120C, 9140C, 9121 and 9141 or for eye wash stations ref. 9102, 9201 and 9203.



A22D75

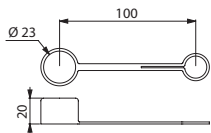
Aerator F22/100

For hand sprays	A22D75
For eye wash stations	A22LY75



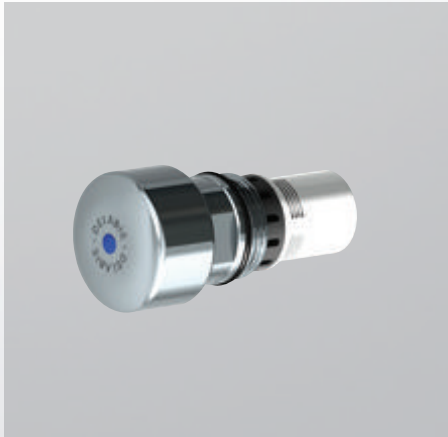
Protective caps for aerators:

- Protective caps in green, shock-resistant ABS to protect the spray heads.
- Eject automatically when eye wash is activated.
- Supplied in packs of 2.



91AA75

Protective caps	91AA75
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Sanitary technical data

Spare parts

Certification

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SANITARY
TECHNICAL DATA

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SPARE PARTS

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CERTIFICATION

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REFERENCE
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GENERAL RULES FOR SANITARY INSTALLATIONS

Sanitary installations must comply with local and national water supply regulations (Water Supply Regulations, Scottish Bylaws, NF P 41-205, REEF) by-laws and building and plumbing regulations. These are, however, often incomplete for installations fitted with time flow controls.

They require a particular assessment.

Pipework diameters are often chosen depending on the flow rate they provide to the different points-of-use, their development, the distribution height and the minimum static pressure available.

CALCULATION CRITERIA FOR WATER SUPPLY PIPES

Number of time flow valves: (x) per installation branch.

Base flow rate: (Q min. L/sec.): minimum flow rate per outlet, used as a base for calculation.

The base flow rates for time flow mixers/taps are mentioned in the catalogue and on table 1 and 2 (see following pages).

The base flow rate is always shown as dynamic pressure.

Gross flow rate

Sum of base flow rate of the different time flow mixers/taps on the same branch.

Design flow

(Q) total flow rate multiplied by the simultaneous coefficient (Y). In principle, flow rates are not cumulative, except for flush valves.

Simultaneous coefficient

(Y) coefficient to apply to gross flow rate, relative to the number of installed valves (X), to simulate the number of valves operating simultaneously. This coefficient will vary according to the frequency of use of the sanitary facilities.

• Normal or low demand

Use the formula:

$$Y = \frac{0,8}{\sqrt{(x-1)}}$$

• High simultaneous demand (public areas)

Public buildings, schools, swimming pools, campsites, etc. use the formula:

$$Y = \frac{2}{\sqrt{(x-1)}}$$

• High simultaneous demand at peak periods

Changing rooms, sports stadia, barracks, boarding schools, swimming pools, campsites, etc.: use the coefficient

$$Y = 0.6 \text{ or } 0.7$$

Time flow flush valves

Follow the recommendations in Table 1 (see opposite).

Total pressure

Static pressure at the water meter.

Static pressure

Pressure with no flow at a single point in the installation.

Dynamic pressure

Pressure under flow at a single point in the installation. For each time flow valve (see table 1).

Maximum pressure for time flow valves to operate: 10 bar.

Recommended pressure range: 1 - 5 bar.

Recommended pressure on each floor: 3 bar.

Residual dynamic pressure:

pressure available at the valve inlet

= total pressure - pressure drop.

RECOMMENDATIONS FOR SIZING HORIZONTAL FINAL PIPEWORK

To simplify your work, here are DELABIE's recommendations for selecting the correct pipe size (table 1), suitable for:

- Sanitary fittings in public buildings with high simultaneous demand.
- Horizontal pipe runs.
Design velocity 1.5 - 2m/sec.
if Design velocity < 1m/sec.,
(see the *Darius Abacus* chart page 251).

For rising and falling pipework, follow the classic plumbing calculation methods.
In all other cases use our CALCULATION GUIDE (see page 250).

TABLE 1 / PIPEWORK DIAMETER RELATIVE TO THE NUMBER OF TIME FLOW TAPS/VALVES

Horizontal pipe runs - Design velocity 1.5 m/sec. (2 m/sec. max.)

Time flow valve	No. Time flow valves on the same pipe run	FLOW RATE		PIPES		Minimum dynamic pressure for single tap, bar
		Gross Flow Rate L/sec.	Design corrected L/sec.	Plastic pipes Int. Ø	Copper pipes Int. Ø	
BASIN Base Flow Rate= 0.1 L/sec. (x 7 seconds)	1	0.10	0.10	12	12/14	0.50
	2 or 3	0.20 - 0.30	0.20 - 0.30	12	14/16	
	3 or 4	0.30 or 0.40	0.30 - 0.40	16	16/18	
	5 - 10	0.50 - 1	0.50 - 0.66	20	20/22	
	10 - 15	1 - 1.50	0.66 - 0.79	25	26/28	
	15 - 35	1.50 - 3	0.79 - 1.11	32	30/32	
	35 - 70	3.50 - 7	1.19 - 1.62	32		
	70 - 100	7.50 - 10	1.74 - 2	40	38/40	
SHOWER Base Flow Rate 0.2 L/sec. (x 30 seconds)	1	0.20	0.20	12	14/16	1
	2	0.40	0.40	16	18/20	
	3 - 5	0.60 - 1	0.60 - 1	25	26/28	
	6 - 20	1.20 - 4	1.07 - 1.83	32		
	20 - 50	4 - 10	1.83 - 2.85	40	38/40	
	50 - 100	10 - 20	2.85 - 4	50		
URINAL With water nozzle and stall Base Flow Rate 0.15 L/sec. (x 3 seconds)	1	0.15	0.15	12	12/14	0.50
	2	0.30	0.30	12	14/16	
	3 or 4	0.45 - 0.60	0.45 - 0.60	20	20/22	
	5 - 10	0.75 - 1.50	0.75 - 1	25	26/28	
	10 - 15	1.5 - 2.25	1 - 1.20	32	30/32	
	15 - 35	2.25 - 5.25	1.20 - 1.80	32		
SIPHON ACTION URINAL With small independent waste Base Flow Rate 0.3 L/sec. (x 3 seconds)	1	0.30	0.30	16	14/16	0.60
	2	0.60	0.60	20	20/22	
	3 or 4	0.90 - 1.20	0.90 - 1.20	25	26/28	
	5 - 10	1.5 - 3	1.50 - 2	32		
	11 - 16	3.30 - 4.80	2.10 - 2.50	40	38/40	
	17 - 30	5.10 - 12	2.60 - 4.50	50		
SIPHON ACTION URINAL Integrated ceramic waste Base Flow Rate 0.5 L/sec. (x 7 seconds)	1	0.50	0.50	20	18/20	0.60
	2	1	1	25	26/28	
	3 or 4	1.50 - 2	1.50 - 2	32		
	5	2.50	2.50	40	38/40	
	6 - 15	3 - 7.50	2.70 - 4			
	16 - 40	8 - 20	4.10 - 6.41			
WC 3/4" - 1" Standardised Base Flow Rate 1 L./sec. (x 7 seconds)	1	1	1	25	20/22	1.5
	2 or 3	2 or 3	1	25	26/28	
	4 - 12	4 - 12	2	32		
	13 - 24	13 - 24	3	40	38/40	
	25 - 50	25 - 50	4	50		
	+ 50	+ 50	5	50		
WC 1 1/4" Base Flow Rate 1.2 L./sec. (x 7 seconds)	1	1.20	1.20	25	26/28	1
	2 or 3	2.40 - 3.60	1.20	32		
	4 - 12	4.80 - 14.40	2.40	40	38/40	
	13 - 24	15.60 - 28.80	3.60	50		
	25 - 50	30 - 60	4.80	63		
	+ 50	60	6	63		

1mCE = 0.1 bar

Important: after selecting the pipe diameter, check that the residual dynamic pressure remains sufficient at the time flow valves inlet. Take into account all pressure drops in the installation. See the following CALCULATION GUIDE parts 5 and 6.

CALCULATION GUIDE FOR TIME FLOW CONTROLS SUPPLY PIPES

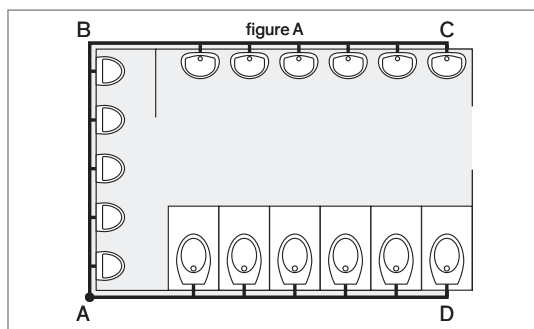
TABLE 2 / MINIMUM CALCULATION TO SUPPLY TIME FLOW VALVES

	BASIN	SHOWER	URINAL	SIPHON ACTION URINAL	SIPHON ACTION URINAL (with small waste)	WC
Min. flow rate Q min. (L/sec.)	0.10 L/sec. or 0.05 L/sec.	0.20 or 0.10 L/sec.*1	0.15 L/sec.	0.50 L/sec.	0.30 L/sec.	1 L/sec.*2
Min. dynamic pressure (bar)	0.5	1	0.5	0.6	0.6	1.5
Simultaneous Coeff. for normal use Y	$Y = \frac{0.8}{\sqrt{x-1}}$	$Y = \frac{0.8}{\sqrt{x-1}}$	$Y = \frac{0.8}{\sqrt{x-1}}$	$Y = \frac{0.8}{\sqrt{x-1}}$	$Y = \frac{0.8}{\sqrt{x-1}}$	see Table 1 Design Flow Rate page 249
Simultaneous Coeff. for high use Y	$Y = \frac{2}{\sqrt{x-1}}$	$Y = \frac{2}{\sqrt{x-1}}$	$Y = \frac{2}{\sqrt{x-1}}$	$Y = \frac{2}{\sqrt{x-1}}$	$Y = \frac{2}{\sqrt{x-1}}$	-
Design Velocity	Out of housing area: $1.5 < V < 2$ m/sec., Housing area: 1 m/sec.					

*1For TEMPOMIX shower mixers, TEMPOSTOP and SPORTING shower kits, TONIC JET and GYM shower heads, the minimum Q is 0.10 L/sec.

*2For flush valves ¾" the Base Flow Rate is 1 L/sec.

1. Note installation data per branch



Example Figure A

- Total available pressure 4 bar.
- Design velocity 1.5m/sec.
- Pipe lengths AD = 8m, ABC = 12m.
- Supply head AD = 1m, ABC = 1m.
- Type and number of outlets per branch:
AD: 6 WC, ABC: 5 urinals and 6 basins.
- Base flow rate (Q min.) L/sec.
6 WC = 1.5 L/sec.,
5 urinals = 0.15 L/sec.,
6 basins = 0.10 L/sec.

2. Calculate flow rate per installation branch

Add together the base flow rate for each outlet.
See minimum Q calculation Table 2.

Example ABC branch

5 urinals x 0.15 L/sec. = 0.75 L/sec. + 6 basins x 0.10 L/sec.
= 0.60 L/sec.
Total flow rate = 1.35 L/sec.
Supply TEMPOSTOP flush valves and shower valves separately.
E.g. AD branch 6 WCs, see section 3.

3. Calculate the design flow rate

Gross flow rate x simultaneous coefficient (Y),
for sanitary fittings in public buildings with high
simultaneous demand at peak periods, use the formula:

$$Y = \frac{2}{\sqrt{x-1}}$$

where X represents the number of appliances (valid for X > 5)

Example branch ABC

Gross flow rate for 5 urinals + 6 basins = 1.35 L/sec.

Design flow rate = 1.35 L/sec. x $\frac{2}{\sqrt{11-1}} = 0.85$ L/sec.

Special cases: showers with high simultaneous demand at peak periods (sports centres, barracks, boarding schools, swimming pools, campsites, etc.).
Use the simultaneous coefficient 0.6 or 0.7.

Example

Design flow rate for 12 SPORTING showers
ref. 714000:
Gross flow rate 1.2 L/sec. x 0.7 = 0.84 L/sec.
Design flow rate for 24 SPORTING showers
ref. 714000, gross flow 2.4 L/sec. x 0.6 = 1.44 L/sec.

Flush valve See recommendations Table 1,
WC Column page 249.

The design flow for flush valves must be added
to the sum of the flow rates for the other appliances
after the application of coefficient Y.

Example Figure A

Branch AD: 6 WCs, design flow = 3 L/sec.
Branch ABC: 5 urinals + 6 basins, design flow = 0.85 L/sec.
Design flow of the inlet pipe in A = 3.85 L/sec.

For sanitary fittings with normal or low demand

Use the simultaneous coefficient

$$Y = \frac{0.8}{\sqrt{x-1}}$$

4. Pipe diameter selection: using the Darius Abacus chart

Reading the DARIUS ABACUS

Mark the DESIGN FLOW and the DESIGN VELOCITY on the chart and join these points with a ruler. The pipe DIAMETER and PRESSURE DROPS can now be read on corresponding scales. Take the higher reading.

Example 1

Installing 30 time flow basin taps.

Design Flow 0.45 L/sec.

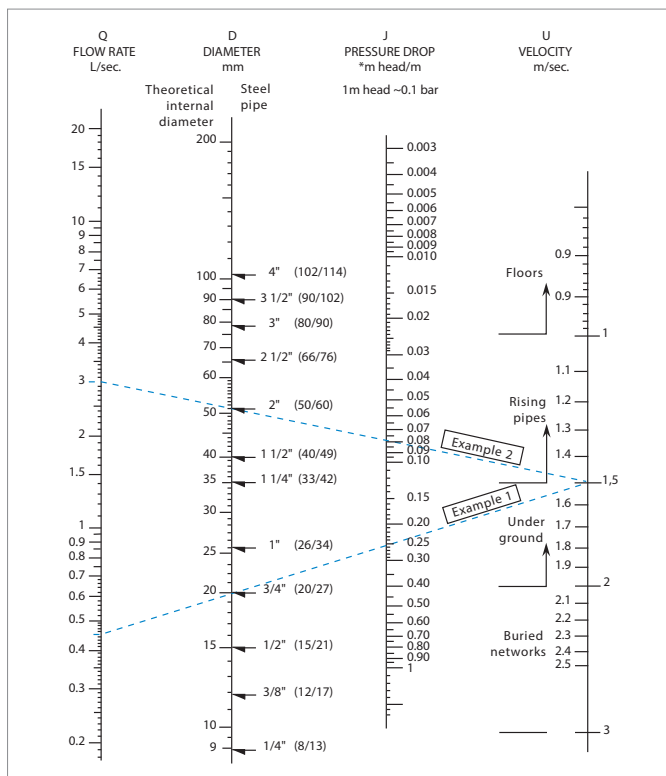
Design Velocity 1.5 m/sec.

The abacus indicates Ø 20mm, either copper pipe 20/22 or steel pipe 20/27 (¾").

Pressure Drop per metre of pipe = 0.25m head.

If the pressure drop is too great to supply the most distant tap ($P < 0.4$ bar), a larger diameter pipe will be required, selecting a 1" steel pipe 26/34 (1") then Design Velocity: 1 m/sec., pressure loss 0.09m head.

NB: for hot water systems do not use galvanised steel pipes, only copper or synthetic material pipes.



5. Calculate system pressure drops in m head

5.1 Pressure drop (friction in the pipes)

Multiply the pressure drop (J) as per the Darius Abacus by the pipe length.

E.g. 5 flush valves, $Q = 3$ L/sec., $U = 1.5$ m/sec., pipe length = 10m.

Read from the Darius Abacus pipe diameter (D) = Ø 50mm,

$J = 0.08$ m head.

Total pressure drop: 0.08 m head \times 10m = 0.8m head.

5.2 Add the difference in height of the water column

E.g. 6m = 6m head.

5.3 Add the specific pressure drop for the outlet

See the manufacturer's catalogue, for example, here are the current pressure losses:

- water meter at peak usage = 6m head
- pressure reducer = 5m head
- hot water storage = 3m head
- group thermostatic mixing valve = 6m head

6. Check residual dynamic pressure is sufficient including pressure losses

Example 2

5 flush valves installed on the first floor.

Pipe length A B C D E = 38m.

Height difference CD = 6m.

Design flow = 3 L/sec.

Design velocity = 1.5 m/sec.

Pipe diameter based on Darius Abacus = 50mm.

Pressure drop in the pipe: 0.08 m head \times 38m = 3.04m head.

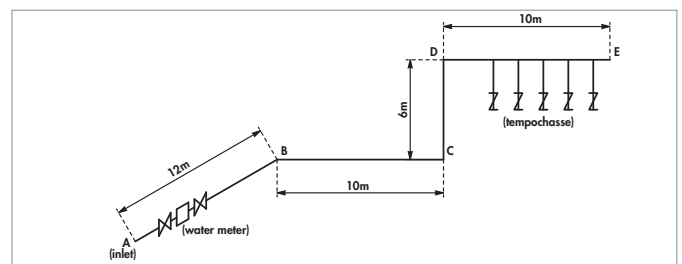
Add difference in height = 6m head.

Total pressure drop = 9.04m head, approximately 0.9 bar.

Total pressure 3 bar.

Residual dynamic pressure (E) = 3 - 0.9 = 2.1 bar.

For effective operation, the minimum dynamic pressure required is 1 bar, therefore the selected pipe diameter is correct.

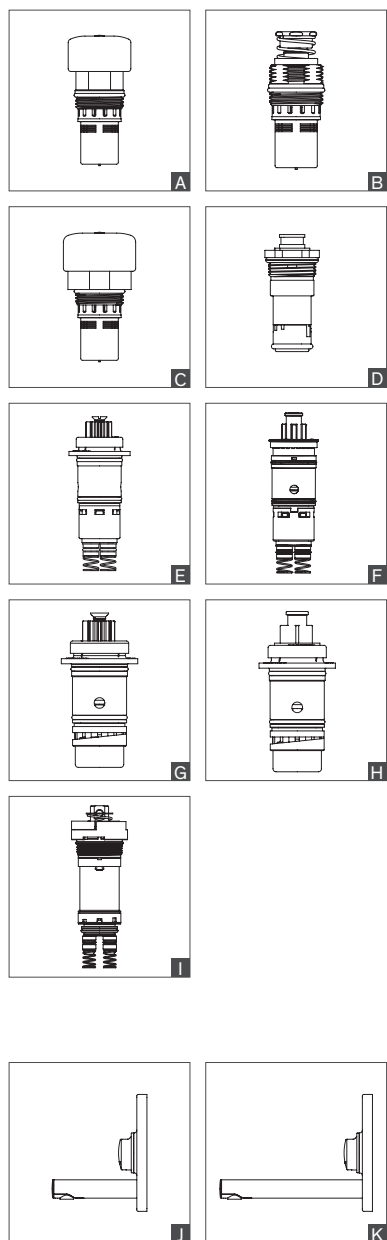


7. Insufficient pressure

See minimum dynamic pressure Table 1.

