DELABIE



HEALTHCARE

DELABIE

CONTACTS

HEAD OFFICE & PRODUCTION SITE
18, rue du Maréchal Foch
80130 Friville
FRANCE

delabie.com

EXPORT
Tel. +33 (0)3 22 60 22 **72**
export@delabie.fr

QUOTES
Tel. +33 (0)3 22 60 22 **72**
export.quotes@delabie.fr

TECHNICAL SUPPORT
Tel. +33 (0)3 22 60 22 **74**
Fax +33 (0)3 22 30 31 07
sav@delabie.fr

ISO 9001 DEKRA Certification

Certification ISO 9001: 2015 quality management systems

ACS

Certificate of Sanitary Conformity.
All DELABIE products conform to the DWD* directive, the modified directive of 29/05/1997, the directive of 25/06/2020 and the French Ministry of Health circular DGS/SD7A2002 no. 571 dated 25/11/2002.

* EU Drinking Water Directive.

NEW

DELABIE's commitment!

30 YEAR WARRANTY

DELABIE PRODUCTS HAVE A 30-YEAR WARRANTY!

DELABIE products are designed to last for as long as possible.

The quality of our products is such that we have no hesitation in **guaranteeing our products for 30 years*.**

50 YEARS REPAIRABILITY

DELABIE PRODUCTS CAN BE REPAIRED FOR 50 YEARS!

We will keep **spare parts for our products for 50 years* to facilitate any necessary repairs.**

DELABIE is helping to minimise your costs and prolong product lifespans, thereby reducing your ecological footprint.

* *See Terms and Conditions of Sales*



DELABIE.COM AVAILABLE FEATURES

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.



BIM: DELABIE'S CORE PRODUCTS ARE NOW AVAILABLE

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

BIM files can be downloaded via the relevant product data sheet or via datashare.



TRENDS THE MAGAZINE: THE DESIGN TRENDS TAB

Browse the "Trends by DELABIE" magazine intended for those who are passionate about Design and the art of the "Beautiful".

Discover the 4 universes of "Trends" with major international projects, specification trends as well as interviews with prominent designers and architects who talk about their projects and their passions.

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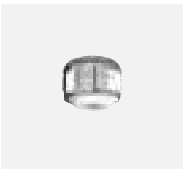
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Solutions to the problems faced by healthcare facilities and retirement homes

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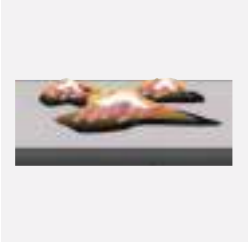
Stages in the development of biofilm on a surface



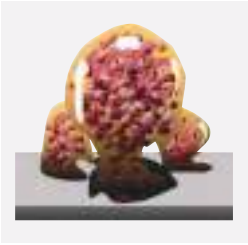
1: Cell attachment



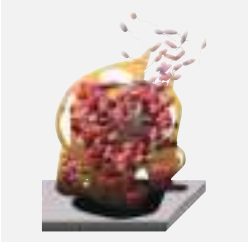
2: Irreversible cell attachment



3: Biofilm maturation phase I



4: Biofilm maturation phase II



5: Cell dispersion

Source: Chinks in the Armor of Bacterial biofilms Monroe D PLoS Biology Vol. 5, No. 11, e307 doi: 10.1371/journal. pbio.0050307/D. Davis.

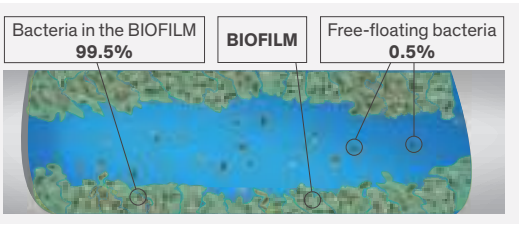
CONTROLLING BIOFILM

Naturally present in mixers, taps and pipework, biofilm is a collection of microorganisms (bacteria, algae, fungi, etc.) adhering to each other and to surfaces that are generally in contact with water, and which is characterised by the secretion of a protective and adhesive matrix (slime).

Various studies have shown that, regardless of the material used (copper, CPVC, stainless steel, polypropylene, etc.), biofilm forms systematically after several weeks or months even on biocidal materials.

99.5% of bacteria found in these installations are trapped in the biofilm, which provides the ideal environment (water, temperature and nutritional conditions) for them to proliferate.
If the conditions are favourable, the bacteria multiply and form aggregates that can easily become detached and contaminate the water supply.

Biofilm is impossible to eradicate, but its development can still be controlled.



THE FIGHT AGAINST WATERBORNE BACTERIA

Infection control must be the priority for healthcare facilities, which shelter many germs such as viruses and bacteria.
There are two types of waterborne bacteria which are responsible for healthcare acquired infections in hospitals:
- bacteria in the system which develop when in contact with water e.g. *Legionella spp.*
- bacteria at the point-of-use (water controls) which develop when in contact with air/water e.g. *Pseudomonas aeruginosa, Mycobacterium avium, Mycobacterium xenopi, etc.*

Since these two types of bacteria are very different, bacteriological monitoring must be appropriate for both types.

LEGIONELLA

This bacteria lives naturally in fresh water and man-made water features.

For optimal development *Legionella* requires 2 main elements:
- water at a temperature between 25°C and 45°C.
- stagnant water and the presence of other microorganisms capable of providing nutrients that its own metabolism is unable to produce, in addition to scale or corrosion.

Human contamination occurs via the respiratory route (inhaling contaminated water in aerosol format) and can lead to a serious pulmonary infection: legionellosis.

In Europe, Australia and the USA, approximately
1 015
cases are detected per million in habitants per year
Source: World Health Organisation

LEGIONELLA REGULATIONS: A COMMON APPROACH

Legionella monitoring and prevention are governed by different regulations around the world. Although standards vary from country to country, they are generally based on common principles aimed at limiting the proliferation of *Legionella pneumophila* and protecting public health.

Monitoring water systems
High-risk facilities such as drinking water systems are regularly monitored. Samples and analyses are carried out to detect the presence of *Legionella* bacteria and assess their concentration.

Application of regulatory thresholds and implementation of risk management plans
The health authorities define *Legionella* concentration thresholds that must not be exceeded. When these thresholds are reached or exceeded, corrective measures must be put in place, such as disinfecting installations or changing water management parameters. The regulations also encourage the implementation of risk management plans, incorporating preventive action, monitoring and intervention in the event of contamination.

In Australia, for example, the standard AS/NZS 3896:2017 defines the methods for detecting and quantifying *Legionella* in water.
In the UK, the Health and Safety Executive (HSE) imposes strict obligations with the L8 Approved Code of Practice, which details measures for preventing, monitoring and controlling *Legionella* in water systems.
In the European Union, the Directive 2020/2184 on the quality of water intended for human consumption requires Member States to monitor *Legionella* in drinking water systems, while the EN ISO 19458 specifies water sampling methods for *Legionella* control.
In Canada, the Canada Labour Code requires employers to prevent exposure to *Legionella*.
For its part, Health Canada recommends monitoring thresholds and suggests sampling protocols.

PSEUDOMONAS AERUGINOSA

Almost 40% of all cases of *Pseudomonas aeruginosa* originate while the patient is in hospital care (39%).

Pseudomonas aeruginosa, requires 2 elements in order to develop:
- water at a temperature between 4°C and 42°C (optimal development between 30°C and 37°C).
- the ability to oxidise.

Pseudomonas aeruginosa is transmitted by hand by healthcare staff and via infected medical equipment. Invasive surgery presents a high risk of transmission of this type of infectious agent.

3.5 million healthcare acquired infections in Europe of which **90,000 are fatal**

Source: European Centre for Disease prevention and Control (ECDC)

There are several levels of *Pseudomonas aeruginosa* contamination.

Pseudomonas aeruginosa development in the spout

Pseudomonas aeruginosa primarily contaminates mixer and tap spouts, since it needs a mixture of air and water to develop. Biofilm, niches and cavities in the spout walls protect the bacteria from treatments, and provide the ideal environment for the bacteria to proliferate.
At the outlet, *Pseudomonas aeruginosa* finds all the necessary conditions to develop and proliferate, establishing permanent colonies in mixers and taps.

Even cleaning spouts and flow straighteners regularly is ineffective.

Almost 40% of *Pseudomonas aeruginosa* cases originate while the patient is in hospital care

Source: Public Health England 2021 *Pseudomonas aeruginosa* bacteraemia annual figures

Pseudomonas aeruginosa development in flexible hoses and pipework

Once established in the biofilm in mixers and taps, *Pseudomonas aeruginosa* continues to develop and will gradually colonise the flexibles and pipework unless an effective solution is put in place.

By this stage it is impossible to eradicate *Pseudomonas aeruginosa*, which then becomes a threat to the entire water system.

MONITORING FOR PSEUDOMONAS AERUGINOSA

In the UK, the *Department of Health and Social Care* (DHSC) conducted a study into contamination by *Pseudomonas aeruginosa* in mixers/taps and the water supply system. This study resulted in the publication of technical guidance written specifically for augmented care units. This latter was incorporated in the revised version of the HTM 04-01 Part B in 2016 which outlines what action to take when healthcare facilities become contaminated with *Pseudomonas aeruginosa.*

In order to assess the level of water contamination by *Pseudomonas aeruginosa*, the DHSC recommends sampling the first water to be delivered from the outlet. Furthermore, to maximise the recovery of free-floating bacteria it recommends taking samples:
- at least 2 hours (preferably longer) after the last draw-off at outlets used on a daily basis.
- on outlets that are used infrequently on a weekly basis, or as indicated in the Water Safety Group's risk assessment.
  - The tap should not be disinfected (heat or chemical treatment) or deliberately cleaned prior to sampling.

The DHSC has addressed the issue of tap and water system contamination by these bacteria. The *Health Technical Memorandum* (HTM 04-01) published in 2016, 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 per 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.

Monitoring levels for *Pseudomonas aeruginosa*:

Satisfactory level	< 1 CFU/100mL
Unsatisfactory level	> 10 CFU/100mL

CFU/mL: Colony Forming Units/millilitre

In its report the DHSC clearly indicates that disinfecting the water supply (hot and cold) is insufficient for removing an established biofilm. It recommends that, where installed, removable taps should be periodically removed for internal cleaning and disinfection to remove any biofilm and bacteria residing within.

Healthcare facilities should establish regular cleaning protocols.
See more about DELABIE's solutions on page 10.

The US Center for Disease Control and Prevention identifies that nearly 1.7 million hospitalised patients annually acquire HCAIs while being treated for other health issues and that more than 98,000 patients (one in 17) die due to these. Several studies suggest that simple infection-control procedures such as cleaning hands with an alcohol-based hand rub can help prevent HCAIs and save lives, reduce morbidity, and minimise health care costs. Routine educational interventions for health care professionals can help change their hand-washing practices to prevent the spread of infection. In support of this, the World Health Organisation (WHO) has produced guidelines to promote hand-washing practices among member countries.
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 Institute for Public Health Surveillance*, 47% of Legionella cases identified in 2019 were linked to visits to hotels, tourist accommodation, campsites, swimming pools and sports stadia, compared to 11% linked to healthcare facilities (hospitals, retirement homes, etc.).



COLD WATER TEMPERATURES OVER 20°C: BEWARE OF THE DANGERS!

Legionella, Pseudomonas aeruginosa and *Mycobacterium avium* are pathogenic bacteria that are present in drinking water distribution systems in Buildings open to the Public.
Various regulations and guidance point the finger at these bacteria, and impose strict measures to control the risk of their proliferation, focussing specifically on domestic hot water (DHW). *For more information see page 4*.

But what about cold water?
Cold water above 20°C can also be a source of bacterial development. According to Health and Safety Executive (HSE) Technical guidance HSG274 Part 2, 2024, the maximum temperature of cold water in the system should be 20°C. But in the majority of healthcare establishments and retirement homes, the ambient temperature is usually maintained above 20°C.

Published in the medical journal Eurosurveillance (Germany), a study into hospital cold water distribution systems reveals that 35% contain *Legionella* in water at 20°C. This shows that cold water at 20°C already places the system at risk!

Patients in healthcare facilities and retirement homes are, therefore, exposed to a higher risk from waterborne pathogenic bacteria not only in the summer, but also all year round if the temperature in the technical area is persistently above 20°C; with a risk of the domestic cold water (DCW) temperature reaching 25° or even 30°C in summer.

Conclusion: at 20°C, beware of the danger!

How to limit the temperature of cold water in the pipework?
One solution consists of refrigerating the cold water using a distribution loop and a cooling system, but this solution should be avoided because it doubles the length of the DCW pipework, which amounts to doubling the surface area of the biofilm and, therefore, doubling the risk of proliferation.
Moreover, this requires complex and very expensive DCW cooling equipment, with daily monitoring to ensure it is operating correctly, and regular maintenance. Ultimately, this option is only possible for new-build projects.

Insulating the DCW and DHW pipes is essential, but this is not effective if the DHW and DCW pipes are close to each other and confined in the same space (i.e., in technical areas or chased-in pipes) where the DHW is circulated above 50°C (55°C in healthcare facilities depending on the country), as recommended by HSE guidelines, which causes the air temperature in the technical duct to rise sharply. The DCW then reaches temperatures close to the air temperature of the technical duct despite good insulation.

To control the risk of bacterial proliferation in DCW pipes, action must be taken at two levels: manage water temperatures and prevent stagnation.
This requires a two-pronged solution:

- air-condition the technical ducts so that the ambient temperature of the technical area does not increase the DCW temperature. Insulating DCW and DHW pipes then takes on its fullest meaning.
- flush the DCW pipework regularly to avoid stagnation. The guidance is also very clear in respect of this, since it indicates that stagnation is a significant factor in the development of biofilm and therefore in the proliferation of bacteria in water.

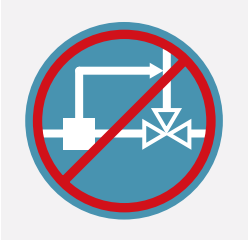
DELABIE's electronic basin taps, WCs and showers incorporate a duty flush which activates the valves automatically if they have not been used for 24 hours, preventing long-term water stagnation, in accordance with current guidance.
These two combined solutions can be easily implemented in most existing installations.

Hot water/cold water cross flow is a significant risk
The problem of elevated cold water temperatures can be the result of cross flow between the DHW and the DCW at the point-of-use, due to faulty non-return valves. If this is the case, hot water can flow back into the cold water supply pipes, increasing the temperature and resulting in bacterial proliferation.
However, it is almost impossible to regularly and systematically check the non-return valves on the mixers, unless you have a large budget and a lot of staff.

The DELABIE solution: thermostatic mixers without non-return valves
To overcome this difficulty, DELABIE has designed a thermostatic shower mixer without non-return valves, which prevents any cross flow between the DHW and DCW. It protects patients against the risk of scalding from DHW at 55°C if the cold water supply fails, and also reduces the risk of bacterial proliferation thanks to its mechanism with no non-return valves and its design.
For more information see page 112.



Stagnation prohibited



Bypass prohibited



Measuring pressure



Measuring the temperature



Training relevant personnel

EUROPEAN WATER QUALITY REGULATIONS

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 September 2023, *Hygiene in Drinking Water Installations VDI 6023 Blatt 1*, requires purging to be carried out after 72 hours of stagnation in a sanitary installation (this also includes WC cisterns). 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 it promotes 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 1.5m/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.**

Removable mixers and taps
In addition to preventative measures, the HSE *(Health and Safety Executive)* recommends the use of mixers and taps that can be easily removed for regular internal cleaning; a mechanical intervention that is effective for removing biofilm.

Circulating loops
A circulating loop up to the point-of-use is not recommended. It doubles the length of the pipework and therefore doubles 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.

In the UK, where there is a high risk of scalding, thermostatic mixing valves (TMVs) must be fitted. The HSE guidance recommends keeping pipe runs between a thermostatic mixing valve (TMV) and the outlet as short as possible, and the pipe run should not exceed 2 metres. Where practicable, the TMV should be incorporated within the tap.

> **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.

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.

Adapted water controls
DELABIE offers water controls with low water volumes which have smooth surfaces in contact with the water, and removable mixers and taps, fitted with flexible hoses or tails, with reduced water passages in order to reduce the risk of bacterial development considerably.
For more information see page 10.

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 28.

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.

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



Reduced-stagnation solenoid valve

Thermostatic mixing valves
To reduce the risk of bacterial development (*Legionella* etc.) public buildings should distribute hot water at temperatures of at least 55°C in healthcare facilities (50°C in other non-domestic buildings, depending on the country). 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 group thermostatic mixing valve allows the facilities manager to maintain temperatures that comply with the regulations while ensuring user safety.
For more information see page 145.

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

PREMIX NANO and SECURITHERM thermostatic mixers ensure that the hot water supply shuts off if the cold water supply fails.

WC systems with direct flush and no cistern
The insides of toilet cisterns are covered in biofilm. The large surface area of cisterns, and water stagnation, make the cistern a major risk factor for the proliferation of bacteria that can spread in sanitary installations.
By removing the need for toilet cisterns, DELABIE's direct flush systems eliminate the risk of bacterial proliferation.
For more information see pages 149 - 155.

Cistern-less WC flush systems

- no water stagnation
- no bacterial development



TEMPOMATIC MIX 4
Automatic duty flush
Reduced-stagnation solenoid valve



BIOCLIP
Removable mixer



PREMIX
Maintains the temperature in the system
Anti-scalding failsafe



TEMPOFLUX 3
Direct flush with no cistern





After 2 years of use



After 10 years of use

Inside a mixer where there are no cleaning protocols in place



Biofilm is eliminated
Mixer is like new

Inside a mixer where there are regular cleaning protocols in place



Low volume of standing water

Discover our BIOSAFE solutions video

DELABIE'S SOLUTIONS FOR INFECTION CONTROL

THE BIOSAFE CONCEPT

Pseudomonas aeruginosa mostly contaminates mixers and taps at the outlet, i.e. inside the spout. As a result, this part of the mixer/tap should be the subject of special attention in order to limit bacterial development. To this end, DELABIE has designed specialist controls that facilitate preventative action and, if necessary, curative action if contamination occurs.

BIOCLIP removable mixers and taps for cleaning/disinfection
The BIOCLIP range of mixers and taps can be fitted with specialist spouts and the whole interior can be cleaned - the only way to eliminate biofilm completely - helping to fight effectively against bacterial development.

- **Mixers with removable BIOCLIP spouts**
  Mixers are supplied with two stainless steel/brass spouts. The second spout ensures continuous use while the first is being cleaned. Alternative options are:
  - Disposable spouts: each spout must be replaced periodically, depending on the type of installation.
  - BIOFIL filtration spouts: these spouts guarantee the bacteriological quality of the water.
- **BIOCLIP removable mixers**
  Mixers that can be completely removed from their base for curative or preventative measures in healthcare facilities:
  - **Curative action:** bacteriological monitoring in healthcare environments sometimes requires remedial action. If mixers and taps are contaminated by *Legionella spp.* or *Pseudomonas aeruginosa*, they can be easily removed by maintenance staff to enable the interior to be completely cleaned.
  - **Preventative action:** to minimise the risk of bacterial proliferation in mixers and taps, DELABIE recommends concentrating on preventative measures.

BIOCLIP mixers and taps allow healthcare facilities to establish regular cleaning protocols (from every 6 months to every 2 years depending on the type of facility) to eliminate biofilm and bacteria.

Mixers and taps with low volume of standing water
Some of DELABIE's mixers have specifically designed interiors that reduce the volume of standing water in the body, and thus significantly reduce the risk of bacterial development.

Mixers and taps with smooth interiors
All the internal parts of certain DELABIE mixers and taps are completely smooth, reducing biofilm attachment and making it easier to treat.

A study by the BioPI laboratory and the Department for Biological Studies at Jules Verne University in Amiens, France showed that under constant conditions, mixers and taps with smooth interiors have *Pseudomonas aeruginosa* contamination levels 14 times lower than those mixers and taps with rough bodies.

Electronic controls with duty flush programme
To overcome water stagnation in water systems, all DELABIE's electronic controls are programmed with a periodic duty flush to prevent bacterial proliferation. An automatic flush takes place for ~60 seconds every 24 hours after the last use (programmable on some models). As a result, bacteria do not have the opportunity to develop.

Water controls without non-return valves Cross flow between DHW/DCW is impossible
DELABIE has developed a unique, patented mechanism for its thermostatic mixers which closes the Hot and Cold Water directly at the inlets, meaning there is no need for non-return valves. The risk of cross flow is eliminated.
See opposite for more information.

BIOSAFE hygienic outlet
Made from Hostaform®, its smooth internal surface provides nowhere for impurities or scale to adhere reducing the emergence and spread of bacteria and germs in damp conditions.
It can only be installed on a mixer or tap that already has a restricted flow rate to ensure a good flow with no splashing.
For more information see page 100.

BIOFIL point-of-use filtration
BIOFIL anti-Legionella and all-germ filters guarantee bacteriologically controlled water at the point-of-use and protect the user's well-being.

Each BIOFIL filter incorporates a hollow fibre membrane with a water filtration threshold of 0.1 micron nominal-rated. They deliver water free from microorganisms, providing total protection against waterborne infection.

The BIOFIL range includes tap and wall-mounted shower filters, shower head filters and spout filters.
For more information see pages 23 - 25.

THE END OF NON-RETURN VALVES

The use of water in healthcare facilities creates significant sanitary challenges.
Bacterial contamination in water systems represents an extremely high risk to the health of those patients with weakened immune systems, mainly linked to the proliferation of *Legionella spp.* and *Pseudomonas aeruginosa*.

Cross flow between the hot and cold water inevitably creates conditions favourable to bacterial development in water controls.
To reduce this risk, all conventional thermostatic mixers have non-return valves. Conventionally used to prevent the hot water from entering the cold water supply (or vice-versa, according to the higher pressure), these valves are now considered to be principal causes of bacterial development.
However, non-return valves are not reliable because sooner or later impurities prevent them from being watertight, meaning they cannot function correctly. In the event of failure, they are responsible for DHW/DCW cross flow, causing irrecoverable conditions favourable to bacterial development inside mixers.

A French standard, NF Medical which came into effect at the end of 2016, demands that a mixer shuts off prior to the mixing chamber, removing the need for non-return valves on water inlets.

Excerpts from a legal expert's verdict in the investigation into the deaths, caused by *Legionella*, of 6 residents of a French retirement home between 2006 and 2008 conclude that: *"the drop-off of the zinc and copper hydroxide found on the **non-return valves located upstream of the thermostatic mixer are responsible for the CW being heated up by the HW. It's the triggering factor for bacterial proliferation ...**".*

It is, therefore, fundamental that mixers' closing mechanisms are located upstream of the mixing chamber to prevent any cross flow between DHW and DCW. As a result, the non-return valves, whose reliability cannot be guaranteed, become redundant.

DELABIE has developed a unique, patented mechanism for its thermostatic mixers which does not need non-return valves. The risk of cross flow is therefore completely eliminated.
For more information see page 112.



TEMPOMATIC MIX 2



SECURITHERM



BIOSAFE

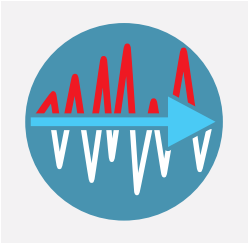




Anti-scalding safety



Maximum temperature limiter



Temperature stability

Discover our SECURITHERM solutions video

DELABIE'S SOLUTIONS TO REDUCE THE RISK OF SCALDING

THE SECURITHERM CONCEPT

To reduce the risk of bacterial development (*Legionella spp.*, *Pseudomonas aeruginosa*, etc.) healthcare facilities must produce and distribute hot water at high temperatures (HSE Approved Code of Practice and Guidance document HSG274 Part 2).
The risk of cutaneous scalding increases considerably for hospital patients with reduced sensitivity and/or slower reflexes.
According to the World Health Organisation, hot water is a major cause of scalding (between 20 and 30%).
In the year to March 2023, 712 people were admitted to hospital with scald injuries from taps.
Approximately ⅓rd of burns and scald victims are under 5 or over 84 years old (source: ciphe.org.uk).
This risk is particularly high for mentally or physically disabled people or the elderly, mainly if they accidentally change the temperature setting from its initial setting.
It is therefore essential to maintain a maximum temperature that reduces the risk of scalding by introducing safety devices.
HSE guidelines state that where a significant risk of scalding has been identified, point-of-use TMVs should be considered for baths and showers to deliver water at safe temperatures (see *pages 103 and 145).*
The risk of scalding can also be controlled at the point-of-use thanks to the SECURITHERM range of mixers and shower panels.

Domestic Hot Water 20 to 30% of scalds worldwide

Correlation between temperature and the risk of scalding:

At 60°C	3rd degree burns in 3 seconds on average: 5 seconds for an adult, 1 - 2 seconds for a child
At 50°C	Burns in 7 seconds 3rd degree burns in 100 sec.

Source: Centre for Burns, St Joseph and St Luc Hospital in Lyon, France

Maximum temperature limiter
All DELABIE's mixers are supplied with a maximum temperature limiter. The user cannot increase the temperature above the temperature limit (maximum temperature depends on the model) reducing the risk of scalding.
The temperature limiter is set at the factory to save time during installation, but it may be adjusted by the installer.

Temperature stability

- **SECURITHERM thermostatic point-of-use mixers:**
  A thermostatic cartridge guarantees temperature stability regardless of variations of pressure or flow rate in the system.
- **SECURITHERM mixers with EP cartridge:**
  The EP pressure-balancing cartridge compensates for the unavoidable variations in pressure in the system, ensuring that the water temperature at the outlet remains constant. It also removes the need for pressure regulators upstream of the mixer, which are complex and have large cavities and several membranes which provide additional niches where microbes can develop.

Automatic anti-scalding failsafe
SECURITHERM technology ensures an automatic and instant anti-scalding failsafe for users.

- **SECURITHERM thermostatic point-of-use mixers:**
  In the event of failure of the Cold Water supply, thermostatic mixers shut off the Hot Water immediately.
  In the event of failure of the Hot Water supply, they also shut off the Cold Water.
- **SECURITHERM mixers with EP cartridge:**
  In the event of Cold Water failure, the Hot Water flow rate on EP mixers is reduced therefore removing the risk of scalding for the user. In the event of Hot Water failure, the Cold Water is likewise reduced.