If the pressure is insufficient, increase the size of the pipe and components to reduce pressure losses or anticipate a booster set (contact manufacturers for further information).

BASINS



Cartridges

	Time flow (sec.)	Maintenance kit	Complete cartridge	Type
For TEMPOSTOP				
744000, 745100, 745107, 745200, 745250, 745257, 745300, 746000, 746007, 746292	7	753005	743005	A
745440, 745450, 746410, 747121, 748126	7	753005	743305	B
737152, 737202	3	753303	743323	B
741943, 741945, 747122L, 702451	7	753105	743205	B
744001, 745101, 745301, 745351, 746001	7	753105	743105	A
748150	15	753010	743010	A
748151	15	753115	743115	A
For TEMPOSTOP 2 / TEMPOMIX 2				
700000, 70000015, 700100, 70010015, 700200	7	753005	743907	C
700001, 70000115, 700101, 702301	7	753105	743908	C
700400, 70040015, 700500, 700400	7	753005	743305	B
For TEMPOSOFT				
740000, 741000, 742000, 74200015, 742100	7	-	743747	D
For TEMPOSOFT 2				
740300, 740500, 741500, 741550, 742500, 74250015, 742510	7	-	743747	D
740300, 740500, 741500, 741550, 742500, 74250015, 742510	15	-	743742	D
For TEMPOMIX				
795000, 79500015 (before 07/2017)	7	753795	743795	E
795000, 79500015 (after 07/2017)	7	753795	743791	F
795926, 79592615	7	753795	743795	E
795209	7	753796	743798	G
796000, 796838, 797000, 798152 (before 07/2017)	7	753796	743796	G
796000, 796838, 797000, 798152 (after 07/2017)	7	753796	743786	H
For TEMPOMIX 3				
794000, 79400015, 794100, 794150, 794155, 794160, 794165, 794050, 794055	7	-	743794	I
794350, 794360, 794370, 794200, 794250	7	-	743793	I
For non-manual controls				
TEMPOGENOU 734100, 735100, 735000, 735400, 73544715	7	753005	743305	B
MONOFOOT 736001, 736101, 736102	-	753736	-	-
MIXFOOT 739000, 739100, 739102	-	753739	-	-

Wall plates

For TEMPOMIX 3 recessed				
Chrome-plated metal wall plate, spout L.110mm			794PLAQ11	J
Chrome-plated metal wall plate, spout L.190mm			794PLAQ19	K

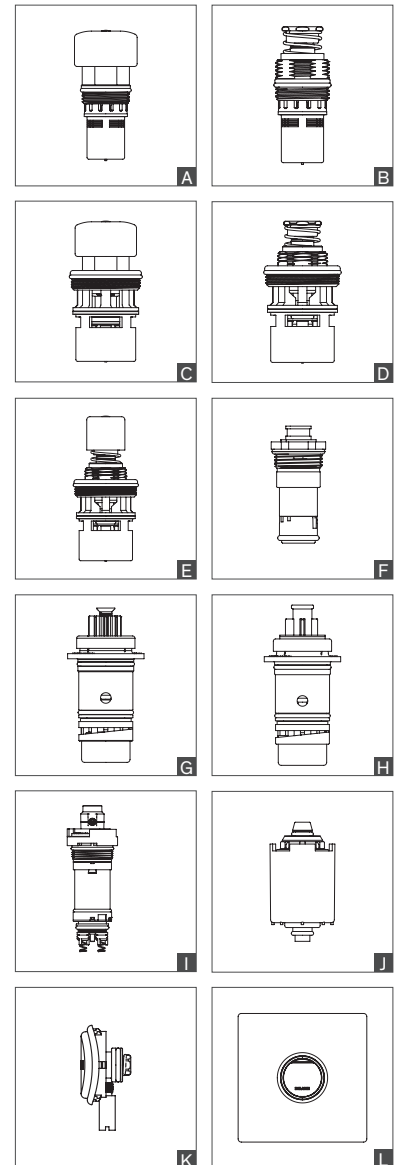
SHOWERS

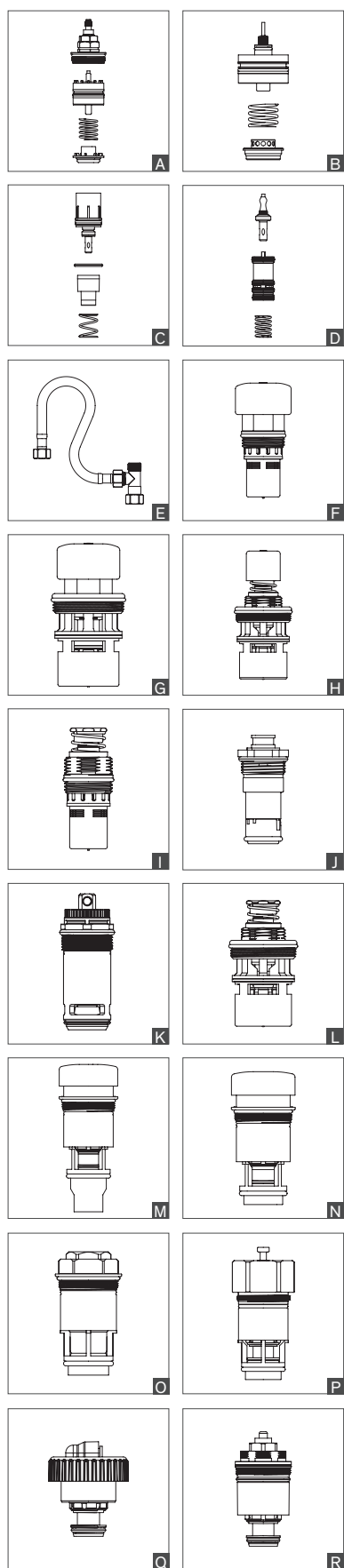
Cartridges

	Time flow (sec.)	Maintenance kit	Complete cartridge	Type
For TEMPOSTOP				
747000, 748000	15	753010	743010	A
747004, 747006, 747500	15	753010	743310	B
749000	30	753749	743749	C
749BOX	30	753149	743644	-
749570, 749700, 749770, 749001, 749715, 749725	30	753149	743700	C
749142, 749146, 749152, 749159, 749212, 749219	30	753149	743642	D
749128, 749628, 749925	30	753149	743428	E
747122, 747214	15	753115	743215	B
For TEMPOSOF 2				
747800, 747801, 748800, 749422, 749428, 749429, 749870	30	-	743743	F
For TEMPOMIX				
790000, 790001, 790006, 790008, 790218, 790219, 790425, 790427, 790709, 790712, 790874, 790875, 790909, 790912, 790925, 790927, 790970 (before 09/2017)	30	753790	743790	G
790000, 790001, 790006, 790008, 790218, 790219, 790425, 790427, 790709, 790712, 790874, 790875, 790909, 790912, 790925, 790927, 790970 (after 09/2017)	30	753790	743789	H
796152, 796159, 796202, 796209	30	753790	743797	G
For TEMPOMIX 3				
794450, 794400, 794470, 794218, 794219	30	-	743799	I
For SPORTING				
713000, 714000, 714002	30	-	743714	J
Starter only for: ditto	-	-	714764	-
714700	30	-	743715	J
Starter only for: 714700	-	-	714765	K

Wall plate

For TEMPOMIX 3 recessed			
Chrome-plated metal wall plate		794PLAQ	L





THERMOSTATIC MIXERS

	Repair kit	Type
For PREMIX SECURITY after 06/2008		
731052, 731053	753750	A
731054, 731055	753755	B
For PREMIX COMFORT after 06/2008		
731002, 731200, 731003, 731300	753730	A
731004, 731400, 731005, 731500	753735	B
For PREMIX COMPACT		
733015, 733016, 733020, 733021	753733	C
For PREMIX NANO		
732012, 732016, 732115, 732116, 732216	743732	D
Connector kit 3/8" for 732216	732515	E
For ECONOMIX		
2 × 15mm Combi angled inlet assembly	BA9915	-
2 × 22mm Combi angled inlet assembly	BA9922	-

URINALS

	Time flow (sec.)	Maintenance kit	Complete cartridge	Type
For TEMPOSTOP				
777000, 778000	3	753303	743003	F
779000	7	753148	743707	G
779BOX	7	753148	743645	-
779128, 779427	7	753148	743528	H
777200, 777924, 538300, 538350, 538400, 538450	3	753303	743323	I
For TEMPOSOFT 2				
777130, 777140, 777800, 778800	3	-	743744	J
For TEMPOFLUX				
778755, 778757, 778700	3	-	743778	K

Wall plate

TEMPOFLUX recessed		
Satin finish stainless steel wall plate	778PIS	-

WCs

	Time flow (sec.)	Maintenance kit	Complete cartridge	Type
For TEMPOCHASSE				
760000, 760004, 760005, 760450	7	753779	743779	G
760150, 760220, 760605, 760627, 760700	7	753779	743605	L
760410	7	753779	743705	L
For TEMPOFLUX				
761000, 761001, 761002, 761003, 761004, 761025	7	753761	743761	M
761627, 761900, 761920	7	753761	743762	N
761150, 761200, 761700	7	753763	743763	O
For TEMPOFLUX 2				
762901, 762902, 576211, 578300, 578305	7	-	743622	P
762150	7	-	743623	-
576227, 578400, 578405	7	-	743677	-
For TEMPOFLUX 3				
763000, 763040	7	-	743765	Q
763201, 763203	7	-	743764	R

Wall plates

TEMPOFLUX 3 recessed		
Satin finish stainless steel wall plate	763PIM	-
Chrome-plated metal wall plate	763PMM	-

AERATORS, FLOW STRAIGHTENERS, FILTERS, SCREWS

	Repair kit	Type
Scale-resistant aerators		
F22 with ECO washer (2 per pack)	925622.2P	A
M24 with ECO washer (2 per pack)	925624.2P	B
Comfort aerators		
M16.5/100 for TEMPOMIX 1 (after 07/2017) and TEMPOMIX 3 recessed	925616.2P	C
Removal key	222429	D
ECO aerators 1.5 lpm		
M24/100	925724.2P	E
M16.5/100	925716.2P	F
Flow straighteners at 3 lpm adjustable with 2.5mm Allen key		
F22/100 with adjustable flow rate (2 per pack)	922022.2P	G
M24/100 with adjustable flow rate (2 per pack)	922024.2P	H
Key to adjust (2.5mm Allen key)	C282025	K
Flow straighteners		
Ø 18 for TEMPOSTOP 2 and TEMPOMIX 2	700BJ	-
Ø 13mm for TEMPOSTOP, TEMPOSOFT 2 and TEMPOMIX 3	BJ13V	-
M16.5/100 for TEMPOMIX 1 (after 07/2017) and TEMPOMIX 3 recessed	922016.2P	I
Removal key for flow straightener M16.5/100	222429	D
BIOSAFE outlet		
M16.5/100 for TEMPOMIX 3 recessed	923016.2P	J
Removal key	222429	D
Flat filter washer		
Nylon, mesh 0.5mm for nuts ½" (10 per pack)	60212.10P	L
Nylon, mesh 0.5mm for nuts ¾" (10 per pack)	60234.10P	L
Stainless steel, mesh 0.3mm for nuts ¾" (10 per pack)	60300.10P	-
Conical filter		
0.5mm mesh for nuts ¾" (10 per pack)	60438.10P	-
Tamperproof screws		
TORX M5 × 25 + metal plugs (4 per pack)	999049	-

BINECO CONTROLS

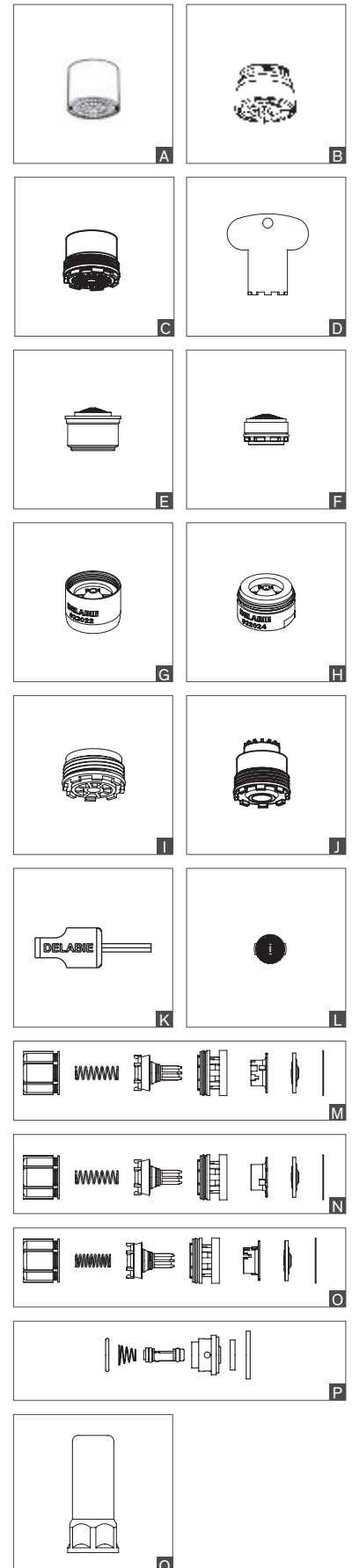
	Repair kit	Type
BINECO basin ~15 seconds		
Previous reference. 13A15 For series 304, 380, 601, 602, 603	KB7015	M
BINECO urinal/basin ~7 seconds		
Previous reference 7A9. ½" For urinal series 303, 403, 356EBR, 382115, 404000 For basin series 198000, 199000, 201000, 201BIP, 68 SOL.	KB7007	N
BINECO shower ~25 seconds		
Previous reference 20A25. ½" For series 66, 68205, 77215, 85000, 87215, 87CP2.	KB7025	O
BINECO shower, water fountain tap and bubbler		
For shower push-starter 83000, 84000, 83APL, 84APL For water fountain tap and bubbler 311, 312, 319, 322, 323.	KBP311N	P

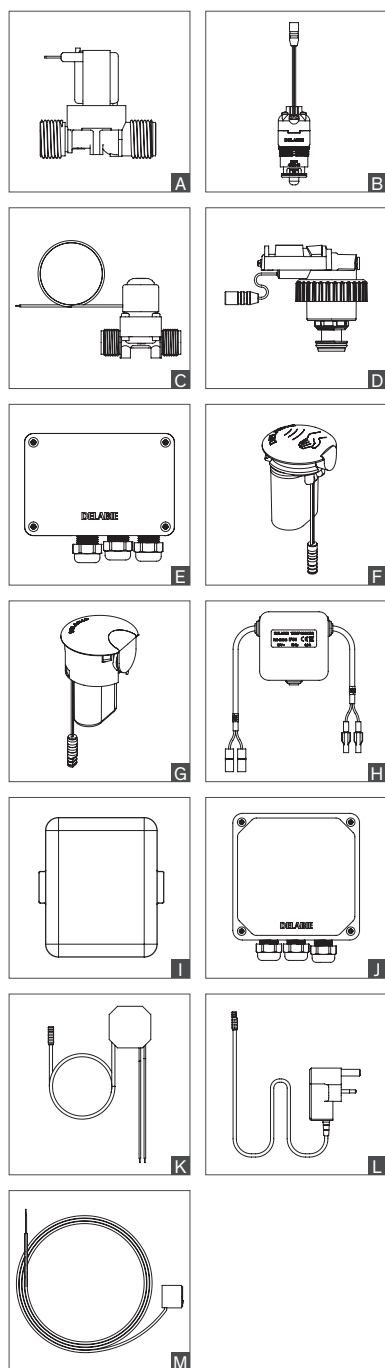
WATER HAMMER ABSORBERS ADLACTION

- With stainless steel spring and piston
- Absorbs the smallest variations in pressure and water hammer up to 20 bar. Solid cast brass.