Securitouch thermal insulation

DELABIE has placed an increased emphasis on safety to provide superior comfort thanks to Securitouch technology.
In general, the bodies of mixers are made from chrome-plated brass. Since metal is an effective heat conductor, it is very easy for people to burn themselves simply by touching the mixer.
With Securitouch technology any risk of burns from the patient touching the mixer or grabbing it following a slip or loss of balance in the shower is eliminated.

- **SECURITHERM thermostatic point-of-use mixers:** SECURITHERM thermostatic mixers have been designed so that there is no thermal conduction along the length of the body, which prevents the risk of burns if touched.
- **SECURITHERM mixers with EP cartridges:** The body of certain Securitouch EP wall-mounted mechanical mixers is insulated from the hot water. It arrives at the cartridge inside narrow tubes without coming into contact with the brass walls of the mixer.

Thermal shock feature

- **SECURITHERM thermostatic point-of-use mixers:** With SECURITHERM thermostatic mixers it is possible to undertake thermal shocks at the temperature of the hot water in the system:
  - for ref. H9741TP dual control model only, unscrew the temperature adjustment cap using an Allen key and turn the valve spindle clockwise all the way to the right to override the temperature setting.
  - on all other dual control models simply press the little red button with a pointed tool to override the maximum temperature limiter.
  - remove the control lever to unblock the temperature limiter on sequential models.
- **SECURITHERM mixers with EP cartridge:** With certain mixers with an EP cartridge it is possible to undertake a thermal shock at the temperature of the Hot Water in the system without removing the control lever or shutting off the Cold Water supply. This feature is also standard on some models with a classic ceramic cartridge *(see below).*



Unblock the maximum temperature limiter to carry out a thermal shock: simply push in the red button with a pointed tool.



Thermal shock at system temperature.

Securitouch thermostatic shower mixer

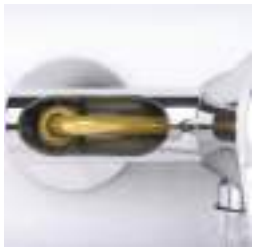


Total thermal insulation



Cool-touch

Securitouch EP mixer



Tube insulated from the mixer body



No risk of burns



Thermal shock feature



High spout:
optimised hand washing



Sculptured control lever:
easy to grip



Ergonomic controls



Long lever

Discover our Ergonomics and Accessibility solutions video

DELABIE'S SOLUTIONS FOR EASE, COMFORT AND ERGONOMICS

Domestic washbasin mixers and taps do not provide the necessary level of comfort for the residents of healthcare facilities and retirement homes. These domestic mixers/taps are designed for personal washing (for face washing or cleaning teeth etc.) and are not designed for washing the whole body.

- **Unsuitable dimensions**
  Residents in healthcare facilities and retirement homes include sick, weak, elderly or disabled people. The mixers and taps used for personal hygiene should be suitable for the resident's physical needs and the required use (washing at a hand basin requires greater comfort). To ensure optimised washing, mixers and taps should have an increased spout height and projection.
- **Lack of ergonomics**
  The control knobs of conventional mixers and taps are not designed for easy gripping. Moreover, the movement required to adjust the flow rate and temperature is not always smooth. As a result, residents in healthcare facilities and retirement homes have to make an additional effort to operate the mixer or tap.

Comfortable and easy to use

- **Specific, adapted dimensions: high and extended spout (projection)**
  The dimensions of mixers and taps destined for patient bathrooms must be suitable for their range of movements, and offer them all the ease and comfort they require. DELABIE offers mixers and taps with higher and longer spouts than traditional mixers and taps. This allows patients to optimise hand washing and personal washing. Moreover, an increased drop height reduces the risk of bacteria splashing back from the waste or drain onto the spout. This also allows the installation of point-of-use micro-filters.
- **Ergonomic controls**
  DELABIE offers a wide choice of ergonomic control levers to meet the specific needs of different users:

Controls with manual contact:
- Sculptured levers or ergonomic control knobs for an easy grip.
- Solid levers combining design and ergonomics.

Controls with no manual contact:
- Hygiene levers: these long levers are specifically designed for healthcare professionals and patients with reduced mobility, and can be controlled with no manual contact using the wrist, forearm or elbow.
- Infrared presence detection: DELABIE's electronic mixers and taps do not require any effort from the patient. The mixer/tap opens and closes automatically when hands are presented in the detection zone (with no manual contact) for superior comfort.

Besides the convenience and comfort they provide for the residents, these mixers and taps - which operate without manual contact - help prevent the spread of germs by hand (perfect hygiene).

DELABIE'S SOLUTIONS FOR SAVING WATER AND ENERGY

Patients or residents tend to wash at a basin rather than take a shower as they have reduced autonomy (e.g. those weakened by illness, the elderly, semi-bedridden patients, those recovering from surgery, etc.). Washing at the washbasin takes longer (14 - 20 minutes) than showering (8 - 10 minutes on average) and involves a significant volume of water.

Average water consumption per person per day:

Domestic consumption:
137 litres per day per person

Hospitals or similar:
300 - 450 litres per day per bed

Retirement homes or care homes:
up to 250 litres per day per bed

Source: Information Centre for Water (CIEAU) Water Agency, Loire Brittany

DELABIE's mechanical mixers for washbasins: 45% water savings

Most mixer manufacturers regulate the flow rate inside the cartridge or at the mixer outlet. This inevitably creates counter pressure in the mixer, resulting in cross flow between the hot and cold water.

DELABIE's basin mixers with ceramic cartridges are fitted with a flow rate limiter at the hot and cold water inlets to achieve 5 lpm at the outlet. The water savings achieved are about 45% and user comfort is maintained. Controlling the flow rate at the inlet instead of the outlet prevents cross flow between hot and cold water, which causes the proliferation of bacteria upstream of the mixers.

DELABIE's electronic mixers for washbasins: 85% water savings

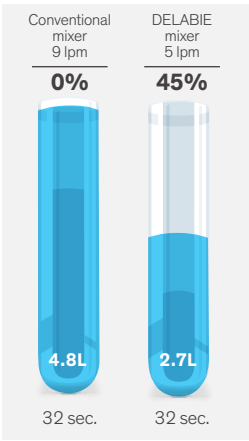
Compared to conventional mixers, DELABIE's electronic controls can offer maximum water savings. They ensure the manager's water bills can be reduced whilst preserving user comfort.

Automatic shut-off and split delivery

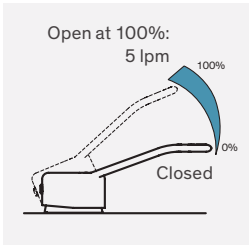
The mixer or tap shuts off automatically when hands are removed from the detection zone. This removes the risk of waste through negligence. The flow time is reduced to the necessary minimum (wetting, rinsing).

Regulated flow rate

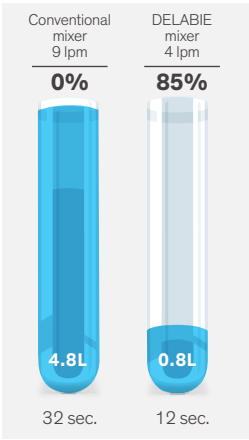
Some of DELABIE's electronic mixers and taps are regulated at 4 lpm. The majority of DELABIE's electronic mixers and taps are, however, regulated at 3 lpm. The flow rate remains constant regardless of pressure variations in the system.



Water savings per use with DELABIE's mechanical mixer



DELABIE's mechanical mixer



Water savings per use with DELABIE's electronic mixer



DELABIE's electronic mixer

WATER SAVINGS IN HEALTHCARE FACILITIES

The purchase cost of a DELABIE mixer can be covered by the water savings achieved

A comparison between a domestic mixer at 9 lpm, a DELABIE mixer at 5 lpm and a DELABIE electronic mixer at 4 lpm. The price per m^3 of mixed water in France: €11.5 incl. VAT.

Water savings achieved in a 400 bed hospital (patient rooms)	Conventional mixers	DELABIE mixers	DELABIE electronic mixers
Number of beds	400	400	400
Points-of-use for hand washing	BASIN	BASIN	BASIN
Average length of flow/day/bed	20 min.	20 min.	7.5 min.
Number of days used/year	290	290	290
Mixer consumption in lpm	**9**	**5**	**4**
Annual consumption in m^3	**20,880m^3**	**11,600m^3**	**3,480m^3**
Annual consumption in €	**€240,120**	**€133,400**	**€40,020**
Annual consumption per mixer in €	**€600**	**€333**	**€100**
Annual saving incl. VAT		**€106,720**	**€200,100**


DELABIE

Anti-Legionella and all-germ point-of-use filters

TAP & WALL SHOWER FILTERS
23



SHOWER HEAD FILTERS
24



SPOUT FILTERS
25





BIOFIL filter for mixers and taps



BIOFIL spout filter for BIOCLIP mixers and taps



BIOFIL shower head filter



BIOFIL filter for wall-mounted showers

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 spp., 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 (e.g. hotels and holiday accommodation, campsites, detention centres, etc.) and not just healthcare facilities.
The HSE Approved Code of Practice and Guidance (ACOP) document L8 states that duty holders should identify and assess sources of risk of exposure to Legionella; put in place precautions to prevent or control that risk; and monitor these measures to ensure that they remain effective. This applies in all circumstances where the Health and Safety at Work Act 1974 applies.

The prevention of health risks associated with pathogenic bacteria in water systems should be a constant concern for public buildings, and in particular Healthcare Facilities (see the current guidance opposite).

The BIOFIL range of point-of-use filters provides a preventative or curative solution to secure the water quality at the point-of-use and protect the health of the user.

CURRENT GUIDANCE

HSE guidance HSG274 Part 2 (2014) and DHSC Health Technical Memorandum (HTM) 04-01 Part B (2016) provide guidance for the control of Legionella in hot and cold water systems and on providing safe water in healthcare premises respectively
Point-of-use filters prevent the discharge of planktonic *Legionella* from the tap and shower outlets and may be used to provide water free of *P. aeruginosa*.
They should be used primarily as a temporary measure until a permanent, safe engineering solution is developed, although long-term use of such filters may be needed in some healthcare situations.
They may also be considered where a high level of disinfection of water systems may dislodge biofilm.
Point-of-use micro-filters with a 0.2µm membrane constitute a means for removing *Legionella* and *Pseudomonas aeruginosa* in water drawn off from the system.

HTM 04-01 Part C (2016) provides advice on managing *Pseudomonas aeruginosa* in augmented care units
For direct contact with augmented care patients, water of a known satisfactory quality should be used, that is, either: water where testing has shown absence of *P. aeruginosa*; or water supplied through a POU filter; or sterile water (for example, for skin contact for babies in neonatal intensive care units).

HSG274 Part 2 states that monitoring for Legionella should be carried out:
- when water is treated with biocides and 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.

When a sample identifies a Legionella count above 100 CFU/Litre (Colony Forming Unit) an immediate review of the control measures and risk assessment should be carried out to identify any remedial action required. Disinfection of the system should also be considered.
Point-of-use micro-filters are a means to restore the bacteriological quality of water at the point-of-use (anti-Legionella and all-germ tap filters and shower heads, etc.).

ANTI-LEGIONELLA AND ALL-GERM RANGE OF BIOFIL FILTERS

DELABIE offers a collection of BIOFIL water filtering devices: tap or wall-mounted shower filters, shower head filters and spout filters
BIOFIL filters are designed to deliver bacteriologically controlled water at the point-of-use.
These devices retain bacteria, including waterborne opportunistic pathogenic microorganisms such as *Legionella spp., Legionella pneumophila, Pseudomonas aeruginosa,* non-tuberculous *Mycobacteria* and other microorganisms, thanks to a hollow fibre microfiltration membrane with a porosity of 0.1µm nominal-rated. This microfiltration technology guarantees a bacteriological quality superior to that of the drinking water system without changing its chemical composition.

BIOFIL filters are designed to secure water delivery at the point-of-use.
They are recommended for managing and preventing so-called healthcare associated infections (HCAIs).

AREAS OF USE

Anti-Legionella and all-germ filters
BIOFIL 2, 3 & 4-month point-of-use filters provide a physical barrier to reduce the risk of infection associated with waterborne microorganisms.
The microfiltration membrane provides protection for immunosuppressed and vulnerable people.

Filters are necessary for the care of immunosuppressed patients in high risk areas such as bone marrow and organ transplant units, oncology, intensive care, neonatal wards and any other area providing care for this type of patient.
They also provide protection against the risk of Legionella and ensure compliance with regulations for users of public buildings.

NO CHEMICAL PRODUCTS

No chemical products are used during the manufacture of our filters

MANUFACTURING PROCESS IS MONITORED CONSTANTLY

100% quality controlled
The fibre quality and porosity of the finished product are continuously monitored during the manufacturing process for 100% of the fibres.

COMPONENT DISPOSAL STRATEGY

BIOFIL filters are classified as household waste.
The outer packaging is made from recycled cardboard which is also fully recyclable.

HOLLOW FIBRE, AN INNOVATIVE, TECHNICAL SOLUTION

Hollow fibre microfiltration
There are two main types of membrane used in point-of-use microfiltration devices: flat membrane or hollow fibre membrane.
DELABIE chose to use the hollow fibre tubular membrane filtration technology.

THE PRINCIPLE OF HOLLOW FIBRE FILTRATION

Hollow fibre filter
The BIOFIL filter is made up of a collection of polyethylene hollow fibres grouped together into a unit. The fibres are extremely fine and flexible, with an outer diameter of 0.6mm and a thickness of several tens of microns.

The fibres are hollow and shaped like a straw (tubular).

Microporous structure
The hollow fibre membranes have multiple pores which vary in size from 0.01 - 0.1 micron.
Each membrane consists of several surfaces with microporous structures (micro slits).

Bacteria and any particles in suspension that are larger than 0.1 micron are trapped by these structures and are retained permanently on the external surface of the membrane.

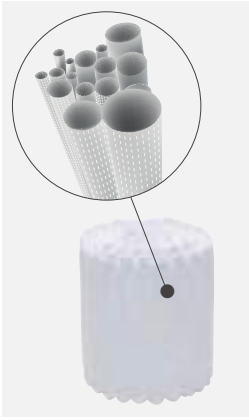
External/Internal frontal filtration
DELABIE uses a frontal filtration system.
The water requiring treatment flows at right angles to the filter surface and passes through the membrane due to the pressure difference on either side of the membrane.

The water flows from the external to the internal surface of the fibre.

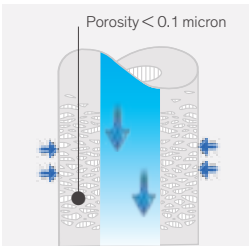
Bacteria and other microparticles that cannot pass through the gaps in the membrane structure are retained on the outer surface and therefore do not penetrate the membrane.

Filtration area/storage of bacteria
The filter's large hollow-fibre filtration surface area makes it possible to filter a larger volume of water.

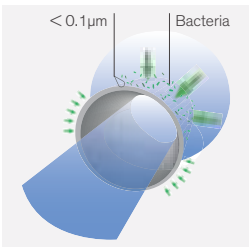
Consequently the storage capacity for bacteria and impurities trapped inside the filter is much greater.



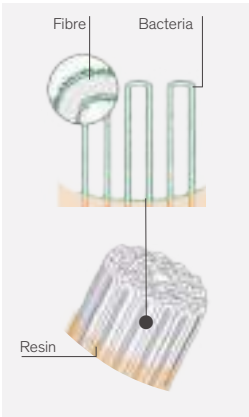
Hollow fibre membrane



Microporous structure



External/internal frontal filtration



Large filtration area
Optimised bacteria storage



Bacteriologically controlled water



Section of the BIOFIL tap filter



Maximum lifespan



Tilted to optimise the position of the tap filter

CE

CE marked class I Medical Devices for non-sterile filters
CE marked class Is Medical Devices for sterile filters

BACTERIAL CHALLENGE

BIOFIL filters are approved using the ASTM F838* method.
This test confirms the effective bacterial retention power of the filters used for the decontamination of liquids.

The microbiological challenges carried out on BIOFIL filters in laboratories using the species *Brevundimonas diminuta, Legionella pneumophila and Pseudomonas aeruginosa* demonstrate a retention efficiency of 7 log for all waterborne microorganisms which are larger than the filter pores which have a nominal porosity rating of 0.1µm and absolute porosity rating of 0.2µm.

When subjected to this test, all BIOFIL filters delivered an effluent free from bacteria, so they have a sterilising grade of 0.1 micron nominal-rated.

* Standard Test Method for Determining Retention of Membrane Filters Utilized for Liquid Filtration.

LIFESPAN

BIOFIL anti-Legionella and all-germ filters can be used for up to 4 months after initial installation (depending on the model installed).
After the time period marked on the filter (2, 3 or 4 months), DELABIE recommends changing the filter to avoid any risk of retro-contamination from the bacteria concentrated in the filter especially in at-risk areas.

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 to filter out suspended solids and/or colloids, etc.

Bacterial proliferation is significantly reduced in an installation where the water is pre-filtered, and the lifespan of all equipment is greatly increased.

RESISTANT TO DIFFERENT WATER SYSTEM TREATMENTS

BIOFIL filters will withstand thermal and chemical shocks. During chemical or thermal shocks, impurities become 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 the filter lifetime.

Resistance to chemical shocks:
Chlorine levels for 2-month filters: 2 hours at 100ppm; 3-month filters: 3 hours at 100ppm; and 4-month filters: 4 hours at 100ppm.

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.

Individual packet label
All BIOFIL filters have a unique batch number which can be easily traced back through the production process.



Double labelling on the filter
All 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, the other can be removed and transferred to the record log, ensuring traceability.



COMPLIANCE

CE marked class I Medical Devices
BIOFIL non-sterile filters comply with the European Regulation EU 2017/745 and benefit from the CE Mark.

CE marked class Is Medical Devices
BIOFIL sterile filters comply with the European Regulation EU 2017/745 and benefit from the CE Mark.

Sterilisation complies with European standard EN ISO 11137
After manufacture, BIOFIL sterile filters are sterilised using gamma rays. Each box has a visual marker showing that the filters have been sterilised.
After sterilisation, BIOFIL filters have a shelf life of 3 years. The product expiry date is marked on the label.

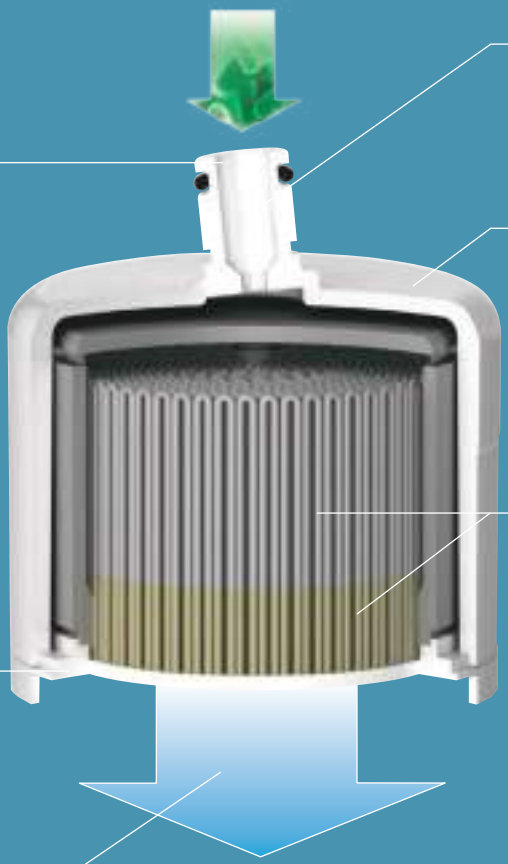
Certificate of sanitary compliance
All BIOFIL filters comply with the CPDW directive and the Order of 29 May 1997, as amended, and the French Ministry of Health Circular DGS/SD7A2002 no. 571 of 25 November 2002.

WRAS
Our BIOFIL filters are WRAS approved. WRAS Approval demonstrates that a product complies with the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws. The WRAS approval standard is accepted as a quality benchmark by water suppliers who enforce the Water Regulations and Byelaws.

EASY TO INSTALL
- **Tap or wall-mounted shower filters:** simply connect to the outlet requiring treatment, no tools required, **using push-fit connectors**
- **Shower heads: can be screwed onto any** standard shower hose

TILTED CONNECTOR
Optimises filter position: reduced risk of retro-contamination

SPACE SAVING
- **Suitable for mixers and taps with a low drop height**
- **Reduced risk of retro-contamination**



SUPERIOR PERFORMANCE
- **Very large filtration area:** higher volume of filtered water than with a flat membrane filter
- **Completely effective and reliable** with drinking water of any quality
- **Reduced risk of premature clogging:** large capacity to store bacteria inside the filter
- **Filter lifespan** up to 4 months

PROTECTIVE SKIRT
Filter outlet protected from any contamination by hand

TOTAL PROTECTION
Bacteriologically controlled water: hollow-fibre membrane with a water filtration threshold of 0.1µm nominal-rated and 0.2µm absolute-rated

SPOUT FILTER
- **No additional space required:** drop height maintained
- **Removes the spout as a potential contaminant**



EASY TO INSTALL
Suitable for mixers and taps with a removable BIOCLIP spout, no tools required

: Water flow through the filter

Displayed models: BIOFIL tap filter (ref. 30250) and BIOFIL spout filter (ref. 30040)



Mechanical basin mixer **2565T1 -** BIOFIL 2-month anti-Legionella and all-germ tap filter **30250 -** Push-fit connector M24×100 **820124N**

BIOFIL tap and wall-mounted shower filter

Anti-Legionella and all-germ filter



- Single use filter for taps or wall-mounted showers, sterilising grade **0.1µm nominal-rated.**
- Hydrophilic polyethylene hollow fibres.
- Maximum lifespan: **2, 3 or 4 months** after installation depending on the model installed.
- **Space saving,** suitable for mixers and taps with a low drop height.
- Volume of water filtered per duration of use: 6,000L for 2 months; 9,000L for 3 months; 12,000L for 4 months.
- Filtration flow rate: 5.5 lpm* at 3 bar for 2-month versions; 7.6 lpm* at 3 bar for 3 and 4-month versions (filter only, excludes any flow rate restrictor/regulator in the shower or mixer).
- Maximum upstream pressure at point-of-use: 5 bar.
- Careful management of retro-contamination: **protective skirt** and filter position is optimised thanks to a **tilted connector.**
- Compatible with and resistant to chemical and thermal shocks.
- **CE marked class I Medical Device** for non-sterile versions.
- **CE marked class Is Medical Device** for sterile versions.
- **Available in two versions:**
  - **sterile filters,** individually wrapped in sterile packaging.
  - **non-sterile filters,** individually wrapped in non-sterile packaging.

* Average flow rate during the product lifespan.



Tilted connector to optimise filter position:

Filter position can be adjusted to prevent the water flowing directly onto the waste.

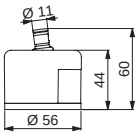
Reduces the risk of retro-contamination.



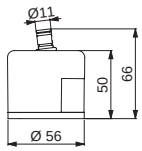
shower spray



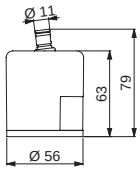
laminar flow



20250/30250
20251/30251



20350/30350
20351/30351



20450/30450
20451/30451

1 BIOFIL tap or wall-mounted shower filter*	
2-month lifespan	
Sterile, shower spray	**20250**
Sterile, laminar flow	**20251**
Non-sterile, shower spray	**30250**
Non-sterile, laminar flow	**30251**
3-month lifespan	
Sterile, shower spray	**20350**
Sterile, laminar flow	**20351**
Non-sterile, shower spray	**30350**
Non-sterile, laminar flow	**30351**
4-month lifespan	
Sterile, shower spray	**20450**
Sterile, laminar flow	**20451**
Non-sterile, shower spray	**30450**
Non-sterile, laminar flow	**30451**

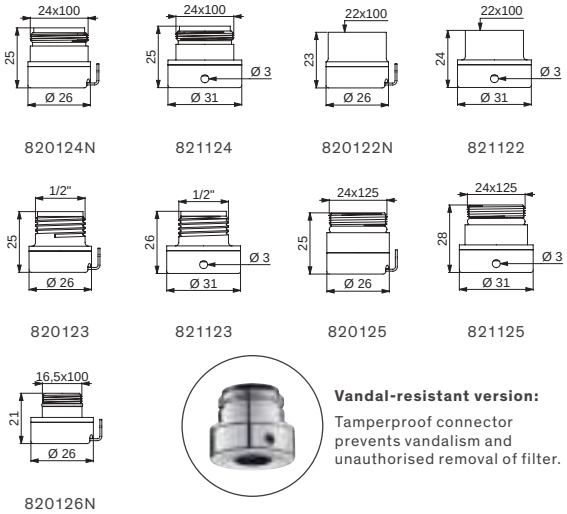
* Reference is for a single unit. Can only be ordered in multiples of 10 (packaged in boxes of 10).

Related products



Push-fit connector

- Simple to connect to the point-of-use requiring treatment, no tools required.
- Standard or vandal-resistant versions available.



Vandal-resistant version:

Tamperproof connector prevents vandalism and unauthorised removal of filter.

Push-fit connector for mixer/tap filters	
M24×100	**820124N**
M24×100, vandal-resistant version	**821124**
F22×100	**820122N**
F22×100, vandal-resistant version	**821122**
M½"	**820123**
M½", vandal-resistant version	**821123**
M16.5×100	**820126N**
Push-fit connector for wall-mounted shower filters	
M24×125	**820125**
M24×125, vandal-resistant version	**821125**

These connectors are suitable for use with the new range of filters shown opposite.

BIOFIL shower head filter

Anti-Legionella and all-germ filter

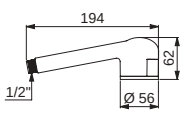


- Single use shower head filter, sterilising grade **0.1µm nominal-rated.**
- **Quick to install: screws on to all standard shower hoses.**
- Hydrophilic polyethylene hollow fibres.
- Maximum lifespan: **2, 3 or 4 months** after installation depending on the model installed.
- Volume of water filtered per duration of use: 6,000L for 2 months; 9,000L for 3 months; 12,000L for 4 months.
- Filtration flow rate: 11.2 - 11.8 lpm* at 3 bar depending on the model (filter only, excludes any flow rate restrictor/regulator in the shower).
- Maximum upstream pressure at point-of-use: 5 bar.
- Compatible with and resistant to chemical and thermal shocks.
- **CE marked class I Medical Device** for non-sterile versions.
- **CE marked class Is Medical Device** for sterile versions.
- **Available in two versions:**
  - **sterile filters,** individually wrapped in sterile packaging.
  - **non-sterile filters,** individually wrapped in non-sterile packaging.
- **Very light hand spray:**
  - 2-month version: empty filter: 105g; filter filled with water: 186g.
  - 3 & 4-month versions: empty filter: 133g; filled with water 253g.