Water hammer absorbers ADLACTION		
F½" - H.90	23015	Q
F¾" - H.92	23020	Q
F1" - H.98	23026	Q
F1¼" - H.103	23033	Q





SOLENOID VALVES

For basins, showers, urinals and WCs		
12V MM½" for basins or urinals	495626	A
12V MM¾" for basins	495612	A
12V MM¾" for siphon action urinals and multi-urinals	429101	A
12V MM1" for WCs and urinals except 463326	461035	-
12V MM1" for WCs 463326	461034	-
6V for TEMPOMATIC 3 basins	479749	B
6V for TEMPOMATIC 4	479748	B
6V for TEMPOMATIC 4 basins (with adjustable flow rate)	479650	-
6V MM½" for TEMPOMATIC 1 and 2, BINOPTIC	495646	C
6V MM¾" for TEMPOMATIC 1 and 2, BINOPTIC, HYBRIMATIC	495606	-
6V MM½" for TEMPOMATIC shower panels	495615	-
6V MM½" SECURITHERM recessed for showers	479452	-
6V MM½" for TEMPOMATIC 4 recessed for urinals	430646	-
Electronic unit for TEMPOMATIC WC dual control	461032	D
12V MM½" with 4m cable for TEMPOMATIC multifunction unit	495626CEB	-
Cable L. 4m for TEMPOMATIC multifunction unit solenoid valve	441452CEB	-
12V F1"-F1¼" for WC with backflow prevention device and stopcock for TEMPOMATIC multifunction unit	463SRH	-

ELECTRONIC CONTROL UNITS

For basins, showers, urinals and WCs		
230/12V standard with "duty flush" option, with transformer for basins	495444BC	E
6V with integrated batteries for TEMPOMATIC 3 basins	492446	F
6V with integrated batteries TEMPOMATIC 4 basins	490446	G
6V for TEMPOMATIC 4 basins, mains supply	490450	G
230/12V multifunction with transformer for basins, showers, flush type 461...	495445BC	E
6V battery-operated for basins	495446BC	E
12V without transformer for multi-urinals with infrared barrier	487449	H
12V without transformer for individual exposed or recessed urinals	428012	H
12V without transformer for individual cross wall urinals	428112	H
6V with integrated batteries for TEMPOMATIC 3 urinals	479446	F
6V with integrated batteries for TEMPOMATIC 4 urinals	479436	G
6V with integrated batteries for HYBRIMATIC	101339	I
230/12V multifunction with transformer for dual flush type 463...	463000	J

SUPPLY CABLES

For TEMPOMATIC 4 basin with mains supply		
6V recessed supply	490240	K
6V European plug supply	490241	-
6V British plug supply	490241UK	L
Extension	490230EXT	-

SENSORS

For basins, showers, urinals and WCs		
For TEMPOMATIC multi-urinal with infrared barrier, with 5m cable	487499	M
With cable 0.70m	495070	M
With cable 1.50m	495149	M
With cable 5m	495499	M
For BINOPTIC basin and TEMPOMATIC 2 basin, cable 0.70m	CEL378V	-
For BINOPTIC basin and TEMPOMATIC 2 basin, cable 1.50m	CEL378150V	-
For BINOPTIC basin and TEMPOMATIC 2 basin, cable 5m	CEL378499V	-
For TEMPOMATIC WCs automatic/voluntary, with cable	463399	M

NB: cable cannot be extended or cut

BATTERIES

For basins, showers, urinals and WCs

2 × 3V Lithium batteries 123/CR 17345	990123	A
1 × 6V Lithium battery 223/CR - P2	990223	B

HYBRID SYSTEM

For HYBRIMATIC FINO and DELTACÉRAM

Membrane	101309	C
Trap and waste	101319	D

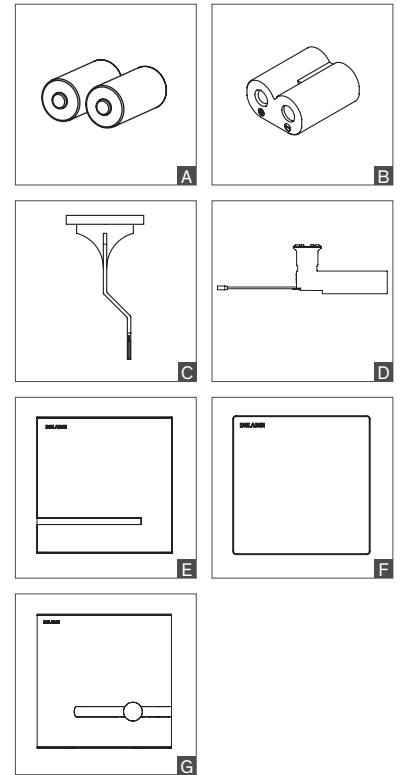
WALL PLATES WITH INTEGRATED ELECTRONICS

For TEMPOMATIC 4 urinals

6V with integrated batteries - bright polished finish stainless steel	430PIPP	E
230/6V - bright polished finish stainless steel	430PIPS	E
6V with integrated batteries - satin finish stainless steel	430PISP	E
230/6V - satin finish stainless steel	430PISS	E
6V with integrated batteries - white powder-coated finish	430PBP	E
230/6V - white powder-coated finish	430PBS	E
6V with integrated batteries - vitro-ceramic black glass finish	430PVP	F
230/6V - vitro-ceramic black glass finish	430PVS	F

For TEMPOMATIC WC dual control

6V with integrated battery - satin finish stainless steel	464PISP	G
230/12V - satin finish stainless steel	464PISS	G



WATER REGULATIONS ADVISORY SERVICE



All sanitary fittings that deliver water from a public mains water supply must comply with the Water Supply (Water Fittings) Regulations (1999) or Scottish Bylaws.

These fittings must be of an 'appropriate quality and standard' and must not contaminate the water or cause wastage.

Products that are WRAS approved demonstrate this compliance and are recognised by all water suppliers in the UK.

TMV3 SCHEME



The TMV scheme is an independent third party approval scheme administered by BuildCert. The scheme certifies that Type 3 thermostatic mixing valves conform to performance requirements of the NHS specification D08 in Healthcare and Commercial applications in the UK.

BuildCert also certifies Type 2 thermostatic mixing valves destined for use in domestic applications to ensure the safe use of hot water in domestic premises.

Reference	Product	WRAS Certificate	Expiry Date	BuildCert Certificate	Expiry Date	Page
30050A.10P	10 × BIOFIL non-sterile cartridge filter A rain effect spray	WRAS1611078	30/11/21			127
30050P.10P	10 × BIOFIL non-sterile cartridge filter P rain effect spray	WRAS1611078	30/11/21			127
30060.10P	10 × BIOFIL shower head with integrated filter	WRAS1611079	30/11/21			127
30061.10P	10 × BIOFIL threaded shower head with integrated filter	WRAS1611079	30/11/21			127
312QU1	Bubbler tap chromed M3/8" for fountain	WRAS1401017	Renewal			60
378015	BINOPTIC basin tap M3/8" mains 230/12V + trans	WRAS1405016	Renewal			29
378MCH	BINOPTIC MIX basin mixer M3/8" mains 230/12V + trans	WRAS1405016	Renewal			29
379D13	BINOPTIC c-wall 190 basin tap M3/8" spout L135 mains + trans	WRAS1405015	Renewal			33
379DER	BINOPTIC c-wall 190 basin tap M3/8" spout L205 mains + trans	WRAS1405015	Renewal			33
379ENC	BINOPTIC rec basin tap M3/8" spout L200 mains + trans	WRAS1405015	Renewal			33
379MCH	BINOPTIC MIX c-wall 110 basin mix M3/8" mains 230/12V +trans	WRAS1405015	Renewal			33
430000	TEMPOMATIC 4 recessed urinal st steel satin 230/6V kit 2/2	WRAS1804032	30/04/23			153
430006	TEMPOMATIC 4 recessed urinal st steel satin 6V batt kit 2/2	WRAS1804032	30/04/23			153
430010	TEMPOMATIC 4 recessed urinal pol st steel 230/6V kit 2/2	WRAS1804032	30/04/23			153
430016	TEMPOMATIC 4 recessed urinal pol st steel 6V battery kit 2/2	WRAS1804032	30/04/23			153
430020	TEMPOMATIC 4 recessed urinal white st steel 230/6V kit 2/2	WRAS1804032	30/04/23			153
430026	TEMPOMATIC 4 recessed urinal white st steel 6V batt kit 2/2	WRAS1804032	30/04/23			153
430030	TEMPOMATIC 4 recessed urinal black glass 230/6V kit2/2	WRAS1804032	30/04/23			153
430036	TEMPOMATIC 4 recessed urinal black glass 6V battery kit2/2	WRAS1804032	30/04/23			153
430PBOX	TEMPOMATIC 4 recessed elect urinal F1/2" 6V batteries kit 1/2	WRAS1804032	30/04/23			153
430SBOX	TEMPOMATIC 4 recessed electronic urinal F1/2" 230/6V kit 1/2	WRAS1804032	30/04/23			153
44000115	TEMPOMATIC 4 basin tap M1/2" rec UK mains plug Ø15 stopcock	WRAS1603070	31/03/21			23
440001HK	TEMPOMATIC 4 basin tap F3/8" HK mains plug 230/6V +stopcock	WRAS1603070	31/03/21			-
440006	TEMPOMATIC 4 basin tap F3/8" int. 6V batteries + stopcock	WRAS1603070	31/03/21			-
44000615	TEMPOMATIC 4 basin tap M1/2" 6V batteries 15mm + stopcock	WRAS1603070	31/03/21			23
44200615	TEMPOMATIC 3 basin tap M1/2" 6V batteries 15mm + stopcock	WRAS1603070	31/03/21			27
443006	TEMPOMATIC 3 wall mounted basin tap M1/2" 6V batteries L190	WRAS1603071	31/03/21			27
443406	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L.125	WRAS1603071	31/03/21			25
443506	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L190	WRAS1603071	31/03/21			25
49000115	TEMPOMATIC MIX 4 basin M1/2" rec UK mains plug Ø15 stopcocks	WRAS1603070	31/03/21			22
490006	TEMPOMATIC MIX 4 basin mixer F3/8" 6V batteries + stopcocks	WRAS1603070	31/03/21			-
49000615	TEMPOMATIC MIX 4 basin mix M1/2" batteries 15mm + stopcocks	WRAS1603070	31/03/21			22
49200615	TEMPOMATIC MIX 3 basin mix M1/2" 6V batteries Ø15 +stopcocks	WRAS1603070	31/03/21			26
709000	Recessed vandal proof ROUND shower head M1/2"	WRAS1904701	30/04/24			120
709010	Vandal proof ROUND shower head M1/2" for panels 1-15mm	WRAS1904701	30/04/24			120
709150	Vandal proof ROUND shower head M1/2" for walls 180mm	WRAS1904701	30/04/24			120
709200	Vandal proof ROUND shower head M1/2" for walls 230mm	WRAS1904701	30/04/24			120
712000	TONIC JET vandal proof recessed shower head M1/2"	WRAS1904701	30/04/24			120
712010	TONIC JET vandal proof shower head M1/2" for panels 1-10mm	WRAS1904701	30/04/24			120
712150	TONIC JET vandal proof cross wall 180mm shower head M1/2"	WRAS1904701	30/04/24			120
712200	TONIC JET vandal proof cross wall 230mm shower head M1/2"	WRAS1904701	30/04/24			120
714700	SPORTING 2 anodised alu sh panel M1/2" ~30sec time flow valve	WRAS1812000	31/12/23			93
714700GR	SPORTING 2 anodised alu sh panel M1/2" ~30sec GR shower head	WRAS1812000	31/12/23			93
716000	Ceiling mounted GYM vandal proof shower head F1/2" fixed	WRAS1904701	30/04/24			120
732115	PREMIX NANO thermostatic mixer Ø15mm nickel body	WRAS1409058	30/09/19	TMVBC1430	14/08/19	141

Reference	Product	WRAS Certificate	Expiry Date	BuildCert Certificate	Expiry Date	Page
732116	PREMIX NANO thermostatic mixer Ø15mm chromed body	WRAS1409058	30/09/19	TMVBC1430	14/08/19	141
734100	TEMPOGENOU angled M1/2" lever L350 ~7sec	WRAS1406034	Renewal			58
735400	TEMPOGENOU inline M1/2" lever L350 ~7sec	WRAS1406034	Renewal			58
735447	TEMPOGENOU inline M1/2", lever L350 ~7sec comp. fittings	WRAS1406034	Renewal			-
73544715	TEMPOGENOU inline M1/2", lever L350 ~7sec comp fit + olives	WRAS1406034	Renewal			58
740500	TEMPOSOF 2 basin tap M1/2" ~7sec time flow	WRAS1805010	31/05/23			52
741500	TEMPOSOF 2 wall mtd basin tap M1/2" L110 ~7sec time flow	WRAS1804015	30/04/23			53
741777	TEMPOSOF 2 recessed rough basin tap M1/2" + nut ~7 sec	WRAS1709054	30/09/22			-
74250015	TEMPOSOF MIX 2 mixer M1/2" ~7sec comp fit Ø15 + stopcocks	WRAS1805011	31/05/23			52
742510	TEMPOSOF MIX 2 basin mixer F3/8" ~7sec time flow	WRAS1805011	31/05/23			52
743003	TEMPOSTOP 1/2" cartridge ~3sec time flow	WRAS1601016	31/01/21			254
743005	TEMPOSTOP basin/urinal cartridge ~7sec time flow	WRAS1601016	31/01/21			252
743080	TEMPOSTOP basin cartridge with disk push-button ~7sec flow	WRAS1601016	31/01/21			-
743205	TEMPOSTOP AB cross wall/lever basin cartridge ~7 sec	WRAS1601016	31/01/21			252
743215	TEMPOSTOP AB cross wall/lever basin/shower cartridge ~15sec	WRAS1601016	31/01/21			253
743305	TEMPOSTOP cross wall/lever basin/urinal cartridge ~7sec	WRAS1601016	31/01/21			252
743310	TEMPOSTOP cross wall/lever basin/shower cartridge ~15sec	WRAS1601016	31/01/21			253
745100	TEMPOSTOP basin tap M1/2" ~7sec time flow + back nut	WRAS1607002	31/07/21			56
745101	TEMPOSTOP AB basin tap M1/2" ~7sec time flow + back nut	WRAS1607002	31/07/21			56
745300	TEMPOSTOP basin tap M1/2" ~7sec time flow reinforced fixing	WRAS1607002	31/07/21			56
745301	TEMPOSTOP AB basin tap M1/2" ~7sec back nut with 3 screws	WRAS1607002	31/07/21			56
745440	TEMPOSTOP lever operated basin tap M1/2" ~7sec	WRAS1607002	31/07/21			56
747080	TEMPOSTOP exposed shower valve M1/2" disk push-button ~7sec	WRAS1610062	31/10/21			-
747114	TEMPOSTOP basin tap M1/2" inline ~3sec compression fittings	WRAS1610062	31/10/21			-
747121	TEMPOSTOP rec/c-wall basin/shower rough tap M1/2" ~15sec	WRAS1610062	31/10/21			-
747121L	TEMPOSTOP recessed basin tap M1/2" for cross wall ~7sec	WRAS1610062	31/10/21			-
747122	TEMPOSTOP AB rec/c-shower valve rough M1/2" ~15sec	WRAS1610062	31/10/21			-
747122L	TEMPOSTOP AB recessed basin tap M1/2" for cross wall ~7sec	WRAS1610062	31/10/21			-
747622	TEMPOSTOP basin/shower vlv M1/2" rough cast inline ~7sec	WRAS1610062	31/10/21			-
747800	TEMPOSOF 2 wall mtd exp shower valve M1/2" inline ~30 sec	WRAS1709054	30/09/22			113
748126	TEMPOSTOP angled basin tap M1/2" rough cast ~7sec + bk nuts	WRAS1610062	31/10/21			60
748626	TEMPOSTOP wall mtd basin tap M1/2" ang rough body ~7sec flow	WRAS1610062	31/10/21			60
748715	TEMPOSOF 2 basin M1/2" exp ang valve rough cast no push-button ~7 sec	WRAS1709054	30/09/22			-
748800	TEMPOSOF 2 exposed shower valve M1/2" angled ~30 sec flow	WRAS1709054	30/09/22			113
749428	TEMPOSOF 2 rec shower valve M1/2" ~30 sec + wall plate Ø130	WRAS1709054	30/09/22			113
749870	TEMPOSOF 2 sh valve M1/2" for panels 7mm ~30 sec time flow	WRAS1709054	30/09/22			113
790000	TEMPOMIX exposed shower mixer M3/4" ~30sec time flow	WRAS1407027	31/07/19			111
790370	TEMPOMIX shower mix M3/4" for panels 1-10mm ~30sec time flow	WRAS1407027	31/07/19			-
790970	TEMPOMIX shower mix M3/4" for panels 1-10mm ~30sec time flow	WRAS1407027	31/07/19			111
792770	SECURITHERM therm shower with filters for panels 1-7mm	WRAS1702018	28/02/22			-
792770T	SECURITHERM TMV3 therm shower with filters for panels 1-7mm	WRAS1702018	28/02/22			-
794000	TEMPOMIX 3 basin mixer F3/8" ~7sec time flow with stopcocks	WRAS1603022	31/03/21			43
794100	TEMPOMIX 3 basin mixer F3/8" ~7sec time flow	WRAS1603022	31/03/21			43
794350	TEMPOMIX 3 basin M1/2" exp mix 7sec c-c 150 swivel spt L150	WRAS1809014	30/09/23			43
794400	TEMPOMIX 3 shower M3/4" exp mixer ~30 sec c-c 150 top outlet	WRAS1805019	31/05/23			107
794470	TEMPOMIX 3 shower M1/2" exp mixer ~30 sec c-c 150 btm outlet	WRAS1805019	31/05/23			107
79500015	TEMPOMIX basin mixer M1/2" Ø15 ~7sec + stopcocks	WRAS1810035	31/10/23			49
941120	Wall mounted fixed L-shaped spout M1/2" L120 - H60 adj FS	WRAS1811017	30/11/23			59
947120	Wall mounted fixed spout M1/2" L.110 H16 Ø32 adjustable FS	WRAS1811017	30/11/23			59
947135	Wall mtd fixed spout M1/2" L120 H16 Ø32 adj FS + plate Ø60	WRAS1811017	30/11/23			59
947151	Fixed spout for walls 165mm M1/2" L120 Ø32 adjustable FS	WRAS1811017	30/11/23			59
947157	Fixed spout for walls 165mm M1/2" L170 Ø32 adjustable FS	WRAS1811017	30/11/23			59
947170	Wall mounted fixed spout M1/2" L160 H16 Ø32 adjustable FS	WRAS1811017	30/11/23			59
967152	Swivel swan neck spout M1/2" L150 H120 adj flow straightener	WRAS1811018	30/11/23			59
967202	Swivel swan neck spout M1/2" L200 H200 adj flow straightener	WRAS1811018	30/11/23			59
9639SR	SECURITHERM sequential mixing valve for shower panels	WRAS1512029	31/12/20	TMV3BC1824	14/12/21	-

REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
098020	Discontinued	-	388015	BINOPTIC basin M3/8" H.170mm tap 230/12V mains supply	31
101309	Silicone membrane for HYBRIMATIC and waterless urinals	257	388015LD	BINOPTIC basin tap M3/8" H.170mm 230/12V mains supply 1.5lpm	-
101319	Trap + waste + connector for HYBRIMATIC urinal	257	38801515	BINOPTIC basin tap Ø15 for CF H.170mm 230/12V mains supply	31
101339	6V battery unit for HYBRIMATIC FINO urinal	256	388MCHLH	BINOPTIC MIX basin M3/8" H.170mm mixer 230/12V mains supply	31
130000	HYBRIMATIC FINO urinal 304 st steel satin battery-op 6V	157	388MCHLHLD	BINOPTIC MIX basin mixer M3/8" H.170mm 230/12V mains 1.5 lpm	-
130008	HYBRIMATIC DELTACÉRAM ceramic urinal battery-operated 6V	157	388MCHLH15	BINOPTIC MIX basin Ø15 for CF H.170mm mixer 230/12V mains	31
1306T1	Tubular swivel spout Ø22 H140 L150	59	398015	BINOPTIC basin M3/8" H.250mm tap 230/12V mains supply	31
1306T2	Tubular swivel spout Ø22 H260 L200	59	39801515	BINOPTIC basin Ø15 for CF H.250mm tap 230/12V mains supply	31
1306T3	Tubular swivel spout Ø22 H260 L300	59	398MCHLH	BINOPTIC MIX basin M3/8" H.250mm mixer 230/12V mains supply	31
133788	EASY-D ceramic urinal pack with TEMPOSOF 2 inline valve	167	398MCHLH15	BINOPTIC MIX basin Ø15 for CF H.250mm mixer 230/12V mains	31
133888	EASY-D ceramic urinal pack with TEMPOSOF 2 angled valve	167	406000	Transformer 230/12V without box, suitable for DIN rail	155
134118	DELTACÉRAM wall mtd urinal top inlet ceramic	167	406220	Transformer 230/12V with waterproof box grey PVC	155
134718	DELTACÉRAM wall mtd urinal back inlet ceramic	167	428000	Replaced by 430SBOX + 430020	-
200000	Pre-mixer COMPACT MF1/2" for basin non return valves	62	428012	Elect control unit 12V for TEMPOMATIC urinal no transformer	256
204001	Deck mounted fixed spout M1/2" L150 H170 Ø16 FS 3lpm	59	428100	Replaced by 430SBOX + 430000	-
220000	Replaced by 1306T1	-	428112	Elect control unit 12V for c-wall TEMPOMATIC urinal no trans	256
222429	Key for flow straightener removal, aerator, biosafe M16.5/100	61	428150	TEMPOMATIC c-wall 155mm urinal valve M1/2" mains 12V	155
23015	Water hammer absorber, F1/2" H90	255	428200	TEMPOMATIC c-wall 225mm urinal valve M1/2" mains 12V	155
23020	Water hammer absorber, F3/4" H92	255	428221	*TEMPOMATIC rec elec urinal kit 2/2(while stock then 430010)	-
23026	Water hammer absorber, F1" H98	255	428BOX	*TEMPOMATIC rec elec urinal kit 1/2(while stk then 430SBOX)	-
23033	Water hammer absorber, F1 1/4" H103	255	429101	Solenoid valve M3/4" 12V + filter for TEMPOMATIC urinal	256
23040	Discontinued	-	430000	TEMPOMATIC 4 recessed urinal st steel satin 230/6V kit 2/2	153
292012.2P	*2 × Moulded wall plate Ø55×17×2 for tap M3/8" (while stock)	-	430006	TEMPOMATIC 4 recessed urinal st steel satin 6V batt kit 2/2	153
292015.2P	2 × Moulded wall plate Ø60×21×5 for tap M1/2"	57	430010	TEMPOMATIC 4 recessed urinal pol st steel 230/6V kit 2/2	153
292020	2 × Moulded wall plate Ø55×27×2 for tap M3/4"	199	430016	TEMPOMATIC 4 recessed urinal pol st steel 6V battery kit 2/2	153
30050A.10P	10 × BIOFIL non-sterile cartridge filter A rain effect spray	127	430020	TEMPOMATIC 4 recessed urinal white st steel 230/6V kit 2/2	153
30050P.10P	10 × BIOFIL non-sterile cartridge filter P rain effect spray	127	430026	TEMPOMATIC 4 recessed urinal white st steel 6V batt kit 2/2	153
30051A.10P	10 × BIOFIL non-sterile cartridge filter A with laminar flow	127	430030	TEMPOMATIC 4 recessed urinal black glass 230/6V kit2/2	153
30051P.10P	10 × BIOFIL non-sterile cartridge filter P with laminar flow	127	430036	TEMPOMATIC 4 recessed urinal black glass 6V battery kit2/2	153
30060.10P	10 × BIOFIL shower head with integrated filter	127	430646	Solenoid valve 6V for TEMPOMATIC 4 recessed urinal	256
30061.10P	10 × BIOFIL threaded shower head with integrated filter	127	430845	1/2" union for TEMPOMATIC 4 rec and urinal valve with flexi	-
304FC	Conical filter mesh 0.8 for nut 3/8"	-	430P006	TEMPOMATIC 4 rec elec urinal valve 6V battery satin st steel	154
309000	*Urinal outlet M11/4" +seal Ø50/32 (while stock then 776000)	-	430PBOX	TEMPOMATIC 4 recessed elect urinal F1/2" 6V batteries kit 1/2	153
310000	SIPHURINOIR vertical siphon +comp seal Ø50/32 H115 chr brass	172	430PBP	White cover plate battery-op for TEMPOMATIC 4 rec urinal	257
311QU1	Swan neck fountain tap M3/8"	60	430PBS	White cover plate mains for TEMPOMATIC 4 recessed urinal	257
311TR1	Swan neck fountain tap for Rilsan tube 4×6	60	430PIPP	Pol SS cover plate battery-op for TEMPOMATIC 4 rec urinal	257
312QU1	Bubbler tap chromed M3/8" for fountain	60	430PIPS	Pol st steel cover plate mains for TEMPOMATIC 4 rec urinal	257
312TR1	Bubbler tap chromed for Rilsan tube 4×6	60	430PISP	SS satin cover plate battery-op for TEMPOMATIC 4 rec urinal	257
314000	Discontinued	-	430PISS	St steel satin cover plate mains for TEMPOMATIC 4 rec urinal	257
318200	Bubbler/spout flush to wall for partitions L. 200	60	430PVP	Black glass cover plate batt-op for TEMPOMATIC 4 rec urinal	257
318300	Replaced by 318200	-	430PVS	Black glass cover plate mains for TEMPOMATIC 4 rec urinal	257
319T61	Push button for fountain taps for Rilsan tube 4×6	60	430S006	TEMPOMATIC 4 rec elec urinal valve 230/6V satin st steel	154
371100	100 tokens Ø24 5-10 min delay	-	430SBOX	TEMPOMATIC 4 recessed electronic urinal F1/2" 230/6V kit 1/2	153
378015	BINOPTIC basin tap M3/8" mains 230/12V + trans	29	431PBOX	TEMPOMATIC 4 recessed elect urinal M1/2" 6V batteries kit 1/2	-
378015LD	BINOPTIC basin tap M3/8" mains 230/12V 1.5 lpm	-	431SBOX	TEMPOMATIC 4 recessed electronic urinal M1/2" 230/6V kit 1/2	-
37801515	BINOPTIC basin tap Ø15 for comp. fitting 230/12V + trans	29	440000	TEMPOMATIC 4, basin tap F3/8" rec mains 230/6V + stopcock	23
378022	BINOPTIC basin tap M1/2" mains 230/12V + trans	-	44000015	TEMPOMATIC 4 basin tap M1/2" rec mains supply Ø15 +stopcock	23
378MCH	BINOPTIC MIX basin mixer M3/8" mains 230/12V + trans	29	440001	TEMPOMATIC 4, basin tap F3/8" mains plug 230/6V + stopcock	23
378MCHLD	BINOPTIC MIX basin mix M3/8" mains 230/12V 1.5 lpm	-	44000115	TEMPOMATIC 4 basin tap M1/2" rec UK mains plug Ø15 stopcock	23
378MCH15	BINOPTIC MIX basin mixer Ø15 for CF mains 230/12V + trans	29	440001HK	TEMPOMATIC 4 basin tap F3/8" HK mains plug 230/6V +stopcock	23
378MCHLH	BINOPTIC MIX basin mix M3/8" mains 230/12V + trans	-	440006	TEMPOMATIC 4 basin tap F3/8" int. 6V batteries + stopcock	23
379D13	BINOPTIC c-wall 190 basin tap M3/8"spout L135 mains + trans	33	44000615	TEMPOMATIC 4 basin tap M1/2" 6V batteries 15mm + stopcock	23
379D1315	BINOPTIC c-wall 190 basin tap Ø15 for CF spout L135 mains +trans	33	440100	TEMPOMATIC 4, basin tap F3/8" recessed mains supply 230/6V	23
379DER	BINOPTIC c-wall 190 basin tap M3/8"spout L205 mains + trans	33	440100LD	TEMPOMATIC 4 basin tap F3/8" recessed mains 230/6V 1.5 lpm	-
379DER15	BINOPTIC c-w 190 basin tap Ø15 for CF spout L205 mains +trans	33	440101	TEMPOMATIC 4, basin tap F3/8" mains supply plug 230/6V	23
379ECM	BINOPTIC MIX recessed/plate basin mix M3/8" mains + trans	33	440106	TEMPOMATIC 4 basin tap F3/8" integrated 6V batteries	23
379ECML	BINOPTIC MIX rec basin mix M3/8" mains + trans, long lever	33	440106LD	TEMPOMATIC 4 basin tap F3/8" integrated 6V batteries 1.5 lpm	-
379ENC	BINOPTIC rec basin tap M3/8" spout L200 mains + trans	33	441157	TEMPOMATIC cross wall 155 basin tap mains 230/12V spout L170	37
379ENCLD	BINOPTIC recessed basin tap M3/8" spout L200 mains 1.5lpm	-	44115715	TEMPOMATIC Ø15 for CF c-w 155 basin tap 230/12V spout L170	37
379ENC15	BINOPTIC rec basin tap Ø15 for CF spout L200 mains + trans	33	441452B	*Blue disc for multi unit c-wall control Ø26-54(while stock)	-
379MCH	BINOPTIC MIX c-wall 110 basin mix M3/8" mains 230/12V +trans	33	441452CEB	*4m cable for SV 1/2" or 1" for multi unit (while stock)	256
379MCH15	BINOPTIC MIX c-wall 110 basin mix Ø15 for CF mains + trans	33	441452DET	Discontinued	-
379MCHL	BINOPTIC MIX c-wall 110 basin M3/8" mains +trans long lever	-	441452R	*Red disc for multi unit c-wall control Ø26-54 (while stock)	-
379MCHLD	BINOPTIC MIX c-wall 110 basin mix M3/8" 230/12V 1.5 lpm	-	441452TCP	*Cross wall push button control for multi unit (while stock)	-

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
441453	*TEMPOMATIC multi unit 8 way 230/12V (while stock lasts)	-	478015	BINOPTIC basin tap M3/8" 6V battery	29
441453DET	Discontinued	-	47801515	BINOPTIC basin tap Ø15 for compression fitting 6V battery	29
441453TCP	Discontinued	-	478MCH	BINOPTIC MIX basin mixer M3/8" 6V battery	29
442006	TEMPOMATIC 3 basin tap F3/8" 6V int batteries + stopcock	27	478MCH15	BINOPTIC MIX basin mixer Ø15 compression fittings 6V battery	29
44200615	TEMPOMATIC 3 basin tap M1/2" 6V batteries 15mm + stopcock	27	478MCHLH	BINOPTIC MIX basin mixer M3/8" 6V battery, LH	-
442106	TEMPOMATIC 3 basin tap F3/8" 6V integrated 6V batteries	27	479006	TEMPOMATIC 3 wall mtd urinal valve inline M1/2" 6V battery	149
443006	TEMPOMATIC 3 wall mounted basin tap M1/2" 6V batteries L190	27	479007	TEMPOMATIC 3 wall mtd urinal vlv angled M1/2" 6V + tube Ø35	149
443016	TEMPOMATIC 3 basin tap M1/2" 6V batt L 190 for panels 1-4mm	27	479008	TEMPOMATIC 3 urinal valve angled M1/2" 6V battery	149
443400	TEMPOMATIC 4 basin M1/2" wall-m tap 230/6V rec. mains L 130	25	479406	TEMPOMATIC 4 wall mtd urinal vlv M1/2" inline 6V battery	148
443406	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L 125	25	479407	TEMPOMATIC 4 wall urinal ang vlv M1/2" 6V battery +tube Ø35	148
443406LD	TEMPOMATIC 4 wall-mtd tap M1/2" 6V batteries L 125 1.5lpm	-	479408	TEMPOMATIC 4 wall mounted urinal angled vlv M1/2" 6V battery	148
443410	TEMPOMATIC 4 basin M1/2" tap CW 230/6V rec. mains L 130	25	479436	Electronic control unit 6V battery-op for TEMPOMATIC 4 urinal	256
443416	TEMPOMATIC 4 basin M1/2" cross wall tap 6V L 130	25	479446	Electronic control unit 6V battery-op for TEMPOMATIC 3 urinal	256
443426	TEMPOMATIC 4 basin tap M1/2" 6V batteries L 125 panels 1-24mm	25	479452	Solenoid valve 6V with SECURITHERM shower housing support	256
443500	TEMPOMATIC 4 basin M1/2" wall-m tap 230/6V rec. mains L 190	25	479647	Discontinued	-
443500LD	TEMPOMATIC 4 wall-mtd basin tap M1/2" 230/6V L 190 1.5 lpm	-	479648	Replaced by 479748	-
443506	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L190	25	479649	Replaced by 479749	-
443506LD	TEMPOMATIC 4 wall-mtd tap M1/2" 6V batteries L190 1.5lpm	-	479650	Solenoid valve 6V with flow rate adjustor for TEMPOMATIC 4	256
443510	TEMPOMATIC 4 basin M1/2" tap CW 230/6V rec. mains L 190	25	479748	Solenoid valve D2 6V for TEMPOMATIC basins, urinals, showers	256
443516	TEMPOMATIC 4 basin M1/2" cross wall tap 6V L 190	25	479749	Solenoid valve D2 6V for TEMPOMATIC 3	256
443526	TEMPOMATIC 4 tap M1/2" 6V batteries L 190 for panels 1-24mm	25	487449	Electronic control unit 12V for TEMPOMATIC urinals & showers	256
444000	TEMPOMATIC 2 basin tap M3/8" mains 230/12V + transformer	35	487499	Detector for TEMPOMATIC multi urinals	256
44400015	TEMPOMATIC 2 basin tap Ø15 for CF mains 230/12V + transfo	35	487620	TEMPOMATIC recessed multi urinals M3/4" 230/12V +transformer	155
444002	TEMPOMATIC 2 basin tap M1/2" mains 230/12V + transformer	-	488015	BINOPTIC basin M3/8" tap H.170mm operated by 6V batteries	31
444006	TEMPOMATIC 2 basin tap M3/8" 6V battery	34	48801515	BINOPTIC basin Ø15 for CF tap H.170mm 6V battery operated	31
44400615	TEMPOMATIC 2 basin tap Ø15 compression fitting 6V battery	34	488MCHLH	BINOPTIC MIX basin mix M3/8" r H.170mm operated by 6V batteries	31
445000	Replaced by 444000	-	488MCHLH15	BINOPTIC MIX Ø15 for CF mixer H.170mm 6V battery operated	31
44500015	Replaced by 44400015	-	490000	TEMPOMATIC MIX 4, basin mix F3/8"rec mains supply +stopcocks	22
445006	Replaced by 444006	-	49000015	TEMPOMATIC MIX 4 basin M1/2" rec mains supply Ø15 stopcocks	22
44500615	Replaced by 44400615	-	490000LH	TEMPOMATIC MIX 4, basin mix F3/8"rec mains + stopcocks LH	-
445253	TEMPOMATIC PRO basin tap M3/8" 230/12V with swivel spout	36	490001	TEMPOMATIC MIX 4, basin mix F3/8" mains plug + stopcocks	22
44525315	TEMPOMATIC PRO basin tap Ø15 for CF 230/12V with swivel spout	36	49000115	TEMPOMATIC MIX 4 basin M1/2" rec UK mains plug Ø15 stopcocks	22
445257	TEMPOMATIC PRO basin tap M3/8" 6V batt. with swivel spout	36	490001LH	TEMPOMATIC MIX 4, basin mix F3/8" mains plug +stopcocks LH	-
44525715	TEMPOMATIC PRO basin tap Ø15 for CF 6V batt. with swivel spout	36	490006	TEMPOMATIC MIX 4 basin mixer F3/8" 6V batteries + stopcocks	22
447100	TEMPOMATIC basin tap M1/2" 230/12V for panel 1-12mm no spout	-	49000615	TEMPOMATIC MIX 4 basin mix M1/2" batteries 15mm + stopcocks	22
447500	TEMPOMATIC rec basin tap /st steel plate 230/12V spout L 170	37	490006LH	TEMPOMATIC MIX 4 basin mix F3/8" 6V batteries +stopcocks LH	-
452150	TEMPOMATIC cross wall 150mm shower valve M1/2" mains 230/12V	97	490100	TEMPOMATIC MIX 4, basin mixer F3/8" rec mains supply 230/6V	22
452159	TEMPOMATIC c.w. 150mm sh.valve M1/2" 230/12V +ROUND sh. head	97	490100LD	TEMPOMATIC MIX 4 basin mixer F3/8" rec mains 230/6V 1.5 lpm	-
452300	TEMPOMATIC aluminium shower panel 6V battery-op top inlet	71	490100LH	TEMPOMATIC MIX 4, basin mix F3/8"rec mains supply 230/6V LH	-
452310	TEMPOMATIC aluminium shower panel 6V battery-op back inlet	71	490101	TEMPOMATIC MIX 4, basin mixer F3/8" mains plug 230/6V	22
452565	TEMPOMATIC recessed shower valve M1/2" mains 230/12V	97	490101LH	TEMPOMATIC MIX 4, basin mixer F3/8" mains plug 230/6V, LH	-
452569	TEMPOMATIC recessed sh. valve M1/2" 230/12V + ROUND sh. head	97	490106	TEMPOMATIC MIX 4 basin mixer F3/8" with int 6V batteries	22
461032	Cartridge and solenoid valve for dual control TEMPOMATIC WC	256	490106LD	TEMPOMATIC MIX 4 basin mixer F3/8" int. 6V batteries 1.5 lpm	-
461034	Solenoid valve MM 1" 12V for TEMPOMATIC WC 463326	256	490106LH	TEMPOMATIC MIX 4 basin mixer F3/8" int 6V batteries + LH	-
461035	Solenoid valve MM 1" 12V for TEMPOMATIC WC + urinal	256	490220	Replaced by 490240	-
463000	Electronic multi unit 230/12V for TEMPOMATIC WC + trans	256	490230	Replaced by 490241	-
463030	TEMPOMATIC WC cross wall 30mm valve 1" mains 230/12V	191	490230EXT	Electrical extension for TEMPOMATIC 4 basin	256
463030HK	TEMPOMATIC WC cross wall 30mm valve 1" mains 230/12V for HK	191	490240	Recessed 6V supply for TEMPOMATIC 4 basin from Feb 2016	256
463150	TEMPOMATIC WC cross wall 160mm valve 1" mains 230/12V	191	490241	6V eu. electrical plug for TEMPOMATIC 4 basin from Feb 2016	256
463150HK	TEMPOMATIC WC cross wall 160mm valve 1" mains 230/12V for HK	191	490241UK	6V british electrical plug for TEMPOMATIC 4 basin	256
463200	TEMPOMATIC WC cross wall 225mm valve 1" mains 230/12V	191	490440	Replaced by 490450	-
463200HK	TEMPOMATIC WC cross wall 225mm valve 1" mains 230/12V for HK	191	490446	Electronic control unit 6V battery operated for TEMPOMATIC 4	256
463326	TEMPOMATIC WC recessed valve 1" st steel plate mains 230/12V	191	490450	Electronic unit for TEMPOMATIC 4 mains supply from Feb 2016	256
463399	Detector for TEMPOMATIC WC with 4m cable	256	492006	TEMPOMATIC MIX 3 basin mix F3/8" int 6V batteries +stopcocks	26
463547	TEMPOMATIC WC recessed valve 1"/plate mains 230/12V for HK	191	49200615	TEMPOMATIC MIX 3 basin mix M1/2" 6V batteries Ø15 +stopcocks	26
463SRH	Solenoid valve + stopcock F1" + vacuum breaker Ø32 for WC	256	492006LH	TEMPOMATIC MIX 3 basin mix F3/8" 6V batteries + stopcocks LH	-
464000	TEMPOMATIC WC dual control recessed st steel 230/6V kit 2/2	189	492106	TEMPOMATIC MIX 3 basin mixer F3/8" int 6V batteries	26
464006	TEMPOMATIC WC dual control recessed st steel 6V bat. kit 2/2	189	492106LD	TEMPOMATIC MIX 3 basin mixer F3/8" int 6V batteries 1.5 lpm	-
464PBOX	TEMPOMATIC WC 3/4" rec dual ctrl vlv 6V bat kit 1/2 (+464006)	189	492106LH	TEMPOMATIC MIX 3 basin mixer F3/8" int 6V batteries LH	-
464PISP	Satin SS plate - batteries for TEMPOMATIC WC rec dual control	257	492446	Electronic control unit for TEMPOMATIC 3 integ 6V battery	256
464PISS	Satin SS plate - mains supply for TEMPOMATIC WC rec dual ctrl	257	492646	Replaced by 479749	-
464SBOX	TEMPOMATIC WC 3/4" dual control rec 230/6V kit 1/2 (+464000)	189	492647	Solenoid valve M for TEMPOMATIC 3 urinal	-
477000	TEMPOMATIC exposed urinal M1/2" inline inlet mains 230/12V	149	493400	TEMPOMATIC MIX 4 basin M1/2" wall-m mix 230/6V rec mains L 160	25
478000	*TEMPOMATIC exp urinl M1/2" ang 230/12V(whl stk then 479406)	-	493406	TEMPOMATIC MIX 4 basin M1/2" wall-m mixer 6V batteries L 160	25