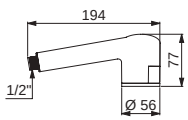
* Average flow rate during the product lifespan.



shower spray



20261/30261



20361/30361/20461/30461

1 BIOFIL shower head filter*	
2-month lifespan	
Sterile	**20261**
Non-sterile	**30261**
3-month lifespan	
Sterile	**20361**
Non-sterile	**30361**
4-month lifespan	
Sterile	**20461**
Non-sterile	**30461**

***** Reference is for a single unit. Can only be ordered in multiples of 10 (packaged in boxes of 10).



BIOFIL spout filter

Anti-Legionella and all-germ filter

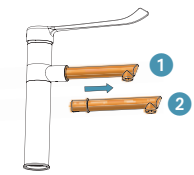


- Single use spout filter, sterilising grade **0.1µm nominal-rated.**
- **Can be installed instead of BIOCLIP spouts** (does not require tools or the water to be shut off).
- Hydrophilic polyethylene hollow fibres.
- Maximum lifespan: **2 months** after installation.
- Qualified water volume per duration of use: 6,000L.
- Filtration flow rate: 6 lpm* at 3 bar (filter only, excludes any flow rate restrictor/regulator in the mixer).
- Maximum upstream pressure at point-of-use: 5 bar.
- Compatible with and resistant to chemical and thermal shocks.
- **Available in two versions:**
  - **sterile filters,** individually wrapped in sterile packaging.
  - **non-sterile filters,** individually wrapped in non-sterile packaging.

* Average flow rate during the product lifespan.



20040/30040



Quick and easy to install:

1. Pull the BIOFIL spout towards you to remove it.
2. Insert another spout filter in its place

1 BIOFIL spout filter*	
2-month lifespan	
Sterile	**20040**
Non-sterile	**30040**

***** Reference is for a single unit. Can only be ordered in multiples of 10 (packaged in boxes of 10).


DELABIE

Mixers & taps for washbasins

ELECTRONIC CONTROLS
30



THERMOSTATIC, PRESSURE-BALANCING OR CERAMIC MIXERS
40



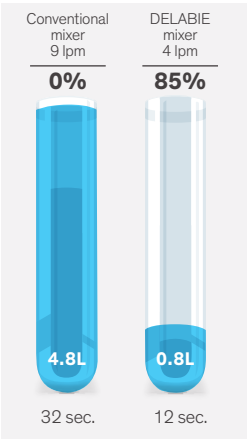




Reduced-stagnation solenoid valve



No manual contact



Water savings per use



BIOSAFE: INFECTION CONTROL

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, unoccupied rooms, 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.

85% 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).
- **Regulated flow rate**
  Some of DELABIE's electronic mixers and taps are regulated at 4 lpm. The other electronic mixers and taps are, however, regulated at 3 lpm.
  The flow rate remains constant regardless of pressure variations in the system.
  The flow rate can be adjusted from 1.4 lpm *(see Environmental labels)* to 6 lpm.

Energy savings
The electronic mixers and taps do not require much energy to operate. For battery-operated models, DELABIE has chosen infrared active pulse technology, a low-power consumption solution.
The infrared beam is emitted intermittently, saving energy while ensuring effective detection.
Battery-operated 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 or HQE.
For more information see page 213.

SPECIFICALLY DESIGNED

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 and 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 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 4 and TEMPOMATIC 5 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.
    The batteries are directly accessed through the head of the tap (TEMPOMATIC 4), or via a battery pack attached to the flexibles (TEMPOMATIC 5).
  - **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

30-year warranty against any manufacturing defects.
50 years repairability.



SENSOR AT THE END OF THE SPOUT
Hands can be detected in any position

6V LITHIUM BATTERIES
Average lifespan 3 - 6 years (~350,000 cycles).
Replace without removing the mixer/tap or shutting off the water.

INFRARED ACTIVE PULSE
Reliable presence detection

INTEGRATED ELECTRONIC UNIT PROTECTED BY A WATERPROOF CAP
Easy to maintain

REDUCED-STAGNATION SOLENOID VALVE
(patented)
Reduces build-up of dirt and bacterial development.
Slow closure with no water hammer

DIRECT ACCESS TO BATTERIES AND SOLENOID VALVE
Easy to maintain

MAXIMUM TEMPERATURE LIMITER CAN BE ADJUSTED
Anti-scalding safety

SCALE-RESISTANT FLOW STRAIGHTENER
Minimal servicing

ADJUSTABLE 3 LPM FLOW RATE
Water savings

PROGRESSIVE TEMPERATURE CONTROL LEVER
Improved comfort

Featured product: TEMPOMATIC MIX 4 electronic battery-operated mixer (ref. 490006)

TEMPOMATIC MIX

Electronic mains or battery-operated mixer with swivelling spout



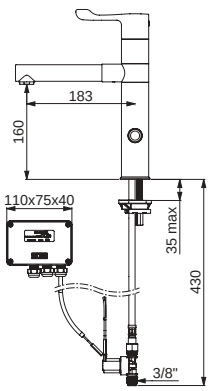
- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **CR123 6V Lithium batteries.**
- BIOCLIP models supplied with either **2 removable stainless steel spouts** or **1 disposable Hostaform® spout.**
- **Body and spout with smooth interiors** (reduces bacterial development).
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate limited to 5 lpm at 3 bar.
- Shock-resistant infrared presence detection sensor.
- Chrome-plated brass body with fixing reinforced by 2 stainless steel rods.
- Hygiene lever L. 100mm controls temperature.
- PEX flexibles with filters and solenoid valves M⅜".
- Anti-blocking security.
- Solenoid valves are upstream of the mixing chamber.
- Suitable for people with reduced mobility.
- 30-year warranty.

Two shut-off options on mains supply 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.

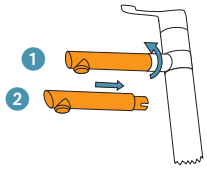
Pro tip: in ON/OFF mode position the sensor on the side of the mixer.

TEMPOMATIC MIX mixer with swivelling spout	
NON BIOCLIP mixer H. 160mm L. 165mm	
Mains supply	**20164T1**
Battery-operated	**20464T1**
BIOCLIP mixer with stainless steel spout H. 160mm L. 183mm	
Mains supply	**20870T1**
BIOCLIP mixer with disposable spout H. 160mm L. 180mm	
Mains supply	**20871T1**

Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*, stainless steel or disposable spout or BIOFIL spout filters *(see page 56)*



20870T1



To replace a removable spout with a BIOFIL filter:

1. Either pull the disposable spout or turn the stainless steel spout through 90° clockwise then pull it towards you to remove it.
2. Insert the BIOFIL spout and turn it through 90° anti-clockwise.

BINOPTIC

Electronic mixer and tap, mains supply or battery-operated



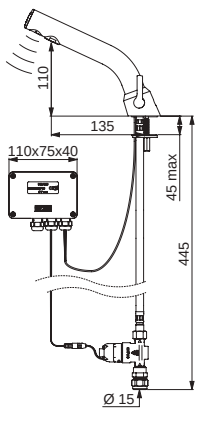
- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **CR123 6V Lithium batteries.**
- **Scale-resistant flow straightener.**
- **Spout with smooth interior and low water volume** (reduces bacterial development).
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- 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.
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.



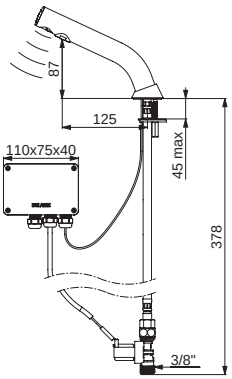
Standard lever

	M⅜"	Ø15mm for comp. fittings (UK/Ireland)
BINOPTIC MIX mixer		
Mains supply	**378MCH**	**378MCH15**
Battery-operated	**478MCH**	**478MCH15**
BINOPTIC tap		
Mains supply	**378015**	**37801515**
Battery-operated	**478015**	**47801515**

We recommend installing a TMV for taps *(see page 103)*



478MCH15



378015



TEMPOMATIC MIX 2 electronic mixer **494006 -** Electronic liquid soap dispenser **512066W -** Paper towel dispenser **6602**

TEMPOMATIC 2

Electronic mixer and tap, mains supply or battery-operated



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **CR123 6V Lithium battery.**
- **Scale-resistant flow straightener.**
- **Adjustable duty flush**
  (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate pre-set at 4 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- 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.
- Suitable for people with reduced mobility.
- 30-year warranty.

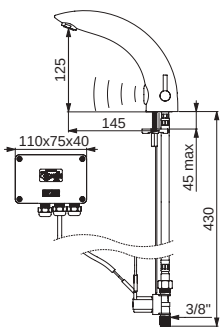
On mixers:
- Side temperature control with adjustable maximum temperature limiter.
- Solenoid valves are upstream of the mixing chamber.



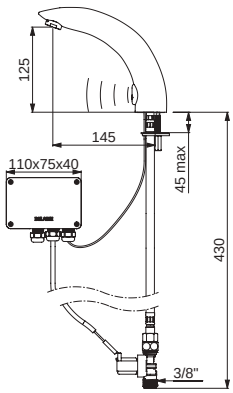
Standard lever

	M⅜"
TEMPOMATIC MIX 2 mixer	
Mains supply	**494000**
Battery-operated	**494006**
TEMPOMATIC 2 tap	
Mains supply	**444000**

We recommend installing a TMV for taps *(see page 103)*



494000



444000

TEMPOMATIC 4

Electronic mixer and tap, mains supply or battery-operated



- **230/6V mains supply** or **integrated CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer/tap.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- 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 on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.



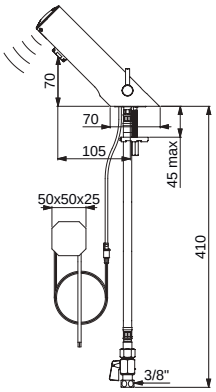
Standard lever



Long lever

	F⅜" with stopcock	F⅜" without stopcock	F⅜" DZR LEAD FREE	Ø15mm for comp. fittings (UK/Ireland)
TEMPOMATIC MIX 4 mixer				
Recessed mains supply	**490000**	**490100**	**490100AS**	**49000015**
Plug-in mains supply	**490001**	**490101**	**-**	**49000115**
6V Lithium battery-operated	**490006**	**490106**	**490106AS**	**49000615**
TEMPOMATIC 4 tap				
Recessed mains supply	**440000**	**440100**	**440100AS**	**44000015**
Plug-in mains supply	**-**	**440101**	**-**	**-**
6V Lithium battery-operated	**440006**	**440106**	**440106AS**	**44000615**

We recommend installing a TMV for taps *(see page 103)*
Option: for long lever, please add "LH" after the reference
For compression fittings with copper tails, please add "CO" after the reference.



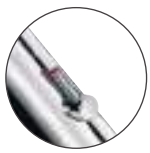
490000

TEMPOMATIC 5

Electronic mixer and tap, mains supply or battery-operated



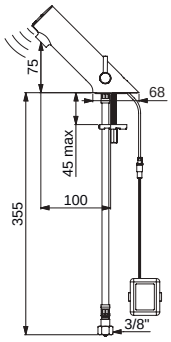
- **230/6V mains supply** or **integrated CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer/tap.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Chrome-plated metal body.
- 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 on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.



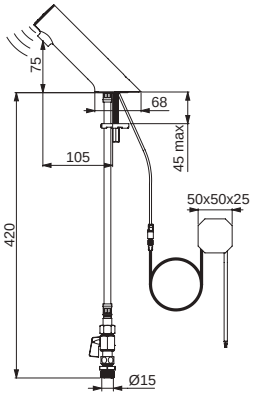
Standard lever

	F⅜" with stopcock	F⅜" without stopcock	Ø15mm for comp. fittings (UK/Ireland)
TEMPOMATIC MIX 5 mixer			
Recessed mains supply	**499000**	**499100**	**49900015**
Plug-in mains supply	**499001**	**499101**	**-**
6V Lithium battery-operated	**499006**	**499106**	**49900615**
TEMPOMATIC 5 tap			
Recessed mains supply	**449000**	**449100**	**44900015**
Plug-in mains supply	**449001**	**449101**	**-**
6V Lithium battery-operated	**449006**	**449106**	**44900615**

We recommend installing a TMV for taps *(see page 103)*



499106



44900015



Sequential thermostatic basin mixer **H9600 -** Tilting mirror **510202P -** MINERALCAST PMR washbasin **132306**

ANTI-SCALDING SAFETY

Maximum temperature limiter
All DELABIE's mixers are supplied with a pre-set maximum temperature limiter. The user cannot increase the temperature above the maximum set temperature, reducing the risk of scalding.