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
493410	TEMPOMATIC MIX 4 basin F3/8" mixer CW 230/6V rec mains L.130	25	547005	TEMPOFIX 3 frame elec WC 26-130mm Ø100 kit 1/2 (+546412)	217
493416	TEMPOMATIC MIX 4 basin F3/8" mix c-wall 6V batteries L.130	25	547005BE	TEMPOFIX 3 frame electronic WC kit 1/2 26-130mm Ø90 (+546412)	-
493500	TEMPOMATIC MIX 4 basin M1/2" wall-m mix 230/6V rec mains L.220	25	547005DE	TEMPOFIX 3 frame elec WC kit 1/2 26-130mm Ø110 (+546412)	-
493506	TEMPOMATIC MIX 4 basin M1/2" wall-m mixer 6V batteries L.220	25	564000	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø100 wall fix kit1/2	216
493506LD	TEMPOMATIC MIX 4 basin mix M1/2" wall-mtd 6V bat L.220 1.5lpm	-	564000BE	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø90 wall fix kit1/2	-
493510	TEMPOMATIC MIX 4 basin F3/8" mixer CW 230/6V rec mains L.190	25	564000DE	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø110 wall fix kit1/2	-
493516	TEMPOMATIC MIX 4 basin F3/8" mix c-wall 6V batteries L.190	25	564005	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø100 self-suppl kit1/2	216
494000	TEMPOMATIC MIX 2 basin mix M3/8" mains 230/12V + transformer	35	564005BE	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø90 self-suppl kit1/2	-
494000LD	TEMPOMATIC MIX 2 basin mixer M3/8" mains 230/12V 1.5 lpm	-	564005DE	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø110 self-suppl kit1/2	-
49400015	TEMPOMATIC MIX 2 basin mix Ø15 for CF mains 230/12V + trans	35	564060	TEMPOFIX 3 fr sys WC time flow or bat Ø100 wall fix kit1/2	216
494000LH	TEMPOMATIC MIX 2 basin mixer M3/8" 230/12V + LH lever	-	564060BE	TEMPOFIX 3 fr sys WC time flow or bat Ø90 wall fix kit1/2	-
494006	TEMPOMATIC MIX 2 basin mixer M3/8" 6V battery	34	564060DE	TEMPOFIX 3 fr sys WC time flow or bat Ø110 wall fix kit1/2	-
49400615	TEMPOMATIC MIX 2 basin mixer Ø15 comp. fitt. 6V battery	34	564065	TEMPOFIX 3 fr sys WC time flow or bat Ø100 self-suppl kit1/2	216
494006LH	TEMPOMATIC MIX 2 basin mixer M3/8" 6V battery + LH lever	-	564065BE	TEMPOFIX 3 fr sys WC time flow or bat Ø90 self-suppl kit1/2	-
495000	Replaced by 494000	-	564065DE	TEMPOFIX 3 fr sys WC time flow or bat Ø110 self-suppl kit1/2	-
49500015	Replaced by 49400015	-	576211	Replaced by 578300DE	-
495006	Replaced by 494006	-	576212	Replaced by 5783212	-
49500615	Replaced by 49400615	-	576222	Replaced by 578222	-
495009	TEMPOMATIC detector with cable L0.10m	-	576227	Replaced by 578400DE	-
495070	TEMPOMATIC detector with cable L0.7m	256	576258	Replaced by 578300DE + 578230	-
495149	TEMPOMATIC detector with cable L.1.50m	256	576900	Discontinued	-
495253	TEMPOMATIC MIX PRO basin mix M3/8" 230/12V with swivel spout	36	576910	Discontinued	-
49525315	TEMPOMATIC MIX PRO basin mix Ø15 for CF 230/12V swivel spout	36	576MUR	Discontinued	-
495257	TEMPOMATIC MIX PRO basin mix M3/8" 6V batt. with swivel spout	36	578090	PEHD sleeve connector 100/90	224
49525715	TEMPOMATIC MIX PRO basin mix Ø15 for CF 6V batt. swivel spout	36	578100	ABS sleeve connector 100/100	224
495444BC	Standard electronic control unit 230/12V with duty flush	256	578110	PEHD sleeve connector 100/110	224
495445BC	Multifunction elect control unit 230/12V for TEMPOMATIC	256	578212	TEMPOFIX 3 WC frame 6L single flush kit 2/2	222
495446BC	Electronic control unit 6V battery operated for TEMPOMATIC	256	578222	TEMPOFIX 3 WC frame 3L/6L dual flush kit 2/2	222
495499	TEMPOMATIC detector with cable L5m	256	578230	TEMPOFIX 3 WC frame 70-130mm dual flush kit 2/2	223
495606	Solenoid vlv M3/8" 6V + filter for TEMPOMATIC, BINOPTIC basin	256	578300	TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø100 wall fix kit 1/2	222
495612	Solenoid valve M3/8" 12V with filter for TEMPOMATIC basin	256	578300BE	TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø90 wall fix kit 1/2	-
495612CEB	Solenoid valve 3/8" + cable L.4m for multifunction unit	-	578300DE	TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø110 wall fix kit 1/2	-
495615	Solenoid valve M1/2" 6V +filter for TEMPOMATIC shower+urinal	256	578305	TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø100 free-stand kit 1/2	222
495626	Solenoid vlv M1/2" 12V + filter for TEMPOMATIC basin/urinal	256	578305BE	TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø90 free-stand kit 1/2	-
495626CEB	Solenoid valve 1/2" + cable L.4m for multifunction unit	256	578305DE	TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø110 free-stand kit 1/2	-
495646	Solenoid vlv M1/2" 6V with filter for TEMPOMATIC and BINOPTIC	256	578400	TEMPOFIX 3 WC frame 30-60mm Ø100 wall fix kit 1/2	223
498015	BINOPTIC basin M3/8" tap H.250mm operated by 6V batteries	31	578400BE	TEMPOFIX 3 WC frame 30-60mm Ø90 wall fix kit 1/2	-
49801515	BINOPTIC basin Ø15 for CF tap H.250mm 6V battery operated	31	578400DE	TEMPOFIX 3 WC frame 30-60mm Ø110 wall fix kit 1/2	-
498MCHLH	BINOPTIC MIX basin M3/8" mixer H.250mm operated by 6V batteries	31	578405	TEMPOFIX 3 WC frame 30-60mm Ø100 free-standing kit 1/2	223
498MCHLH15	BINOPTIC MIX Ø15 for CF mixer H.250mm 6V battery operated	31	578405BE	TEMPOFIX 3 WC frame 30-60mm Ø90 free-standing kit 1/2	-
510580	Liquid soap dispenser 1L polished 304 stainless steel	63	578405DE	TEMPOFIX 3 WC frame 30-60mm Ø110 free-standing kit 1/2	-
510581	Liquid soap dispenser 1L white powder-coated 304 st. steel	63	578MUR	Wall reinforcements for TEMPOFIX 3 frame system	224
510582	Liquid soap dispenser 1L 304 stainless steel satin finish	63	578PMR	TEMPOFIX 3 connection kit, L. 580mm for PMR WC bowl	224
512066P	Electronic liquid soap dispenser 1L bright pol 304 st steel	63	580000	Urinal waste Ø63 1 1/4" vand-resist st steel grid ctrl screw	173
512066S	Electronic liquid soap dispenser 1L pol satin 304 st steel	63	581000	On/Off washbasin waste 1 1/4" stainless steel valve	62
512066W	Electronic liquid soap dispenser 1L white powder-ctd 304 st st	63	60212.10P	10 × Integrated flat filter 0.5 for nut 1/2"	255
517000	Siphon F1 1/4" w. horizontal outlet Ø32 chrome plated brass	172	60220.10P	10 × Flat filter 0.6 for nut F1/2"	-
538300	Replaced by 538400	-	60221.10P	10 × Flat filter 0.6 for nut F3/4"	-
538350	Replaced by 538450	-	60234.10P	10 × Integrated flat filter 0.5 for nut 3/4"	255
538400	*TEMPOFIX 3 urnl frm Ø35 10-38mm(while stk then 543006+778700)	-	60300.10P	10 × Flat filter in stainless steel 0.3 for nut 3/8"	255
538400D	*TEMPOFIX 3 urnl frm 1/2" 10-38(while stk then 543006D+778700)	-	60438.10P	10 × Integrated conical filter 0.5 for nut 3/8"	255
538450	*TEMPOFIX 3 urnl frm Ø35 40-130(while stk then 543006+778700)	-	611	HYGIÉNA waste 1 1/4" concave grid, adaptable slotted lantern	62
538450D	*TEMPOFIX 3 urnl frm 1/2 40-130(while stk then 543006D+778700)	-	6110	HYGIÉNA waste, concave grid, pre-scored snap-off for st. st.	-
542910	Replaced by 543000 + 430000	-	64000	Wall mounted shower head M1/2" with 5 ring spray grid	121
543000	TEMPOFIX 3 frame elect mains 230/6V for urinals Ø35 kit 1/2	211	64015	Discontinued	-
543000D	TEMPOFIX 3 frame elect mains 230/6V for urinals 1/2" kit 1/2	211	64200	Discontinued	-
543006	TEMPOFIX 3 fr sys time flow or bat for urinals Ø35 kit 1/2	211	682001	Floor trap 100×100 hard floors adj H integrated outlet Ø40	119
543006D	TEMPOFIX 3 fr sys time flow or bat for urinals 1/2" kit 1/2	211	682001UK	Floor trap 100×100 hard floors adj H horiz elbow outlet Ø43	119
543100	TEMPOFIX 3 frame elect mains 12V for urinals Ø35 kit 1/2	212	683001	Floor trap 150×150 hard floors adj H integrated outlet Ø40	119
546400	Replaced by 547000DE + 546412	-	683001UK	Floor trap 150×150 hard floors adj H horiz elbow outlet Ø43	119
546412	TEMPOFIX 3 frame elec WC SS plate kit 2/2 (+547000DE/547005DE)	217	683002	Floor trap st steel grid Ø114 vinyl floors integ. outlet Ø40	119
547000	TEMPOFIX 3 frame elec WC 26-130mm wall Ø100 kit 1/2 (+546412)	217	683002UK	Floor trap st steel grid Ø114 vinyl floors elbow outlet Ø43	119
547000BE	TEMPOFIX 3 frame elec WC kit 1/2 26-130mm wall Ø90 (+546412)	-	684000	Floor trap with grid 140×140 - vertical outlet Ø40	119
547000DE	TEMPOFIX 3 frame elec WC kit 1/2 26-130mm wall Ø110 (+546412)	-	700000	TEMPOMIX 2 basin mixer F3/8" ~7sec time flow with stopcocks	55

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
70000015	TEMPOMIX 2 basin mixer M1/2" ~7sec Ø15 comp fit +stopcocks	55	730802.2P	2 × Angled isolating ball valve for PREMIX 3/4"	137
700000LH	TEMPOMIX 2 basin mixer F3/8" ~7sec time flow + stopcocks, LH	-	730803.2P	2 × Angled isolating ball valve for PREMIX 1"	137
700001	TEMPOMIX 2 AB basin mixer F3/8" ~7sec time flow + stopcocks	55	730804.2P	2 × Angled isolating ball valves for PREMIX 1 1/4"	137
70000115	TEMPOMIX 2 AB basin mix M1/2"~7sec Ø15 comp fit +stopcocks	55	731002	PREMIX COMFORT 55 group thermostatic mixer M3/4" 55lpm	139
700001LH	TEMPOMIX 2 AB basin mix F3/8" ~7sec time flow +stopcocks, LH	-	731003	PREMIX COMFORT 90 group thermostatic mixer M1" 90lpm	139
700100	TEMPOMIX 2 basin mixer F3/8" ~7sec time flow	55	731004	PREMIX COMFORT 140 group thermostatic mixer M1 1/4" 140lpm	139
700100LH	TEMPOMIX 2 basin mixer F3/8" ~7sec time flow, LH	-	731005	PREMIX COMFORT 190 group thermostatic mixer M1 1/2" 190lpm	139
700101	TEMPOMIX 2 AB basin mixer F3/8" time flow ~7sec time flow	55	731052	PREMIX SECURITY 55 group thermostatic mixer M3/4" 55lpm	137
700101LH	TEMPOMIX 2 AB basin mix F3/8" time flow ~7sec time flow, LH	-	731053	PREMIX SECURITY 90 group thermostatic mixer M1" 90lpm	137
700102	TEMPOMIX 2 AB basin mixer F3/8" time flow ~15sec time flow	-	731054	PREMIX SECURITY 140 group thermostatic mixer M1 1/4" 140lpm	137
700400	TEMPOMIX 2 lever operated basin mixer F3/8" ~7sec +stopcocks	55	731055	PREMIX SECURITY 190 group thermostatic mixer M1 1/2" 190lpm	137
70040015	TEMPOMIX 2 basin mixer M1/2" lever ~7sec Ø15 + stopcocks	55	731200	PREMIX COMFORT T2 group thermostatic mixer M3/4" 55lpm	139
700400LH	TEMPOMIX 2 lever op basin mix F3/8" ~7sec + stopcocks LH	-	731300	PREMIX COMFORT T3 group thermostatic mixer M1" 90lpm	139
700500	TEMPOMIX 2 lever operated basin mixer F3/8" ~7sec time flow	55	731400	PREMIX COMFORT T4 group thermostatic mixer M1 1/4" 140lpm	139
700500LH	TEMPOMIX 2 lever operated basin mixer F3/8" ~7sec flow + LH	-	731500	PREMIX COMFORT T5 group thermostatic mixer M1 1/2" 190lpm	139
700BJ	Flow straightener in Hostaform® for TEMPOSTOP 2 & TEMPOMIX 2	255	732012	PREMIX NANO thermostatic mixer FM3/8" nickel body	141
702000	TEMPOSTOP 2 basin tap M1/2" ~7sec time flow	55	732016	PREMIX NANO thermostatic mixer FM3/8" chromed body	141
702032	Water nozzle for tube Ø32 for squat WC	203	732115	PREMIX NANO thermostatic mixer Ø15mm nickel body	141
702301	TEMPOSTOP 2 AB basin tap M1/2" ~7sec time flow	55	732116	PREMIX NANO thermostatic mixer Ø15mm chromed body	141
702351	Replaced by 702301	-	732216	PREMIX NANO thermostatic mixer 3/8" chromed body	141
702400	TEMPOSTOP 2 lever operated basin tap M1/2" ~7sec time flow	55	732230	PREMIX NANO tmv 3/8" chrome-plated + union kit PEX L300	141
702451	Replaced by 702400	-	732515	Connection kit PEX L300 for PREMIX NANO 732216	254
705000	Connection washer Ø32/55 with clamp for WC	203	733015	PREMIX COMPACT thermostatic mixer M1/2" rough cast body	141
705028	Connection washer Ø28/55 with clamp for WC	203	733016	PREMIX COMPACT thermostatic mixer M1/2" chromed body	141
709000	Recessed vandal proof ROUND shower head M1/2"	120	733020	PREMIX COMPACT thermostatic mixer M3/4" rough cast body	141
709000CF	Recessed vandal proof ROUND shower head M1/2", 10 lpm	-	733021	PREMIX COMPACT thermostatic mixer M3/4" polished chrome body	141
709010	Vandal proof ROUND shower head M1/2" for panels 1-15mm	120	734100	TEMPOGENOU angled MM1/2" lever L350 ~7sec	58
709010CF	Vandalproof ROUND shower head M1/2", panels 1-15mm, 10 lpm	-	735000	TEMPOGENOU inline MM1/2" stud nut lever L350 ~7sec	-
709010GR	ROUND shower head M1/2" with grid for panels 1-15mm	-	735400	TEMPOGENOU inline MM1/2" lever L350 ~7sec	58
709150	Vandal proof ROUND shower head M1/2" for walls 180mm	120	735447	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp. fittings	-
709150GR	ROUND shower head M1/2" with grid for walls 180mm	-	73544715	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp fit + olives	58
709200	Vandal proof ROUND shower head M1/2" for walls 230mm	120	736001	MONOFOOT floor mounted pedal operated valve MM1/2" stud nut	58
710000	Wall mounted shower arm MM1/2" L95 for shower head F1/2"	121	736101	MONOFOOT floor mounted pedal operated vlv MM1/2" without nut	58
710500	Wall mounted soap dish Bayblend® chrome plated matt	88	736102	MONOFOOT wall mounted pedal operated vlv MM1/2" without nut	58
710501	Wall mounted soap dish Bayblend® chrome plated bright	88	739000	MIXFOOT floor mounted pedal operated mixer MM1/2" stud nut	58
711000	GYM COMFORT adjustable scale proof shower head F1/2" Ø45	121	739100	MIXFOOT floor mounted pedal operated mixer MM1/2" w-out nut	58
711002	GYM COMFORT EXTRA adj scale proof shower head F1/2" Ø68	121	739102	MIXFOOT wall mounted pedal operated mixer MM1/2" without nut	58
712000	TONIC JET vandal proof recessed shower head M1/2"	120	740000	TEMPOSOFT basin tap M1/2" ~7sec time flow	51
712000CF	TONIC JET vandal proof recessed shower head M1/2, 10 lpm	-	740300	TEMPOSOFT 2 basin tap M1/2" ~7sec time flow reinforced fixing	52
712000GR	TONIC JET vandal proof recessed shower head M1/2"	-	740500	TEMPOSOFT 2 basin tap M1/2" ~7sec time flow	52
712010	TONIC JET vandal proof shower head M1/2" for panels 1-10mm	120	741000	TEMPOSOFT wall mounted basin tap M1/2" L80 ~7sec time flow	51
712020	TONIC JET vandal proof exposed shower head F3/4" +column Ø16	120	741500	TEMPOSOFT 2 wall mtd basin tap M1/2" L110 ~7sec time flow	53
712150	TONIC JET vandal proof cross wall 180mm shower head M1/2"	120	741515	TEMPOSOFT 2 wall mtd basin tap M1/2" L110 ~15sec time flow	-
712150GR	TONIC JET vandal proof c-wall 150mm shower head M1/2" + grid	-	741550	TEMPOSOFT 2 wall mtd basin tap M1/2" L150 ~7sec time flow	53
712200	TONIC JET vandal proof cross wall 230mm shower head M1/2"	120	741565	TEMPOSOFT 2 wall mtd basin tap M1/2" L150 ~15sec time flow	-
712450	TONIC JET vandal proof shower head F1/2"	-	741942	Replaced by 741943	-
713000	Discontinued	-	741943	TEMPOSTOP AB cross wall 200 basin tap M1/2" ~7sec time flow	57
714000	SPORTING exposed shower kit M1/2" ~30sec time flow valve	118	741945	TEMPOSTOP AB c-wall 147 basin kit M1/2" ~7sec 2 ctrl spt L75	231
714002	SPORTING wall mtd rec sh kit M1/2" ~30sec time flow valve	118	742000	TEMPOSOFT MIX basin mixer F3/8" ~7sec time flow + stopcocks	50
714700	SPORTING 2 anodised alu sh panel M1/2" ~30sec time flow valve	93	74200015	TEMPOSOFT MIX mixer M1/2" ~7sec comp fit Ø15 + stopcocks	50
714700CMA	SPORTING alu sh panel M1/2" anodised ~30sec no flow limiter	-	742000LH	TEMPOSOFT MIX basin mix F3/8" ~7sec time flow +stopcocks, LH	-
714700GR	SPORTING 2 anodised alu sh panel M1/2" ~30sec GR shower head	93	742100	TEMPOSOFT MIX basin mixer F3/8" ~7sec time flow	50
714701	Replaced by 714700	-	742100LH	TEMPOSOFT MIX basin mixer F3/8" ~7sec time flow, LH	-
714764	Starter for SPORTING shower	253	742500	TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec flow with stopcocks	52
714765	Starter for SPORTING shower panel	253	74250015	TEMPOSOFT MIX 2 mixer M1/2" ~7sec comp fit Ø15 + stopcocks	52
715000	Ceiling mounted shower head F1/2" with chromed rim Ø80	121	742500LH	TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec with stopcocks + LH	-
716000	Ceiling mounted GYM vandal proof shower head F1/2" fixed	120	742510	TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec time flow	52
729008	Soap dispenser straight spout 1L bottle, chromed brass	63	742510LH	TEMPOSOFT MIX 2 basin mixer F3/8" ~7sec time flow + LH	-
729012	Soap dispenser curved spout 1L bottle, chromed brass	63	742520	TEMPOSOFT MIX 2 basin mixer F3/8" ~15sec time flow	-
729108	Soap dispenser straight spout, tube L1200, chromed brass	63	743003	TEMPOSTOP 1/2" cartridge ~3sec time flow	254
729112	Soap dispenser curved spout, tube L1200, chromed brass	63	743005	TEMPOSTOP basin/urinal cartridge ~7sec time flow	252
729150	Wall mounted soap dispenser cross wall 180, chromed	63	743010	TEMPOSTOP basin/shower cartridge ~15sec time flow	252
729508	Soap dispenser straight spout 0.5L bottle, chromed brass	63	743080	TEMPOSTOP basin cartridge with disk push button ~7sec flow	-
729512	Soap dispenser curved spout 0.5L bottle, chromed brass	63	743103	TEMPOSTOP recessed urinal cartridge ~3sec time flow	-

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REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
743105	TEMPOSTOP AB cartridge basin/urinal ~7sec time flow	252	745300	TEMPOSTOP basin tap M1/2" ~7sec time flow reinforced fixing	56
743107	TEMPOSTOP recessed urinal cartridge ~7sec time flow	-	745301	TEMPOSTOP AB basin tap M1/2" ~7sec back nut with 3 screws	56
743110	TEMPOSTOP recessed shower cartridge ~15sec time flow	-	745351	Replaced by 745301	-
743115	TEMPOSTOP AB basin cartridge ~15sec time flow	252	745440	TEMPOSTOP lever operated basin tap M1/2" ~7sec	56
743205	TEMPOSTOP AB cross wall/lever basin cartridge ~7 sec	252	745450	Replaced by 745440	-
743215	TEMPOSTOP AB cross wall/lever basin/shower cartridge ~15sec	253	745460	TEMPOSTOP lever operated basin tap M1/2" ~15sec	-
743303	TEMPOSTOP urinal cartridge ~3sec time flow	-	746000	TEMPOSTOP wall mounted basin tap M1/2" ~7sec	57
743305	TEMPOSTOP cross wall/lever basin/urinal cartridge ~7sec	252	746001	TEMPOSTOP AB wall mounted basin tap M1/2" ~7sec time flow	57
743310	TEMPOSTOP cross wall/lever basin/shower cartridge ~15sec	253	746015	TEMPOSTOP wall mounted basin tap M1/2" ~15sec	-
743323	TEMPOSTOP cross wall/lever urinal cartridge ~3sec time flow	252	746292	TEMPOSTOP wall mtd basin tap M1/2" ~7sec with wall plate	57
743428	TEMPOSTOP recessed shower cartridge ~30sec time flow	253	746410	TEMPOSTOP wall mounted lever operated basin tap M1/2" ~7sec	57
743507	TEMPOFLUX WC rec flush valve cartridge ~7sec time flow	-	747000	TEMPOSTOP exposed shower valve M1/2" inline ~15sec time flow	117
743528	TEMPOSTOP recessed urinal cartridge ~7sec time flow	254	747004	TEMPOSTOP chain pull shower valve M1/2" 15sec + GYM COMFORT	117
743605	TEMPOCHASSE 1 1/4" rec/cross wall cartridge ~7sec time flow	254	747006	TEMPOSTOP chain pull shower valve M1/2" 15sec + GYM	117
743622	TEMPOFLUX 2 WC 3/4" recessed cartridge/frame 10-35mm ~7sec	254	747080	TEMPOSTOP exposed shower valve M1/2" disk push button ~7sec	-
743623	TEMPOFLUX 2 WC 3/4" cross wall flush vlv cartridge ~7sec time flow	254	747114	TEMPOSTOP basin tap M1/2" inline ~3sec compression fittings	-
743641	TEMPOSTOP 3/4" recessed shower cartridge ~30sec time flow	-	747121	TEMPOSTOP rec/c-wall basin/shower rough tap M1/2" ~15sec	-
743642	TEMPOSTOP 3/4" c-wall/rec shower cartridge ~30sec time flow	253	747122	TEMPOSTOP AB rec/c-shower valve rough M1/2" ~15sec	-
743643	TEMPOSTOP 3/4" c-wall/rec urinal cartridge ~7sec time flow	-	747214	TEMPOSTOP AB c-wall 200 shower valve kit M1/2" ~15sec ROUND	116
743644	TEMPOSTOP 3/4" recessed shower cartridge ~30sec time flow	253	747500	TEMPOSTOP chain pull shower valve MM1/2" ~15sec time flow	-
743645	TEMPOSTOP 3/4" recessed urinal cartridge ~7sec time flow	254	747800	TEMPOSOFT 2 wall mtd exp shower valve M1/2" inline ~30 sec	113
743677	TEMPOFLUX 2 WC 3/4" recessed/frame 30-60mm cartridge ~7sec	254	747801	TEMPOSOFT 2 exp shower kit M1/2" ~30 sec valve + TONIC JET	112
743700	TEMPOSTOP 3/4" exposed shower cartridge ~30sec time flow	253	747942	Discontinued	-
743702	Discontinued	-	747952	TEMPOSTOP rec/c-wall basin/sh valve M1/2" ~15sec comp fitting	-
743705	TEMPOCHASSE 1 1/4" lever operated cartridge ~7sec time flow	254	74795215	*TEMPOSTOP rec basin/sh vlv Ø15 ~15sec +olives (while stk)	-
743707	TEMPOSTOP 3/4"siphon action urinal cart ~7sec time flow	254	748000	TEMPOSTOP exposed shower valve M1/2" angled ~15sec time flow	117
743714	SPORTING wall mounted shower cartridge ~30sec time flow	253	748126	TEMPOSTOP angled basin tap M1/2" rough cast ~7sec + bk nuts	60
743715	SPORTING shower panel cartridge ~30sec time flow	253	748130	TEMPOSTOP angled basin tap M1/2" rough cast ~15sec + bk nuts	-
743732	Maintenance kit for PREMIX NANO	254	748150	TEMPOSTOP wall mounted basin tap M1/2" ~15sec swivel spout	57
743741	TEMPOSOFT urinal cartridge ~7sec time flow	-	748151	TEMPOSTOP AB wall mtd basin M1/2" tap ~15sec swivel spout	57
743742	TEMPOSOFT basin cartridge ~15sec time flow	252	748626	TEMPOSTOP wall mtd basin tap M1/2" ang rough body ~7sec flow	60
743743	TEMPOSOFT shower cartridge ~30 sec time flow	253	748630	TEMPOSTOP wall mtd basin tap M1/2" ang rough body ~15sec flow	-
743743CF	TEMPOSOFT shower cartridge time flow ~30sec full flow	-	748800	TEMPOSOFT 2 exposed shower valve M1/2" angled ~30 sec flow	113
743744	TEMPOSOFT urinal cartridge ~3sec time flow	254	749000	TEMPOSTOP exposed shower valve M3/4" 75 lpm ~30sec time flow	117
743747	TEMPOSOFT basin cartridge ~7sec time flow	252	749001	TEMPOSTOP exp shower vlv kit M3/4" inline ~30sec + TONIC JET	116
743749	TEMPOSTOP 3/4" exposed shower cartridge ~30sec time flow	253	749002	TEMPOSTOP exp shower kit M1/2" comp fitting + TONIC JET	116
743761	TEMPOFLUX WC 3/4" exp. flush vlv cartridge ~7sec time flow	254	749101	Discontinued	-
743762	TEMPOFLUX WC 3/4" rec flush vlv cartridge ~7sec time flow	254	749128	TEMPOSTOP rec shower valve F1/2" st steel Ø130 plate ~30sec	115
743763	TEMPOFLUX WC 3/4" c-wall flush vlv cartridge ~7sec time flow	254	749146	TEMPOSTOP rec/c-wall shower valve M1/2" ~30sec comp fitting	-
743764	Cartridge for TEMPOFLUX 3 exposed AB, dual flush 3L/6L	254	749159	TEMPOSTOP c-wall 150 shower valve kit M1/2" ~30sec + ROUND	116
743765	Recessed TEMPOFLUX 3 cartridge, dual flush 3L/6L	254	749201	Replaced by 749300	-
743778	TEMPOFLUX exposed urinal cartridge 3sec time flow	254	749218	TEMPOSTOP recessed shower valve waterproof Kit 2/2 (+749BOX)	114
743779	TEMPOSTOP 3/4" WC cartridge ~7sec time flow	254	749218CXL	TEMPOSTOP recessed shower waterproof CXL Kit2/2 (+749BOX)	114
743786	TEMPOMIX wall mounted basin cartridge ~7 sec (after 02/2018)	252	749239	TEMPOSTOP recessed shower waterproof Kit2/2 ROUND (+749BOX)	114
743789	TEMPOMIX shower cartridge ~30sec time flow (after 10/2017)	253	749300	TEMPOSOFT aluminium shower panel top inlet valve ~30sec	86
743790	TEMPOMIX shower cartridge ~30sec time flow (before 10/2017)	253	749350	TEMPOSOFT aluminium shower panel top inlet +handset ~30sec	86
743791	TEMPOMIX basin cartridge, time flow ~7 sec (after 07/2017)	252	749428	TEMPOSOFT 2 rec shower valve M1/2" ~30 sec + wall plate Ø130	113
743793	TEMPOMIX 3 wall-mounted basin cartridge, time flow ~7	252	749429	TEMPOSOFT 2 recessed shower kit M1/2" ~30 sec valve + ROUND	112
743794	TEMPOMIX 3 basin cartridge ~7sec time flow	252	749628	TEMPOSTOP recessed shower valve F1/2" ~30sec st steel plate	115
743795	TEMPOMIX basin cartridge ~7 sec time flow (before 07/2017)	252	749700	TEMPOSTOP exposed shower valve M3/4" 12 lpm ~30sec time flow	117
743796	TEMPOMIX wall mounted basin cartridge ~7 sec (before 02/2018)	252	749715	TEMPOSTOP exposed shower valve F1/2" ~30sec time flow	-
743797	TEMPOMIX recessed shower cartridge ~30sec (before 09/2017)	253	749725	*TEMPOSTOP exp shower vlv Ø15 ~30sec(while stk thn 74972515)	-
743798	TEMPOMIX cross wall basin cartridge ~7 sec (before 09/2017)	252	74972515	TEMPOSTOP exposed shower valve Ø15 time flow ~30sec + olives	117
743799	TEMPOMIX 3 shower cartridge time flow ~30 sec	253	749770	TEMPOSTOP shower valve M3/4" for panels ~30sec + wall plate	115
743902	TEMPOSTOP 2 / TEMPOMIX 2 basin cartridge ~15sec time flow	-	749870	TEMPOSOFT 2 sh valve M1/2" for panels 7mm ~30 sec time flow	113
743907	TEMPOSTOP 2 / TEMPOMIX 2 basin cartridge ~7sec time flow	252	749925	TEMPOSTOP recessed shower valve M1/2" 30sec comp fittings	-
743908	TEMPOSTOP 2 / TEMPOMIX 2 AB basin cartridge ~7 sec time flow	252	749BOX	TEMPOSTOP rec shower waterproof Kit1/2 (+749218/239/232)	114
743915	TEMPOSTOP 2 / TEMPOMIX 2 AB basin cartridge ~15sec time flow	-	750000	*Urinal neck tube F1/2" for ALLIA Nogent +nozzle (while stk)	-
744000	TEMPOSTOP wall mounted basin tap M3/8" ~7sec time flow	57	751000	Urinal neck tube F1/2" for ALLIA /SELLES + water nozzle	170
744001	TEMPOSTOP AB wall mounted basin tap M3/8" ~7sec time flow	57	751752	Discontinued	-
745100	TEMPOSTOP basin tap M1/2" ~7sec time flow + back nut	56	751753	Urinal neck tube F1/2" for VB Losange 7530 + water nozzle	171
745101	TEMPOSTOP AB basin tap M1/2" ~7sec time flow + back nut	56	752000	Urinal neck tube F1/2" Ø35	170
745200	TEMPOSTOP basin tap M1/2" ~7sec time flow + stud nut	-	752430	Urinal neck tube Ø 35mm recessed supply	153
745250	Replaced by 745100	-	753000	Urinal neck tube F1/2" F3/8" Ideal STANDARD/PORCHER Applique	170