Automatic anti-scalding failsafe
- **SECURITHERM thermostatic technology** ensures immediate hot water (HW) shut-off if the cold water (CW) supply fails. If the CW supply fails, the European standard EN 1111 allows a slight leak of HW (0.20L/5 seconds).
  With DELABIE's thermostatic mixers the HW shut-off is complete (with no trickle of water).
  If the HW supply fails, DELABIE's SECURITHERM mixers also shut off the CW supply.
- **SECURITHERM pressure-balancing technology,** known as EP, ensures instant and automatic safety. If the CW supply fails, the HW flow rate is reduced, removing the risk of scalding for the user.
  If the HW supply fails, the CW flow rate is likewise reduced.

Securitouch technology
Securitouch technology provides increased safety for superior comfort.
The whole mechanism on certain models is insulated, preventing any risk of burns when touching the mixer.
For more information see page 13.

COMFORT

Temperature stability
- **SECURITHERM thermostatic mixers** ensure stable temperatures regardless of pressure and flow rate variations in the system. They respond immediately to any changes.
- **SECURITHERM EP mixers** compensate for the variations in CW and HW pressure at the inlets. They ensure that the water temperature at the outlet remains stable for the user, removing the risk of scalding. *For more information see page 12.*
- **DELABIE's mechanical mixers** are fitted with an exclusive solution which effectively reduces temperature variations if there are pressure variations in the system.

  However, these mechanical mixers do not have the precision of thermostatic or EP mixers and they are not fitted with automatic anti-scalding safety. They provide an intermediate economic solution.

Reduced risk of Hot Water/Cold Water cross flow
On the new generation of DELABIE's mechanical mixers, the HW can only flow back into the CW supply (or vice versa) if the pressure differential between the inlets is greater than 1 bar.
Therefore, the risk of cross flow between the HW and CW is very small, unlike other mixers.
As a result, the risk of bacterial proliferation is reduced.
Moreover, this solution removes the need for non-return valves to be installed.

BIOSAFE: INFECTION CONTROL

BIOCLIP removable mixers for cleaning/disinfection
Since they are in contact with water, the internal surfaces of mixers and taps are exposed to bacterial proliferation.
The mixers in the BIOCLIP range provide simple solutions to fight against the spread of germs inside and on the outside of mixers and taps, and against the spread of infectious bacteria by hand.
They allow the interior to be cleaned completely - the only way to remove biofilm effectively - and an easy way to disinfect the mixer, for preventative or curative reasons, to fight against bacterial development effectively.

Body with smooth interior
Most mixers and taps have bodies and spouts with rough interiors. As a result, they provide niches where bacteria can adhere.
All the internal parts of the body, including the spout, for the majority of DELABIE's mixers & taps for basins are completely smooth, reducing biofilm attachment and making it easier to treat.
For more information see page 10.

Low volume of standing water in the body
The majority of DELABIE's mixers have been specifically designed to reduce the volume of standing water in the body and thus significantly reduce the risk of bacterial development. In effect, water flows from the inlets to the cartridge via narrow tubes which can only hold a limited volume of water.
The risk of bacterial proliferation is reduced.

WATER AND ENERGY SAVINGS

The majority of DELABIE's basin mixers are fitted with flow rate limiters set at 4 or 5 lpm at 3 bar.
They offer significant water and energy savings while guaranteeing optimal comfort for the user.

30-year warranty against any manufacturing defects.
50 years repairability.

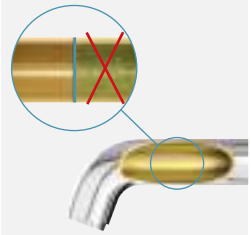




Maximum temperature limiter is engaged



Temperature stability

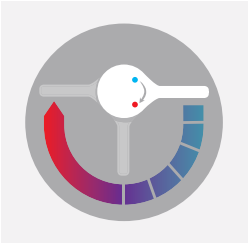


Body with smooth interior



BIOSAFE spout outlet



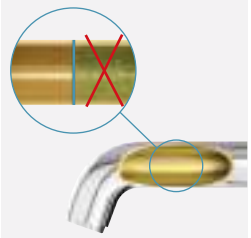


Sequential control to open/close





Removable mixer



Body with smooth interior

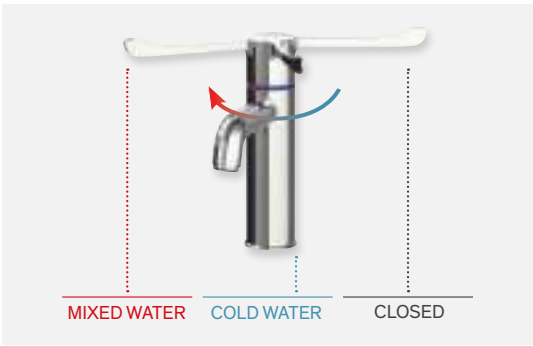


SEQUENTIAL MIXERS: TECHNOLOGY AND FUNCTIONALITY AT THE SERVICE OF HEALTHCARE FACILITIES

Improved ergonomics and functionality
The new generation of DELABIE's thermostatic mixers is sequential: the same lateral movement, over a 180° range, opens the water flow and adjusts the temperature.

Opens and closes with cold water
SECURITHERM sequential mixers open and close with cold water for increased anti-scalding safety.

Cold water
Opening with cold water, without any passage of hot water, ensures the supply of only cold water if required (exclusive to DELABIE).



Sequential: opens and closes with cold water

BIOSAFE: infection control
HW/CW cross flow is impossible
DELABIE has developed a unique system that enables sequential thermostatic mixers to shut off the Hot Water and Cold Water directly at the inlets, making non-return valves completely redundant.
Cross flow between the HW and CW is impossible.
This reduces the risk of bacterial proliferation considerably. *For more information see page 11.*

Low volume of standing water in the body
Sequential thermostatic mixers have just one mechanism instead of two like dual control models.
As a result, fewer components are in contact with the water and there is less standing water in the mixer.
The risk of bacterial development is reduced.

Automatic anti-scalding failsafe
SECURITHERM thermostatic technology ensures immediate hot water shut-off if the cold water supply fails. If the cold water supply fails, the European standard EN 1111 allows a slight leak of hot water (0.20L/5 seconds).
With DELABIE's thermostatic mixers, the hot water shut-off is complete (with no trickle of water).
If the hot water supply fails, DELABIE's SECURITHERM mixers also shut off the cold water supply.

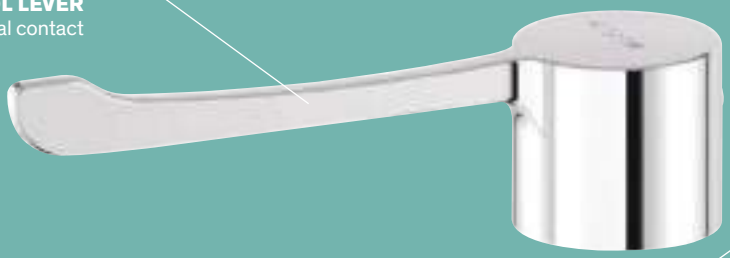
Thermal shock feature
With SECURITHERM sequential thermostatic mixers, it is possible to undertake thermal shocks at the temperature of the hot water in the system.
Simply remove the control lever to override the temperature limiter.

Comfort and ergonomics
SECURITHERM sequential thermostatic mixers ensure stable temperatures regardless of pressure and flow rate variations in the system. They respond immediately to any changes.

Ergonomic controls
are easy to operate, and are suitable for hospital patients, the elderly or disabled people.

30-year warranty against any manufacturing defects.
50 years repairability.

ERGONOMIC HYGIENE CONTROL LEVER
No manual contact



SEQUENTIAL CONTROL TO OPEN/CLOSE
Improved ergonomics and functionality

MAXIMUM TEMPERATURE LIMITER
Anti-scalding failsafe

SECURITHERM THERMOSTATIC MIXER
Temperature stability
HW supply shuts off automatically if CW supply fails



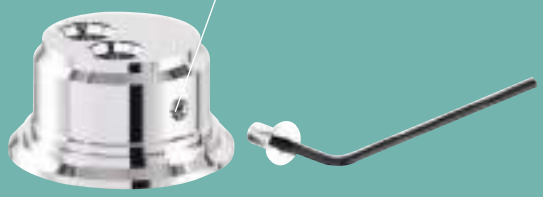
CARTRIDGE AND BODY WITH LOW WATER VOLUME
Infection control

BODY AND SPOUT WITH SMOOTH INTERIORS
Infection control



SECURITOUCH TECHNOLOGY
Total thermal insulation

BIOCLIP REMOVABLE MIXER
Easy to clean/disinfect the mixer



Featured product: BIOCLIP sequential thermostatic basin mixer (ref. H9605)

SECURITHERM BIOCLIP mixer H. 95mm

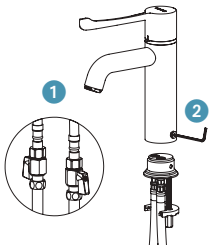
Removable sequential thermostatic mixer, smooth interior



- **Sequential:** opens and closes with cold water *(see page 38)*.
- **No risk of cross flow between hot and cold water.**
  No non-return valves on the inlets.
- **Can be removed entirely** for cleaning/disinfection *(see page 10)*.
- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Spout H. 95mm L. 120mm with hygienic flow straightener.
- Scale-resistant **sequential thermostatic cartridge.**
- Temperature control: cold water up to 40°C.
- Temperature limiter set at 40°C.
- For ref.s H960515, H960515L, H9605610 and H9605610L:
  tested without water to comply with NHS requirements (UK). No pre-set temperature.
- Thermal or chemical shocks are possible.
- **Body and spout with smooth interiors and low water volume**
  (reduces bacterial development).
- Flow rate regulated at 5 lpm.
- No manual contact thanks to Hygiene control lever.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

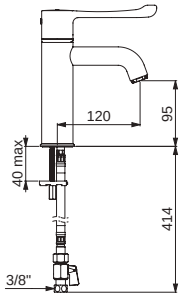


Short lever



How to remove:

1. Shut off the water supply.
2. Unscrew the grub screw to remove the mixer from its fixed base.



H9605

	PEX flexibles F⅜" with stopcocks	PEX flexibles F⅜" without stopcocks	PEX flexibles Ø15mm for comp. fittings with stopcocks (UK/Ireland)	Copper tails Ø15mm for comp. fittings with stopcocks (UK/Ireland)
BIOCLIP thermostatic mixer H. 95mm L. 120mm				
With lever L. 146mm	**H9605**	**H96051**	**H960515***	**H9605610***
With lever L. 100mm	-	-	**H960515L***	**H9605610L***

***To comply with NHS regulation (UK), those references are water-free tested.**
Option: wastes *(see page 99)*

BIOCLIP mixer H. 95mm

Removable mechanical mixer with pressure-balancing or ceramic cartridge, smooth interior



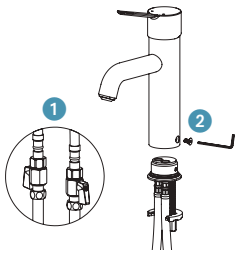
- **Can be removed entirely** for cleaning/disinfection *(see page 10)*.
- Spout H. 95mm L. 120mm with **BIOSAFE hygienic outlet**.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors and low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the cold water supply *(see page 13)*.
- Flow rate regulated at 5 lpm.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



Hygiene lever

On EP pressure-balancing versions:

- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Flow rate limited to 5 lpm at 3 bar.
- Filters and non-return valves.