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
753005	Maintenance kit TEMPOSTOP basin/urinal ~7sec time flow	252	761900	TEMPOFLUX WC recessed valve M3/4" ~7 sec chromed plate Ø195	198
753010	Maintenance kit for TEMPOSTOP basin/shower ~15sec time flow	252	762150	TEMPOFLUX 2 WC cross wall 145 flush valve M3/4" Ø25 ~7sec	197
753105	Maintenance kit TEMPOSTOP AB basin/urinal ~7sec time flow	252	762901	TEMPOFLUX 2 WC rec vlv M3/4" with box ~7sec single flush	197
753115	Maintenance kit TEMPOSTOP AB basin/shower ~15sec time flow	252	762902	TEMPOFLUX 2 WC rec valve M3/4" with box ~7sec dual flush	197
753148	Maintenance kit TEMPOSTOP siphon action urinal ~7sec	254	763000	TEMPOFLUX 3 WC F3/4" recessed AB, satin, 3L/6L, kit 2/2	195
753149	Maintenance kit for TEMPOSTOP shower ~30sec time flow	253	763040	TEMPOFLUX 3 WC recessed AB, chromed, 3L/6L, kit 2/2	195
753303	Maintenance kit TEMPOSTOP basin/urinal ~3sec time flow	252	763201	TEMPOFLUX 3 WC AB Ø28 exp valve M3/4" angled ~7sec +stopcock	196
753395	Urinal neck tube F1/2" for PORCHER HygieniQ	170	763203	TEMPOFLUX 3 WC AB exp kit M3/4" Ø28 angled ~7sec + stopcock	196
753730	Maintenance kit for PREMIX COMFORT 3/4" or 1"	254	763BOX	TEMPOFLUX 3 WC 3/4" valve recessed AB, 3L/6L, kit 1/2	195
753731	Replaced by 753730	-	763PIM	Satin st st plate for TEMPOFLUX 3 WC recessed AB	254
753733	Maintenance kit for PREMIX COMPACT	254	763PMM	Metal plate for TEMPOFLUX 3 WC recessed AB	254
753735	Maintenance kit for PREMIX COMFORT 1 1/4" and 1 1/2"	254	764000	Inline stopcock chromed + flow adjustment F1" - F1 1/4"	201
753736	Maintenance kit for MONOFOOT	252	764600	Stopcock straight + flow adjustment F1"-F1 1/4" rough	-
753739	Maintenance kit for MIXFOOT	252	765000	Elbow stopcock chromed + flow adjustment F1" - F1 1/4"	201
753749	Maintenance kit for TEMPOSTOP shower ~30sec time flow	253	765020	Elbow stopcock chromed + flow adjustment FF3/4"	199
753750	Maintenance kit for PREMIX SECURITY 3/4" or 1"	254	766001	Elbow flush tube Ø32/55 st steel TEMPOCHASSE WC 1 1/4"	202
753751	Replaced by 753750	-	766002	Elbow flush tube + con washer Ø28/55 for TEMPOFLUX WC 3/4"	202
753755	Maintenance kit for PREMIX SECURITY 1 1/4" and 1 1/2"	254	767004	Angled flush tube Ø32 F1 1/4" for squat WC with water nozzle	203
753761	Maintenance pack for TEMPOFLUX WC ~7sec time flow	254	767006	Ang flush tube offset slop hop 40mm F1 1/4" + con wash Ø32/55	203
753763	Maintenance pack for cross wall TEMPOFLUX WC ~7sec time flow	254	769001	Elbow flush tube PE Ø32/55 for TEMPOCHASSE F1 1/4"	202
753779	Maintenance kit for TEMPOCHASSE WC ~7sec time flow	254	769400	Recessed/cross wall PVC elbow flush tube Ø32	202
753790	Maintenance kit for TEMPOMIX shower ~30sec time flow	253	769500	Rec/c-wall PVC elbow flush tube + connection washer Ø32/55	202
753795	Maintenance kit deck mtd TEMPOMIX basin ~7 sec time flow	252	770035	Urinal corner wedge L35 I.S.J.DELAFON, LAUFEN, PORCHER	172
753796	Maintenance kit wall mtd TEMPOMIX basin ~7 sec time flow	252	770045	Urinal corner wedge L45 ALLIA VILLEROY & BOCH	172
754000	Urinal neck tube F1/2" F3/8" for J DELAFON Coquille 2-1519	171	771000	SIPHURINOIR vertical siphon with lip seal Ø50/32 H110 chr ABS	172
754524	Urinal neck tube F1/2" for J DELAFON Coquille + water nozzle	171	775000	Urinal outlet M1 1/4" socket to seal Ø54, chromed brass	173
755120	Urinal flush tube Ø35mm offset 20mm for TEMPOFLUX urinal vlv	-	776000	Urinal outlet M1 1/4" with comp seal Ø50 w-out nut, chr brass	172
756000	Urinal neck tube F1/2" for ALLIA/SELLES + water nozzle	171	777000	TEMPOSTOP exposed urinal MM1/2" inline ~3sec + wall plate	169
756230	Urinal neck tube F1/2" JD Murale 2, Boissiere 2 + water noz	171	777007	TEMPOSTOP exposed urinal MM1/2" inline ~7sec + wall plate	169
757000	Urinal neck tube F1/2" + wall plate for ROCA Urto	171	777015	TEMPOSTOP urinal kit inline washer Ø35	174
757010	*Neck tube F1/2" for DELABIE RND urinal (while stock lasts)	-	777101	TEMPOSTOP urinal kit inline ALLIA Aubagne 2, SELLES	174
757118	Neck tube F1/2" for DELABIE DELTACERAM urinal	170	777130	TEMPOSOFT 2 recessed urinal valve M1/2" ~3sec + wall plate	166
757135	Neck tube F1/2" TEMPOSTOP TEMPOSOFT 2 for FINO urinal	170	777140	TEMPOSOFT 2 urinal vlv MM1/2" for panels 7mm ~3sec time flow	166
757160	Neck tube F1/2" for DELABIE DELTA urinal before 04/2019	-	777200	TEMPOSTOP c-wall 200mm urinal valve MM1/2" ~3sec time flow	168
757162	Neck tube F1/2" for DELABIE DELTA urinal after 04/2019	170	777503	*TEMPOSTOP urinal kit IDEAL STANDARD/PORCHER (while stock)	-
757430	Neck tube + 1/2" union for rec supply for urinal with flexi	153	777517	TEMPOSTOP urinal kit inline JACOB DELAFON, Coquille 2	176
758021	Urinal water nozzle for stalls M3/8" recessed inlet	171	777800	TEMPOSOFT 2 wall mtd exposed urinal valve MM1/2" ~3sec flow	166
758035	Urinal union M1/2" Ø35 recessed	171	777807	TEMPOSOFT 2 wall mtd exposed urinal valve MM1/2" ~7sec flow	166
758135	Urinal neck tube F1/2" Ø35 recessed supply	171	777924	TEMPOSTOP recessed urinal valve MM1/2" ~3sec + plate Kit 1/2	168
758335	Discontinued	-	777925	TEMPOSTOP recessed urinal valve MM1/2" ~3sec + plate Kit 2/2	168
758645	Urinal neck tube F1/2" + water nozzle for ALLIA Amigo 3645	170	777930	TEMPOSTOP recessed urinal valve MM1/2" ~3sec + wall plate	-
758921	Urinal water nozzle for stalls M1/2" recessed inlet	171	778000	TEMPOSTOP exp urinal valve MM1/2" angled ~3sec + wall plate	169
759000	Urinal neck tube F3/4" Ø35 for siphon action	170	778007	TEMPOSTOP exp urinal valve MM1/2" angled ~7sec + wall plate	169
759090	Urinal neck tube F3/4" from above for JD Patio	171	778500	TEMPOFLUX exposed urinal valve M1/2" angled 3 sec + stopcock	-
760000	TEMPOCHASSE WC exposed valve MM1 1/4" ~7sec time flow	201	778700	TEMPOFLUX recessed urinal satin st. steel ~3 sec kit 2/2	163
760004	TEMPOCHASSE WC exp valve kit 1" ~7sec + inline stopcock	201	778755	TEMPOFLUX exp. urinal valve kit M1/2" angled 3 sec +stopcock	165
760005	TEMPOCHASSE exposed valve 1" ~7sec + elbow stopcock	201	778757	TEMPOFLUX kit M1/2" ~3 sec for DELTA urinals after 12/2018	165
760150	TEMPOCHASSE WC c-wall 190 1" + con wash Ø32/55 ~7sec	200	778759	TEMPOFLUX urinal valve kit M1/2" ~3 sec for FINO urinals	165
760220	TEMPOCHASSE WC rec/plate kit 1" +con wash Ø32/55 ~7sec	200	778800	TEMPOSOFT 2 wall mounted urinal valve M1/2" angled ~3sec	166
760410	Replaced by 760000	-	778807	TEMPOSOFT 2 wall mounted urinal valve M1/2" angled ~7sec	166
760450	TEMPOCHASSE exp slop hop kit 1" + offset 40 tube Ø32 7sec	201	778BOX	Recessed waterproof housing for TEMPOFLUX ur. 1/2" (+778700)	163
760460	TEMPOCHASSE exp for DELABIE slop hop kit 1 1/4" + tube Ø32	201	778PIS	Satin stainless steel plate for recessed TEMPOFLUX urinal	254
760605	TEMPOCHASSE WC recessed/c-wall cast MM1 1/4" Ø32 ~7sec flow	-	779000	TEMPOSTOP exposed urinal valve MM3/4" inline ~7sec time flow	169
760627	*TEMPOCHASSE rec kit MM1 1/4" ~7sec(while stock then 760220)	-	779128	TEMPOSTOP recessed urinal valve FF1/2" ~7sec + wall plate	168
760700	TEMPOCHASSE cross wall 190 kit 1" ~7sec + elbow tube Ø32	200	779221	*TEMPOSTOP rec urinal vlv ~7sec kit 2/2(while stkn 778700)	-
761000	TEMPOFLUX WC Ø28 exposed valve M3/4" angled ~7sec time flow	199	779421	TEMPOSTOP rec urinal valve MM1/2" ~7sec time flow + plate	168
761001	TEMPOFLUX WC Ø28 exposed valve M3/4" angled ~7sec + stopcock	199	779427	TEMPOSTOP rec urinal valve FF1/2" ~7sec time flow + plate	168
761002	TEMPOFLUX WC exposed kit F3/4" Ø28 angled ~7sec + stopcock	199	779BOX	Replaced by 778BOX	-
761003	TEMPOFLUX WC exp kit M3/4" angled ~7sec + tube Ø28 stopcock	199	78000	Discontinued	-
761004	TEMPOFLUX WC exp kit M3/4" angled ~7sec time flow +tube Ø28	199	780000	Urinal siphon F1 1/4" with vertical outlet Ø32 chromed brass	172
761025	TEMPOFLUX WC exp kit M3/4" angled ~7sec valve + tube Ø24/25	199	785000	Stall waste + integ siphon, vertical outlet Ø40 with nut	173
761200	TEMPOFLUX WC Ø25 c-wall 200mm flush valve M3/4" ~7sec	198	790000	TEMPOMIX exposed shower mixer M3/4" ~30sec time flow	111
761627	TEMPOFLUX WC rec valve M3/4" 7 sec st steel plate 220x170	198	790000CXL	Replaced by 790000	-
761700	TEMPOFLUX WC c-wall 150 kit M3/4" ~7sec valve + tube Ø32	198	790001	TEMPOMIX exposed shower mixer kit M3/4" ~30sec time flow	110

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
790006	TEMPOMIX exp shower mixer kit M1/2" ~30sec +stopcocks	110	792344	SECURITHERM st steel therm sh panel top inlets + handspray	81
790008	TEMPOMIX exp shower mixer kit M1/2" ~30sec + elbow union	110	792344CF	SECURITHERM SS therm sh panel top inlets + handspray 10 lpm	-
790100	Replaced by 790300 or 790204	-	792350	SECURITHERM therm sh panel, alu, conc inlet, h/set + firm head	79
790110	Replaced by 790310 or 790214	-	792354	SECURITHERM st steel therm sh panel back inlets + handspray	81
790150	Replaced by 790153	-	792354CF	SECURITHERM SS therm sh panel back inlets + handspray 10 lpm	-
790151	Discontinued	-	792380	SECURITHERM therm alu sh panel hidden inlets handset + fix	79
790152	Aluminium extension for shower panel	88	792390	SECURITHERM therm alu sh panel top inlets handset + fix	79
790153	Stainless steel telescopic extension for shower panel	88	79239015	SECURITHERM alu shower panel top inlets Ø15 handset + fix	79
790204	TEMPOMIX st steel shower panel top inlets ~30sec + soap dish	85	792400	SECURITHERM therm alum shower panel 6V battery-op top inlets	70
790204CF	TEMPOMIX SS shower panel top inlets ~30sec 10 lpm +soap dish	-	79240015	SECURITHERM therm alu sh panel 6V battery-op top inlets Ø15	70
790206	*TEMPOMIX Mineralsteel sh pnl top inlet +SD (then 790204)	-	792403	SECURITHERM st steel therm sh panel 6V battery-op top inlets	72
790206CF	Replaced by 790204CF	-	792403CF	SECURITHERM SS therm sh panel 6V batt-op top inlets 10 lpm	-
790212	Replaced by 790219	-	792404	SECURITHERM SS therm sh panel 6V batt-op top inlets soapdish	72
790214	TEMPOMIX st steel shower panel back inlets ~30sec +soap dish	85	79240415	SECURITHERM SS therm sh panel 6V batt-op top inlets Ø15 soap	72
790214CF	TEMPOMIX SS sh panel back inlets ~30sec 10 lpm + soap dish	-	792404CF	SECURITHERM SS therm sh panel batt-op top inlet 10 lpm soap	-
790216	Replaced by 790214	-	792406	Replaced by 792404	-
790216CF	Replaced by 790214CF	-	792406CF	Replaced by 792404CF	-
790218	TEMPOMIX recessed shower mixer waterproof Kit2/2 (+790BOX)	109	792410	SECURITHERM therm alum shower panel 6V batt-op back inlets	70
790218CXL	Replaced by 790218	-	792410UK	SECURITHERM therm alu shower panel UK 6V batt-op back inlets	70
790219	TEMPOMIX recessed sh mixer waterproof Kit2/2 ROUND (+790BOX)	109	792413	SECURITHERM st steel therm sh panel 6V batt-op back inlet	72
790300	TEMPOMIX aluminium shower panel mixer top inlets ~30sec	84	792413CF	SECURITHERM SS therm sh panel 6V batt-op back inlet 10 lpm	-
79030015	TEMPOMIX alu shower panel top inlets Ø15 comp fit ~30sec	84	792414	SECURITHERM SS therm sh panel 6V batt-op back inlets + soap	72
790305	TEMPOMIX alu shower panel top inlets ~30sec mixer +soap dish	84	792414CF	SECURITHERM SS therm sh panel 6V back inlets 10 lpm + soap	-
79030515	TEMPOMIX alu shower panel top inlets Ø15 mixer + soap dish	84	792416	*SECURITHERM Mine. BattShPnl back inlet 6lpm+SD(then 792414)	-
790310	TEMPOMIX aluminium shower panel mixer hidden inlets ~30sec	84	792416CF	Replaced by 792414CF	-
790350	TEMPOMIX alu shower panel mixer top inlets ~30sec + handset	84	792452	SECURITHERM elec therm shower recessed waterproof kit 2/2	96
79035015	TEMPOMIX alu shower panel top inlets Ø15 mixer + handset	84	792459	SECURITHERM elect therm sh mix rec +ROUND waterproof kit 2/2	96
790425	TEMPOMIX rec shower mixer M1/2" Ø15 ~30sec time flow + plate	109	792504	SECURITHERM st st therm shower panel 230/6V top inlet +soap	73
790427	TEMPOMIX rec shower mixer M1/2" Ø14 ~30sec time flow + plate	109	792514	SECURITHERM SS therm shower panel 230/6V back inlets + soap	73
790709	TEMPOMIX recessed/plate shower mixer kit M1/2" + ROUND	109	792BOX	Waterproof recessed control unit for therm shower kit 1/2	96
790712	*TEMPOMIX rec shower kit M1/2 + TONIC JET(whl stk thn 790709)	-	794000	TEMPOMIX 3 basin mixer F3/8" ~7sec time flow with stopcocks	43
790874	TEMPOMIX exposed shower mixer FFM3/4" ~30sec + elbow unions	111	79400015	TEMPOMIX 3 basin mix M1/2" ~7sec time flow + stopcock Ø15	43
790875	TEMPOMIX exposed shower mixer M1/2" ~30sec + offset unions	111	794050	TEMPOMIX 3 basin mixer M1/2" recessed ~7 sec spout L 110	45
790909	TEMPOMIX recessed shower mixer kit M1/2" plate Ø195 + ROUND	109	794055	TEMPOMIX 3 basin mixer M1/2" recessed ~7 sec spout L 190	45
790912	*TEMPOMIX rec sh kit M1/2" Ø195 TONICJET(whl stk thn 790712)	-	794100	TEMPOMIX 3 basin mixer F3/8" ~7sec time flow	43
790925	TEMPOMIX rec sh mixer M1/2" Ø15 ~30sec time flow plate Ø195	109	794150	TEMPOMIX 3 basin mix F3/8" cross wall 150 ~7 sec spout L 110	45
790927	TEMPOMIX recessed shower mixer M1/2" Ø14 ~30sec plate Ø195	109	794155	TEMPOMIX 3 basin mix F3/8" cross wall 150 ~7 sec spout L 190	45
790970	TEMPOMIX shower mix M3/4" for panels 1-10mm ~30sec time flow	111	794160	TEMPOMIX 3 basin F3/8" cross wall 150 ~7 sec +stopcock L 110	45
790BOX	Recessed waterproof box for shower mixer - Kit 1/2	109	794165	TEMPOMIX 3 basin F3/8" cross wall 150 ~7 sec +stopcock L 190	45
791201	Replaced by 791300	-	794200	Recessed TEMPOMIX 3 basin mixer L 110 kit 2/2 (+794BOX3)	47
791300	Shower alu panel top inlets mechanical mixer sh head 6lpm	87	794218	TEMPOMIX 3 rec waterproof shower mixer kit 2/2 (+794BOX)	105
79130015	Shower alu panel top inlets Ø15 mech mixer sh head 6lpm	87	794219	TEMPOMIX 3 rec waterproof shower kit 2/2 + ROUND (+794BOX)	105
791350	Shower alu panel top inlets mechanical mixer + handset	87	794250	Recessed TEMPOMIX 3 basin mixer L 190 kit 2/2 (+794BOX3)	47
792218	SECURITHERM therm shower mix rec ~30sec waterproof kit 2/2	108	794350	TEMPOMIX 3 basin M1/2" exp mix 7sec c-c 150 swivel spt L 150	43
792219	SECURITHERM therm sh mix rec 30sec +ROUND waterproof kit 2/2	108	794360	TEMPOMIX 3 basin M1/2" exp mixer 7sec c-c 150 fixed spt L 150	43
792300	SECURITHERM therm aluminium shower panel top inlets ~30sec	78	794370	TEMPOMIX 3 basin M1/2" exp mixer ~7 sec c-c 150 short spout	43
79230015	SECURITHERM thermostatic alu sh panel top inlets Ø15 ~30sec	78	794400	TEMPOMIX 3 shower M3/4" exp mixer ~30 sec c-c 150 top outlet	107
792303	SECURITHERM st steel therm shower panel top inlets ~30sec	80	794450	TEMPOMIX 3 shower kit M3/4" exposed mixer ~30 sec c-c 150	107
792303CF	SECURITHERM SS therm shower panel top inlets ~30sec 10 lpm	-	794470	TEMPOMIX 3 shower M1/2" exp mixer ~30 sec c-c 150 btm outlet	107
792304	SECURITHERM SS therm sh panel top inlets ~30sec + soap dish	80	794BOX1	Rec waterproof box for TEMPOMIX 3 shower top inlet kit 1/2	105
79230415	SECURITHERM SS therm sh panel top inlets Ø15 ~30sec + soap	80	794BOX2	Replaced by 794BOX1	-
792304CF	SECURITHERM SS therm sh panel top inlets ~30sec 10 lpm +soap	-	794BOX3	Recessed waterproof box for TEMPOMIX 3 basin mixer - kit 1/2	47
792305	SECURITHERM alu shower panel top inlets ~30 sec + soap dish	78	794PLAQ	Wall plate for TEMPOMIX 3 recessed shower	253
792310	SECURITHERM therm alu shower panel hidden inlets 30 sec	78	794PLAQ11	Wall plate for TEMPOMIX 3 recessed basin mixer spout L 110mm	252
792310UK	SECURITHERM therm alu shower panel UK hidden inlets 30 sec	78	794PLAQ19	Wall plate for TEMPOMIX 3 recessed basin mixer spout L 190mm	252
792313	SECURITHERM st steel therm shower panel back inlets ~30sec	80	795000	TEMPOMIX basin mixer F3/8" ~7sec time flow +stopcocks	49
792313CF	SECURITHERM SS therm shower panel back inlets ~30sec 10 lpm	-	79500015	TEMPOMIX basin mixer M1/2" Ø15 ~7sec + stopcocks	49
792314	SECURITHERM SS therm sh panel back inlets ~30sec + soapdish	80	795000CXL	Replaced by 795000	-
792314CF	SECURITHERM SS therm sh panel back inlets ~30sec 10 lpm soap	-	795100	TEMPOMIX basin mixer F3/8" ~7 sec time flow	49
792320	SECURITHERM therm alu panel top inlets ~30sec handset +fixed	79	795100CXL	Replaced by 795100	-
792324	SECURITHERM therm SS panel top inlets ~30sec handset + fixed	81	795209	TEMPOMIX c-wall 220 basin mixer kit M3/4" ~7sec time flow	49
792330	SECURITHERM therm alu panel rear inlet ~30sec handset +fixed	79	795926	Replaced by 795000	-
792334	SECURITHERM therm SS panel rear inlet ~30sec handset + fixed	81	79592615	Replaced by 79500015	-
792340	SECURITHERM therm sh panel, alu, top inlet, h/set + firm head	79	796000	TEMPOMIX wall mtd basin mixer M3/4" ~7 sec with fixed spout	49