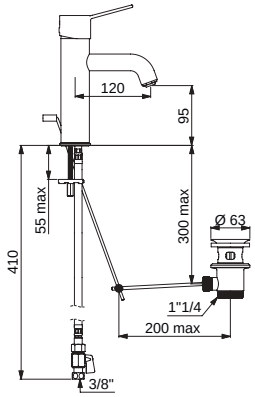


How to remove:

1. Shut off the water supply.
2. Unscrew the grub screw to remove the mixer from its fixed base.

	PEX flexibles F⅜" with stopcocks	PEX flexibles F⅜" without stopcocks	Copper tails Ø15mm for comp. fittings with stopcocks (UK/Ireland)
BIOCLIP mechanical mixer H. 95mm L. 120mm			
With pressure-balancing			
Solid lever, with pop-up waste 1¼" in stainless steel	**2820TEP**	**28201TEP**	-
Solid lever, without waste	**2821TEP**	**28211TEP**	-
Hygiene lever L. 150mm, with pop-up waste 1¼" in stainless steel	**2820LEP**	**28201LEP**	-
Hygiene lever L. 150mm, without waste	**2821LEP**	**28211LEP**	**28216LEP**
With standard ceramic cartridge			
Solid lever, with pop-up waste 1¼" in stainless steel	**2820T**	**28201T**	-
Solid lever, without waste	**2821T**	**28211T**	-
Hygiene lever L. 150mm, with pop-up waste 1¼" in stainless steel	**2820L**	**28201L**	-
Hygiene lever L. 150mm, without waste	**2821L**	**28211L**	**28216L**

Options: wastes for models without pop-up wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*



2820TEP

SECURITHERM mixer H. 95mm

Sequential thermostatic mixer, smooth interior

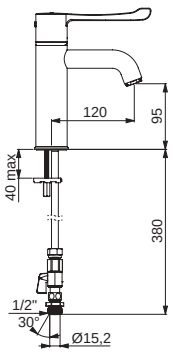




- **Sequential:** opens and closes with cold water *(see page 38)*.
- **No risk of cross flow between hot and cold water.**
  No non-return valves on the inlets.
- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Spout H. 95mm L. 120mm with hygienic flow straightener.
- Scale-resistant **sequential thermostatic cartridge.**
- Temperature control: cold water up to 40°C.
- Temperature limiter set at 40°C.
- For ref.s H960015 and H9605610: tested without water to comply with NHS requirements (UK).
  No pre-set temperature.
- Thermal or chemical shocks are possible.
- **Body and spout with smooth interiors and low water volume** (reduces bacterial development).
- Flow rate regulated at 5 lpm.
- No manual contact thanks to Hygiene control lever L. 146mm.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

	PEX flexibles F⅜" with stopcocks	PEX flexibles F⅜" without stopcocks	PEX flexibles Ø15mm for comp. fittings with stopcocks (UK/Ireland)	Copper tails Ø15mm for comp. fittings with stopcocks (UK/Ireland)
Thermostatic mixer H. 95mm L. 120mm				
Without waste	**H9600**	**H96001**	**H960015***	**H9600610***
With pop-up waste 1¼" in stainless steel	**H9601**	**-**	**-**	**-**

***To comply with NHS regulation (UK), those references are water-free tested.**
Option: wastes for models without pop-up wastes *(see page 99)*



H9600610

Mixer H. 95mm

Mechanical mixer with pressure-balancing or ceramic cartridge, smooth interior



- Spout H. 95mm L. 120mm with **BIOSAFE hygienic outlet**.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors and low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the cold water supply *(see page 13)*.
- Flow rate regulated at 5 lpm.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



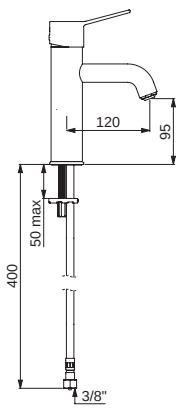
Hygiene lever

On EP pressure-balancing versions:

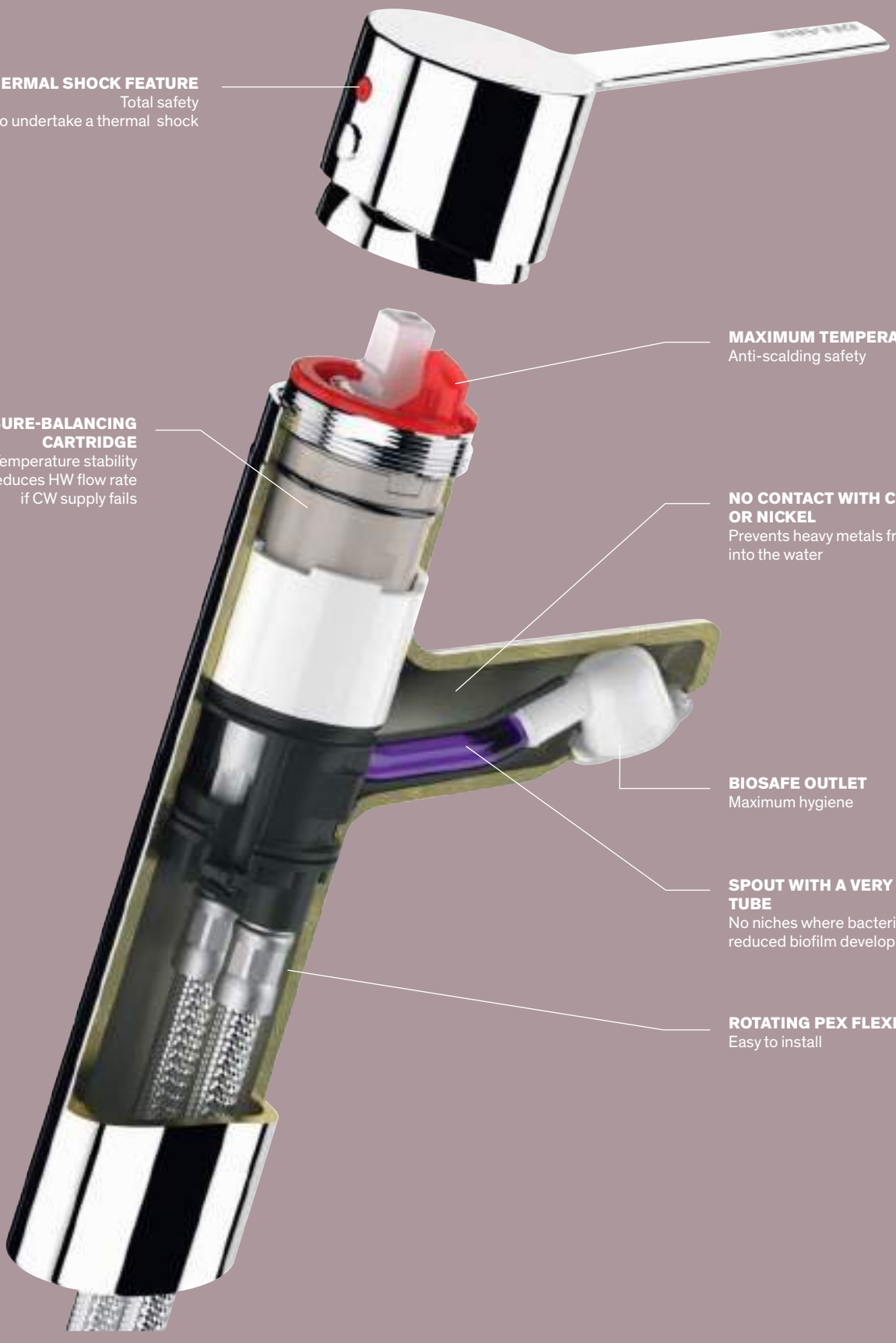
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Flow rate limited to 5 lpm at 3 bar.
- Filters and non-return valves.

	PEX flexibles F⅜"	Copper tails Ø15mm for comp. fittings (UK/Ireland)
Mechanical mixer H. 95mm L. 120mm		
With pressure-balancing		
Solid lever, with pop-up waste 1¼" in stainless steel	**2720TEP**	-
Solid lever, without waste	**2721TEP**	-
Hygiene lever L. 150mm, with pop-up waste 1¼" in stainless steel	**2720LEP**	-
Hygiene lever L. 150mm, without waste	**2721LEP**	**27216LEP**
With standard ceramic cartridge		
Solid lever, with pop-up waste 1¼" in stainless steel	**2720T**	-
Solid lever, without waste	**2721T**	-
Hygiene lever L. 150mm, with pop-up waste 1¼" in stainless steel	**2720L**	-
Hygiene lever L. 150mm, without waste	**2721L**	**27216L**

Options: wastes for models without pop-up wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*



2721T



THERMAL SHOCK FEATURE
Total safety
Easy to undertake a thermal shock

MAXIMUM TEMPERATURE LIMITER
Anti-scalding safety

PRESSURE-BALANCING CARTRIDGE
Temperature stability
Reduces HW flow rate if CW supply fails

NO CONTACT WITH CHROME OR NICKEL
Prevents heavy metals from leaching into the water

BIOSAFE OUTLET
Maximum hygiene

SPOUT WITH A VERY LOW VOLUME TUBE
No niches where bacteria can develop, reduced biofilm development

ROTATING PEX FLEXIBLES
Easy to install

Featured product: SECURITHERM EP BIOSAFE basin mixer (ref. 2921TEP)

2921TEP: NOWHERE FOR BACTERIA TO HIDE!
The mixer that meets all the patients' needs

As with all SECURITHERM EP mixers, the 2921TEP mixer is fitted with a maximum temperature limiter with automatic anti-scalding safety, and it also has the following specific advantages:

Pressure-balancing
The 2921TEP mixer is fitted with a pressure-balancing cartridge.
This technology compensates for the unavoidable variations in pressure in the system (draw off at other outlets in the system, etc.), ensuring that the water temperature at the outlet remains stable.
The EP cartridge also removes the need for pressure regulators upstream of the mixer, which are complex and have large cavities and several membranes which provide additional niches where microbes can develop.

Securitouch technology
The body and mechanism of the 2921TEP mixer have thermal insulation. Hot water flows from the inlets to the cartridge inside flexibles then through a narrow tube. This internal design ensures absence of hot spots.

Thermal shock feature
The 2921TEP mixer allows thermal shocks at the temperature of the Hot Water in the system without removing the control lever or shutting off the Cold Water supply.
To override the temperature limiter, simply press the little red button behind the control lever.
For more information see page 13.

Modern design
The sleek lines of this mixer create a contemporary design without neglecting user comfort. The simple shape of the mixer reduces the build-up of dirt and facilitates cleaning, the fundamentals of hygiene.

BIOSAFE: infection control
Very low water volume in the mixer body
This mixer has been specifically designed to reduce the volume of standing water in the body to a minimum.
Smaller water passages mean that the volume of water in the body of the 2921TEP mixer is significantly reduced so bacterial proliferation is also reduced.

BIOSAFE outlet
This BIOSAFE outlet is made from Hostaform®, its smooth internal surface provides nowhere for impurities or scale to adhere, reducing the emergence and spread of bacteria and germs in damp conditions.

No contact with chrome or nickel
The internal design of the 2921TEP mixer prevents the water from coming into contact with chrome or nickel. Therefore, the water delivered is safer and purer.

Water and energy savings
Fitted with a 5 lpm flow rate regulator, 2921TEP mixers enable water consumption to be considerably reduced whilst still ensuring optimal user comfort.
For more information see page 15.

30-year warranty against any manufacturing defects.
50 years repairability.





Thermal shock feature

The principle of temperature regulation in an EP cartridge



At 38°C: HW 3 bar/CW 3 bar



At 38°C: HW 3 bar/CW 2.5 bar



At 38°C: HW 2.5 bar/CW 3 bar



BIOSAFE spout outlet



Mechanical basin mixer **2921T**

BIOSAFE mixer H. 100mm

Mechanical mixer with pressure-balancing or ceramic cartridge, internal tube with smooth interior

NEW





Thermal shock feature

- Spout H. 100mm L. 110mm with **BIOSAFE hygienic outlet.**
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23).*
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Spout with a tube with a smooth interior and very low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the cold water supply *(see page 13).*
- Flow rate regulated at 5 lpm.
- Rotating F⅜" PEX flexibles.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



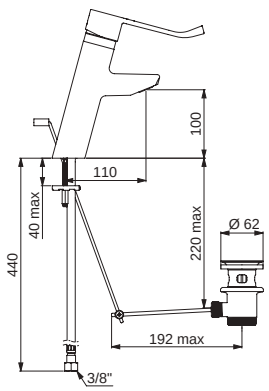
Solid lever

On EP pressure-balancing versions:

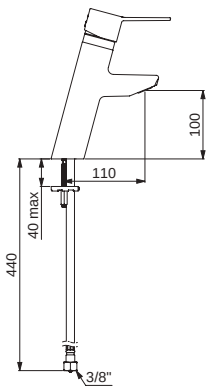
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

BIOSAFE mechanical mixer H. 100mm L. 110mm	
With pressure-balancing	
Solid lever, pop-up waste 1¼" in stainless steel	**2920TEP**
Solid lever, without pop-up waste	**2921TEP**
Hygiene lever L. 150mm, pop-up waste 1¼" in stainless steel	**2920LEP**
Hygiene lever L. 150mm, without pop-up waste	**2921LEP**
With standard ceramic cartridge	
Solid lever, pop-up waste 1¼" in stainless steel	**2920T**
Solid lever, without pop-up waste	**2921T**
Hygiene lever L. 150mm, pop-up waste 1¼" in stainless steel	**2920L**
Hygiene lever L. 150mm, without pop-up waste	**2921L**

Options: wastes for models without pop-up wastes *(see page 99),* BIOFIL tap filters *(see page 23)*



2920L



2921TEP

THERMAL SHOCK FEATURE
Total safety
Easy to undertake a thermal shock



PRESSURE-BALANCING CARTRIDGE
Temperature stability
Reduces HW flow rate if CW supply fails