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REF.	DESCRIPTION	P.	REF.	DESCRIPTION	P.
796000CXL	Replaced by 796000	-	925724.2P	2 × ECO aerators 1.5 lpm – M24/100	61
796209	TEMPOMIX c-wall 220 shower mixer kit M3/4" ~30sec + ROUND	110	926622.2P	Discontinued	-
796838	TEMPOMIX wall mtd basin mix M1/2" ~7sec fix spout+ang unions	49	926624.2P	Discontinued	-
798152	TEMPOMIX wall mounted basin mixer M3/4" ~7sec swivel spout	49	927005.5P	5 × Flow-rate regulator 5-6 lpm FM1/2"	121
798152CXL	*TEMPOMIX w-mtd basin mix M3/4" CXL (while stock then 798152)	-	927015.5P	5 × Flow-rate regulator 10 lpm FM1/2"	121
806794	Union M1/2" F3/4" for flexible with TEMPOMIX 3 shower	-	941120	Wall mounted fixed L-shaped spout M1/2" L120 - H60 adj FS	59
807792	Removable push-fit rapid STOP connector FM1/2" for sh panel	88	941202	Discontinued	-
811611.2P	2 × Copper tails M11 × 1 L365mm	62	941922	Wall mtd L-shaped spout for panels 1-10mm M1/2" L120 H60 FS	59
820022	Push-fit connector F22/100 for BIOFIL cartridge A	127	942040	Spout for cross wall 30mm M1/2" L75 flow straightener	59
820023	Push-fit union M1/2" for BIOFIL cartridge A and shower head	127	942200	Spout for cross wall 230mm M1/2" L75 flow straightener	59
820024	Push-fit connector M24/100 for BIOFIL cartridge A	127	947085	Discontinued	-
820025	Push-fit connector M24/125 for BIOFIL cartridge A	127	947120	Wall mounted fixed spout M1/2" L110 H16 Ø32 adjustable FS	59
820122	Push-fit connector F22/100 for BIOFIL cartridge P	127	947135	Wall mtd fixed spout M1/2" L120 H16 Ø32 adj FS + plate Ø60	59
820124	Push-fit connector M24/100 for BIOFIL cartridge P	127	947151	Fixed spout for walls 165mm M1/2" L120 Ø32 adjustable FS	59
822115	Extension union MF1/2" L100 Ø24 chromed for wall mtd taps	57	947157	Fixed spout for walls 165mm M1/2" L170 Ø32 adjustable FS	59
822516	Extension union MF1/2" L50 Ø26 chromed for wall mounted taps	57	947170	Wall mounted fixed spout M1/2" L160 H16 Ø32 adjustable FS	59
824800	Reinforced plate Ø80 4 screws wall mtd TEMPOMIX, TEMPOSOFT	49	947185	*Wall mtd spt M1/2 L170 H16 Ø32 plate Ø60(whl stk thn947170)	-
825015	Inline stopcock union nickel plated MF1/2" L35	122	967152	Swivel swan neck spout M1/2" L150 H120 adj flow straightener	59
825215	Inline stopcock union MF1/2" L70 retractable straight nut	112	967202	Swivel swan neck spout M1/2" L200 H200 adj flow straightener	59
825216	Discontinued	-	981142	Fixed cast spout M1/2" L140 H120 adj flow straightener	59
826315	Back-nut F1/2" 4mm thick with 3 screws and washer	49	983615	ECONOMIX 15/3 thermostatic mixing valve	139
827032	Inlet socket union for squat WC Ø28/32	-	983622	*ECONOMIX 22/3 thermostatic mixing valve (while stock)	-
836015	Elbow wall union with stopcock MF1/2" L30 H30	112	990123	2 × Lithium batteries 3V type 123A for elect unit 495446BC	257
836020	Elbow wall union with stopcock M1/2" F3/4" L30 H30	49	990223	Lithium battery 6V type 223 for units 479446, 490446, 492446	257
836215	Elbow wall union with stopcock MF1/2" L20 H30	118	993615	ECONOMIX 15/3 Combi thermostatic mixing	139
838015	Elbow wall union MF1/2" L30 H27	122	993622	*ECONOMIX 22/3 Combi thermostatic mixing (while stock)	-
838020	Elbow wall union M1/2" F3/4" L30 H29	49	999049	4 × Vandal proof screws TORX M5×25 + pegs	255
841315	Chromed backplate elbow MF1/2"with stud nut Ø14	57	A22D75	Safety aerator F22/100 for drench hose	245
845527.2P	2 × Fastfix Connector for walls for pipes Ø15 M3/4"	-	A22LY75	Safety aerator F22/100 for eye wash	245
855755.2P	2 × STOP/CHECK unions M1/2"-M3/4", offset 12mm	61	BA9915	2 × 15mm Combi angled inlet assembly	254
855755UK.2P	2 × STOP/CHECK unions M1/2"-M3/4" inline	61	BA9922	2 × 22mm Combi angled inlet assembly	254
856794.2P	2 × S union M1/2" M3/4" with cover plate, offset 11mm	61	BJ13V	Flow straightener Ø13 in Hostaform®	255
868121	Wall mounted elbow outlet MM1/2" H33 for shower	123	C282025	2.5mm Allen key to adjust flow rate on Eco flow straightener	61
874220.2P	2 × Elbow union FF3/4" with captive nut	122	CEL378150V	Detector + L1.50m cable for BINOPTIC, TEMPOMATIC 2	256
88CH5	Ceiling mtd shower head F1/2" chromed brass 5 rings	121	CEL378499V	Detector + L5m cable for BINOPTIC, TEMPOMATIC 2	256
9102	Wall mounted safety eye wash with bowl	244	CEL378V	Detector + L0.70m cable for BINOPTIC, TEMPOMATIC 2	256
9108	Horizontal safety wall mounted shower	243	CF	Vandal proof adjustable nozzle M24×1.25 limited to 10 lpm	122
9120C	Wall-mounted single spray eye wash + identification sign	245	CXL	Control CXL metal for TEMPOMIX basin + shower	-
9121	Wall-mounted dual spray eye wash + identification sign	245	GR	Rain effect spray grid M24×1.25 - shower heads 709/712/714/716	122
9140C	Deck-mounted single spray eye wash + identification sign	245	H9634	SECURITHERM thermostatic sequential shower panel back inlets	83
9141	Deck-mounted dual spray eye wash + identification sign	245	H9635	SECURITHERM therm seq shower panel back inlets + handset	83
91AA75	Safety aerator covers for eye wash	245	H9636	SECURITHERM sequential shower panel flexi inlets w. handset	83
9201	Safety free standing eye wash with bowl	244	H963615	SECURITHERM sequential shower panel copper inlets w. handset	83
9203	Safety free standing eye wash and shower combination	242	H9637	*Mineralsteel SECURITHERM sh pnl (while stk then H9636/H9639)	-
922016.2P	2 × Flow straightener M16.5/100	255	H9638	*Mineralsteel SECURITHERM sh pnl (while stk then H9636/H9639)	-
922022.2P	2 × Eco flow straightener adjustable flow rate F22/100	61	H9639	SECURITHERM sequential shower panel flexible inlets	83
922024.2P	2 × Eco flow straightener adjustable flow rate M24/100	61	H963915	SECURITHERM sequential shower panel copper inlets Ø15	83
9225	Safety shower head	243	KB7007	BINECO maintenance kit for basin/urinal ~7sec time flow	255
923016.2P	2 × BIOSAFE outlets M16.5/100	61	KB7015	BINECO maintenance kit for basin 15sec time flow	255
925616.2P	2 × Scale-resistant aerators M16.5/100	61	KB7025	BINECO maintenance kit for shower ~25sec time flow	255
925622.2P	2 × Scale proof aerators F22/100 + eco washer	255	KBP311N	BINECO maintenance kit for shower starter and fountain 83-84	255
925624.2P	2 × Scale proof aerators M24/100 + eco washer	255	LH	Long lever LH	-
925716.2P	2 × ECO aerators 1.5 lpm - M16.5/100	61			

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

The general terms and conditions are valid for all customers.

ORDERS AND QUOTATIONS:

These will be processed in order of receipt.

We do not accept open orders or orders for call-off.

All orders sent imply acceptance of our general terms and conditions of sale and customers waive any claims that may arise from clauses in their own documentation which may differ.

The customer agrees to these terms from the moment that we receive their order, which cannot be cancelled. Orders are accepted without obligation to deliver the order in full in one delivery.

Our commercial representatives are not authorised to agree additional terms verbally, or to provide verbal guarantees beyond those provided in the written contract. In the event of default or delayed payment, the Company will be entitled to suspend deliveries or cancel existing orders without any claim for damages from the customer. In the event of a change in circumstances of the buyer, we reserve the right to cancel existing orders or to demand payment guarantees.

Our quotes do not amount to specifications; specifiers and professional installers are solely responsible for the choice of products according to their intended use, current regulations and recommended guidelines.

PRICE:

Deliveries are invoiced according to the conditions in place at the date of despatch. Prices are given without guarantee and they may be changed without notice subject to fluctuations in costs, VAT or other taxes, according to the prevailing economic conditions.

Price increases will be announced one month prior to their application, and they apply to quotes and orders in hand.

PAYMENTS:

Terms of payments are confirmed when an account is opened, and are dependent on the terms of our credit insurance, and according to each country. We do not give discount for early payment.

In accordance with Article L441-6 of the Commercial Code, any delay in payment will give rise to the following from the first day of delay, regardless of their status with the supplier:

- An interest rate for delayed payment will be applied, equal to the European Central Bank refinancing rate plus 10% (French Law of Modernization of the Economy - LME - No. 2008-776 of 4th August 2008);
- A one-off payment of 40 Euros will apply to cover expenses (European Directive 2011/7 of 16th February 2011, Law 2012-387 of 22nd March 2012, and Decree 2012-1115 of 2nd October, 2012);
- When the recovery costs exceed the amount of the one-off payment, additional compensation will apply where justified.

In the case of late payment, a one-off payment may be required, replacing existing conditions. We will not accept any set off, only our assets have a legal value.

DELIVERY TIMES:

Despatch dates are indicative only and we shall not be liable for any delay or failure in carrying out our obligations where the delay or failure to deliver is caused by risks of manufacturing or where the cause is beyond our control. Delivery delay will not give rise to compensation payment or goods rejection.

SHIPPING:

Orders are sent to our distributors. We do not deliver to site. The buyer assumes responsibility for carriage and packing costs unless otherwise stated in the Incoterms on the invoice accompanying the goods. The goods are always forwarded at the buyer's own risk, whatever the method of transport, even if the carriage is free and special conditions have been granted. The carrier is solely responsible for their delivery, and in the event of delay, missing items, damage or other dispute, the customer must indicate this via the delivery driver's paperwork (either electronically or in hard copy) AND follow up with written notification sent by recorded delivery within 24 hours. A copy of this letter must be addressed to us.

CLAIMS:

No claim will be allowed where the delay in reporting exceeds 8 days following receipt of the goods. The whole of the delivery cannot be rejected because of partial damages and shortages.

PROPERTY IN GOODS:

Notwithstanding any agreed terms of sale, the goods shall remain the property of the seller until payment is made in full. The failure to meet a payment deadline may result in the reclamation of these goods.

The buyer assumes the risks of loss or damage, regardless of the means of delivery, as described in 'DELIVERY TIMES' and 'SHIPPING' above, as well as liability for the damage they might cause.

WARRANTY AND RESPONSIBILITY:

Our products are warrantied against any manufacturing defect for a period of 10 years, including electronic controls, excluding other electrical accessories (e.g. hand dryers, etc.) which have a 3-year warranty from the invoice date. This does not apply to products with an expiry date. This warranty is limited to replacement or repair of defective components as determined by our workshops in France but excludes the costs of spoilage, handling and carriage or compensation whatever they are. We are not responsible for handling charges and the cost of returning products to our workshops.

Disasters or major water damage as a result of manufacturing defects are covered by our product and/or public liability insurance.

Our warranty and responsibility does not include the following:

- installation that does not comply with the technical specification or current recommended guidelines;
- worn parts;
- non-compliance with installation, user and maintenance guides;
- other factors independent of our products' quality, for example: detergents or abrasive cleaning products, the action of hard water, foreign bodies (e.g. gravel, sand, iron filings, scale, etc.), chemical and electrolytic phenomenon;
- lack of supervision, poor storage or poor maintenance;
- product modifications or actions by the customer, or a third party, without our authorisation using non-DELABIE components and/or consumable items.
- products past their expiry date.

The water-tightness of connections, joints and the product housing is the responsibility of the professional responsible for installation, and must be guaranteed by them. Warranty excludes joints, valves, washers and rubber seals. However they would be supplied if the warranty application requires them. Any finishes other than chrome or nickel are also excluded from the warranty. In the event that the product has been discontinued or manufacturing methods have changed and replacements are not available, similar alternative products will be offered. Replacement under warranty will not extend the duration of the original warranty.

Legal warranty of latent defects applies in any event.

SPARE PARTS:

Spare parts and mechanisms that are essential to ensure the correct operation of our products will be held in stock for the duration of the guarantee. They are listed at the back of our catalogues.

RETURNS:

Goods may not be returned to us for credit without our prior written approval obtained by the buyer from the Company and they are received in a good state (determined by our goods inwards department). All transportation costs for returned goods must be paid by the buyer. Goods must be returned to our factory* with good protective packaging. Deliveries less than a month old will be refunded at the invoiced price. For deliveries older than one month, a deduction will be made for checking, handling and administration costs. A repair and re-stocking fee will apply where appropriate.

Product returns are not permitted in the following circumstances: discontinued products, specially manufactured products, technical or aesthetic evolution of the product since the date of purchase, scratched or damaged products, products purchased more than one year previously, products with an expiry date. If sent to DELABIE, those products outside the scope of returns will be immediately destroyed/recycled, and will not be returned to the customer.

The schedule of standard deductions is as follows:

- return less than 1 month: refund at invoiced price
- return between 1 and 3 months: deduction of 15%
- return between 3 months and 1 year: deduction of 30%
- return after 1 year: no refund possible.
- return without prior agreement: additional deduction of 5% of the value of the goods with a minimum value of €50 excl. VAT.

* DELABIE S.C.S.

18, rue du Maréchal Foch
80130 Friville Escarbotin – FRANCE

CLEANING - MAINTENANCE:

Clean with slightly soapy water only, using a soft cloth or sponge, rinse and dry thoroughly. Do not use abrasive or chlorine-based products (with a hydrochloric acid base), or dyes.

PHOTOGRAPHS AND DRAWINGS:

All photos, drawings or illustrations are for illustrative purposes only, without contractual obligation, and may be subject to change without notice.

We reserve the right to modify designs and dimensions without notice and without recourse. This applies to all references, dimensions, information contained in various documents, catalogues, installation guides, price lists and websites, which can be modified or discontinued at any time without notice.

INTELLECTUAL PROPERTY AND USE OF CONTENT:

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In line with the General Data Protection Regulation (GDPR), DELABIE is doing everything necessary to limit to a bare minimum the collection of personal data, and its conservation and ensure its protection.

DELABIE only uses this data for its own use for purposes of information and commercialisation of its products. It is not, under any circumstances, given to third parties.

The right of access, rectification, removal and opposition to the processing in addition to the limitation and transferability of your data is possible on request to our Data Protection Officer (DPO) at DELABIE via email (dpo@delabie.fr) or recorded delivery with a photocopy of a photo ID to the following address: DELABIE, 18 rue du Maréchal Foch, 80130 FRIVILLE, France.

EXCLUSIVE TERRITORIES:

In most countries throughout the world, our company has entered into exclusive agreements with organisations to import and distribute our products. Within this framework, our clients cannot sell our products outside their national borders without an express prior agreement on our part.

JURISDICTION:

Acceptance of an order delivered from France settles the contract under the French law. All disputes arising from the present contract will be settled definitively by the Court located in the area of our domicile, even in the event of multiple defendants, regardless of the delivery location or stipulated payment. All clauses to the contrary will be considered null by the mere fact of having dealt with our company.

AVAILABLE CATALOGUES:

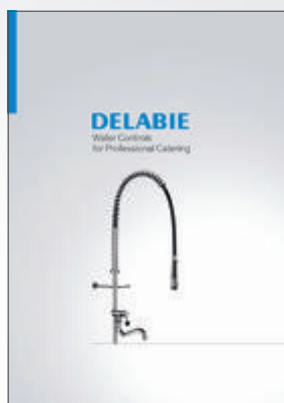
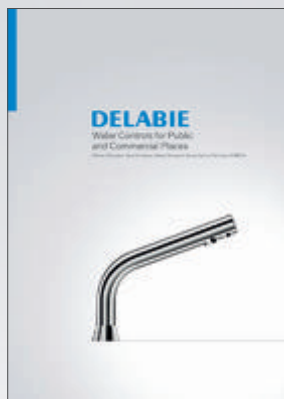
DOC 609INT: Water Controls for Public and Commercial Places

DOC 950INT: Accessibility and Independence - Hygienic Accessories for Public and Commercial Places

DOC 900INT: Water Controls for Healthcare Facilities and Retirement Homes

DOC 750INT: Stainless Steel Sanitary Ware

DOC 200INT: Water Controls for Professional Catering



DELABIE

18, rue du Maréchal Foch
80130 FRIVILLE - FRANCE

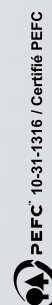
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