MAXIMUM TEMPERATURE LIMITER
Anti-scalding safety

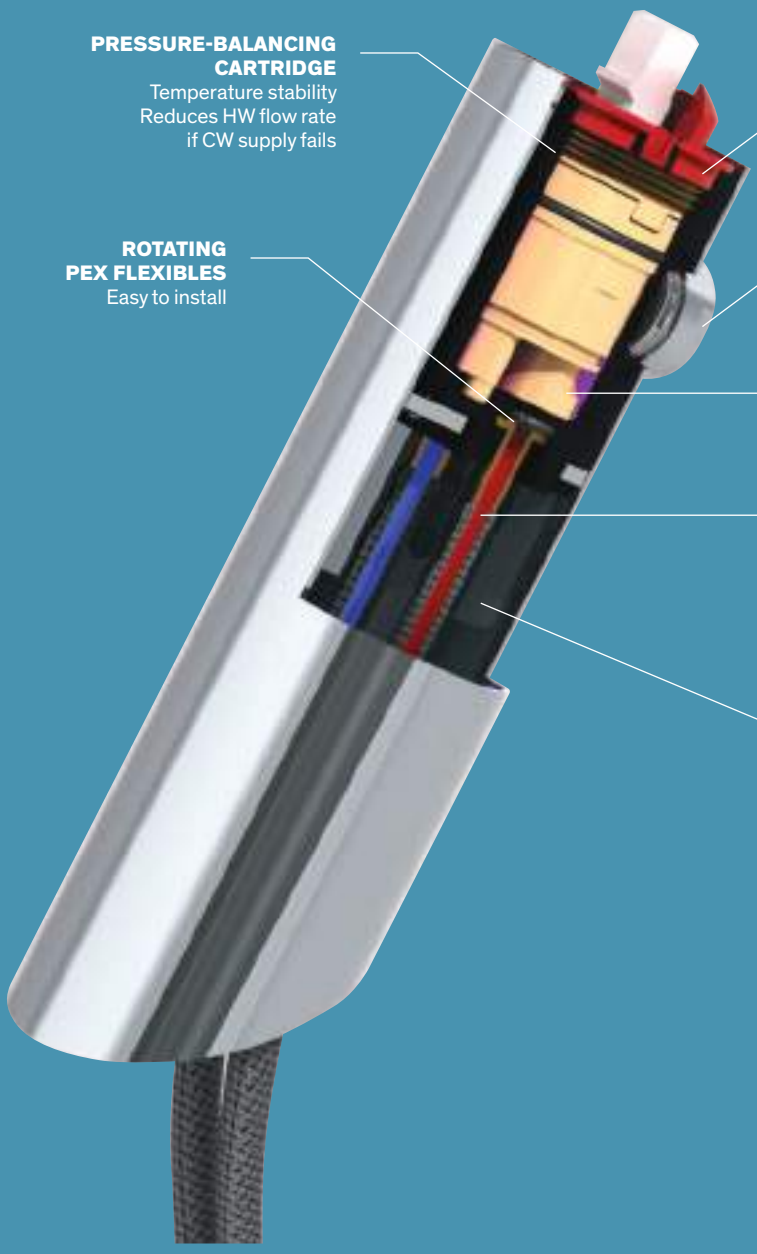
ROTATING PEX FLEXIBLES
Easy to install

NO SPOUT: HYGIENIC FLOW STRAIGHTENER INTEGRATED INTO THE MIXER BODY
Maximum hygiene

CARTRIDGE AND BODY WITH VERY LOW WATER VOLUME
Infection control

WATER VOLUME SIGNIFICANTLY REDUCED
Infection control

NO CONTACT WITH CHROME OR NICKEL
Prevents heavy metals from leaching into the water



Featured product: SECURITHERM EP BIOSAFE basin mixer (ref. 2621EP)

BIOSAFE mixer H. 95mm or MINI H. 50mm

Mechanical mixer with pressure-balancing or ceramic cartridge, no spout



- No spout: **hygienic flow straightener integrated into the body.**
- **Securitouch thermal insulation prevents burns.**
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body with very low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the CW supply *(see page 13)*.
- Flow rate limited to 4 lpm at 3 bar.
- Solid control lever.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

On EP pressure-balancing versions:

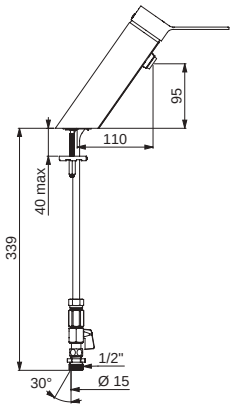
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

	PEX flexibles F⅜"	Copper tails Ø15mm for comp. fittings with stopcocks (UK/Ireland)
BIOSAFE mechanical mixer		
With pressure-balancing		
H. 95mm L. 110mm, with pop-up waste 1¼" in st. steel	**2620EP**	-
H. 95mm L. 110mm, without waste	**2621EP**	**26216EP**
H. 50mm L. 80mm, with pop-up waste 1¼" in polypropylene	**2620MINIEP**	-
H. 50mm L. 80mm, without waste	**2621MINIEP**	-
With standard ceramic cartridge		
H. 95mm L. 110mm, with pop-up waste 1¼" in st. steel	**2620**	-
H. 95mm L. 110mm, without waste	**2621**	**26216**
H. 50mm L. 80mm, with pop-up waste 1¼" in polypropylene	**2620MINI**	-
H. 50mm L. 80mm, without waste	**2621MINI**	-

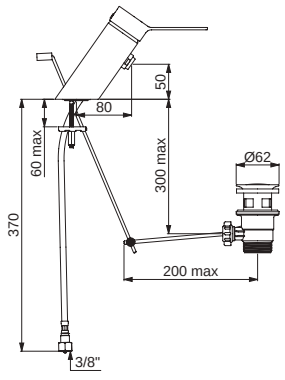
Options: wastes for models without pop-up wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*







26216EP



2620MINI

Mixer H. 85mm

Mechanical mixer with pressure-balancing or ceramic cartridge



- Spout H. 85mm L. 135mm with **BIOSAFE hygienic outlet.**
- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- Tested without water to comply with NHS requirements (UK).
- Flow rate limited to 5 lpm at 3 bar.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



Solid lever



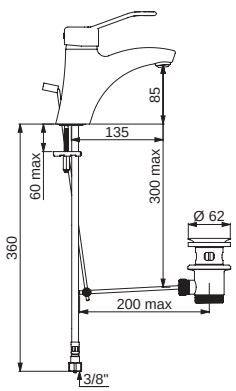
Hygiene lever

On EP pressure-balancing versions:

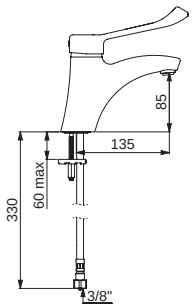
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

Mechanical mixer H. 85mm L. 135mm	
With pressure-balancing	
Sculptured lever, pop-up waste 1¼" in stainless steel	**2520EP**
Sculptured lever, without pop-up waste	**2521EP**
Solid lever, pop-up waste 1¼" in stainless steel	**2520TEP**
Solid lever, without pop-up waste	**2521TEP**
Hygiene lever L. 150mm, pop-up waste 1¼" in stainless steel	**2520LEP**
Hygiene lever L. 150mm, without pop-up waste	**2521LEP**
With standard ceramic cartridge	
Sculptured lever, pop-up waste 1¼" in stainless steel	**2520**
Sculptured lever, without pop-up waste	**2521**
Solid lever, pop-up waste 1¼" in stainless steel	**2520T**
Solid lever, without pop-up waste	**2521T**
Hygiene lever L. 150mm, pop-up waste 1¼" in stainless steel	**2520L**
Hygiene lever L. 150mm, without pop-up waste`	**2521L**

Options: wastes for models without pop-up wastes *(see page 99)*, copper tails *(see page 105)*



2520EP



2521L

Mixer H. 60mm

Mechanical mixer with ceramic cartridge



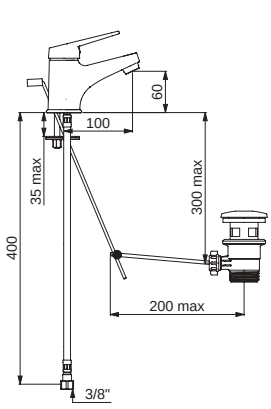
- Spout H. 60mm L. 100mm with hygienic flow straightener.
- Ø 35mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- Tested without water to comply with NHS requirements (UK).
- Flow rate regulated at 5 lpm.
- PEX flexibles F⅜".
- Reinforced fixing.
- Suitable for people with reduced mobility.
- 30-year warranty.



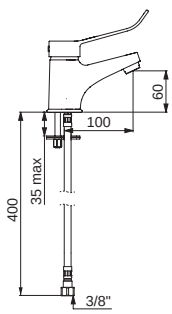
Sculptured lever

Mechanical mixer with standard ceramic cartridge H. 60mm L. 100mm	
Sculptured lever	
With ergonomic pop-up waste, 1¼" in polypropylene	**2220**
Without pop-up waste	**2221**
Hygiene lever L. 120mm	
With ergonomic pop-up waste, 1¼" in polypropylene	**2220L**
Without pop-up waste	**2221L**

Options: wastes for models without pop-up wastes *(see page 99)*, copper tails *(see page 105)*



2220



2221L



Dual control thermostatic basin mixer **H9726**

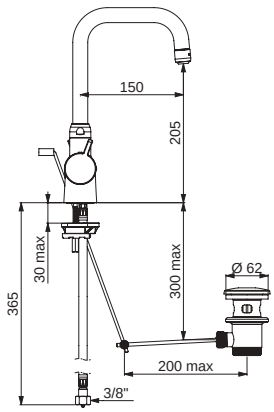
SECURITHERM mixer H. 205mm

Dual control thermostatic mixer, spout with smooth interior



Thermal shock feature

- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- Swivelling spout H. 205mm L. 150mm **with smooth interior with BIOSAFE hygienic outlet.**
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Scale-resistant **thermostatic cartridge** for adjusting the temperature.
- ¼-turn ceramic head for adjusting the flow rate.
- Temperature can be adjusted: from cold water up to 41°C.
- Two temperature limiters: first temperature limiter set at 38°C, and second set at 41°C.
- **Thermal shocks are easy to undertake** without removing the control knob or shutting off the CW supply *(see page 13)*.
- Flow rate regulated at 5 lpm.
- ERGO control knobs.
- Pop-up waste 1¼" made from stainless steel.
- PEX flexibles F⅜" with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



H9726

Dual control thermostatic mixer H. 205mm L. 150mm	H9726

Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*, copper tails *(see page 105)*



Sequential mechanical basin mixer **2664T1**

BIOSAFE mixer H. 160 to 200mm with fixed or swivelling spout

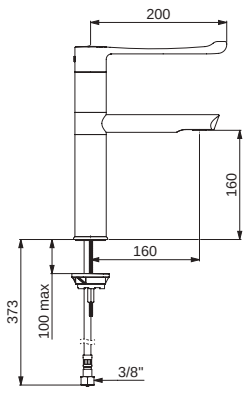
Sequential mechanical mixer with ceramic cartridge, internal tube with smooth interior



Thermal shock feature

- **Sequential over a 70° range:** opens and closes with cold water *(see page 38).*
- **High straight spout** H. 160 - 200mm with **BIOSAFE hygienic outlet.**
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23).*
- Ø 35mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- **Spout with internal tube with smooth interior and very low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the cold water supply *(see page 13).*
- Flow rate regulated at 5 lpm.
- No manual contact thanks to Hygiene control lever L. 200mm.
- Rotating PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

BIOSAFE sequential mechanical mixer with standard ceramic cartridge	
With swivelling spout	
H. 160mm L. 160mm	**2664T1**
H. 160mm L. 250mm	**2664T2**
H. 200mm L. 200mm	**2664T5**
With fixed spout	
H. 160mm L. 160mm	**2665T1**
H. 200mm L. 200mm	**2665T5**
Options: wastes *(see page 99),* BIOFIL tap filters *(see page 23)*	



2664T1

BIOCLIP mixer H. 180mm with swivelling spout

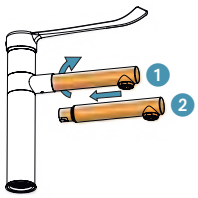
Mechanical mixer with removable spout and pressure-balancing or ceramic cartridge



- **High, removable swivelling spout H. 180mm.**
- Supplied with either **2 removable BIOCLIP stainless steel spouts** or **1 disposable Hostaform® spout.**
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the CW supply *(see page 13)*.
- Flow rate regulated at 5 lpm.
- No manual contact thanks to Hygiene control lever L. 185mm.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

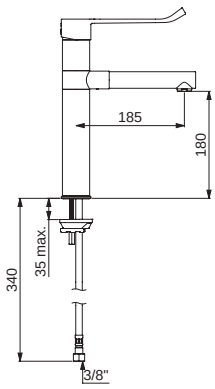
On EP pressure-balancing versions:

- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.



To replace a removable spout with a BIOFIL filter:

1. Either pull the disposable spout or turn the stainless steel spout through 90° clockwise then pull it towards you to remove it.
2. Insert the BIOFIL spout and turn it through 90° anti-clockwise.



2870T1

Mechanical mixer with swivelling BIOCLIP spout H. 180mm	
With pressure-balancing	
With stainless steel spout	**2870T1EP**
With disposable spout	**2871T1EP**
With standard ceramic cartridge	
With stainless steel spout	**2870T1**
With disposable spout	**2871T1**

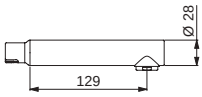
Options: wastes *(see page 99)*, BIOFIL spout filters *(see page 25)*, copper tails *(see page 105)*

Related products

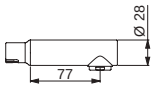


BIOCLIP stainless steel spouts

- **Removable spout** for cleaning/disinfection or autoclaving.
- Hygienic flow straightener, suitable for fitting a point-of-use filter *(see BIOFIL tap filters page 23)*.

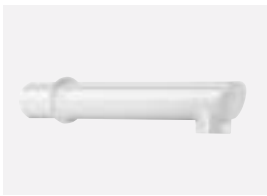


20002



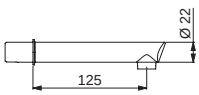
20003

2 removable stainless steel spouts Ø 28mm	
L. 129mm	**20002**
L. 77mm	**20003**



BIOCLIP disposable spouts

- **Removable, disposable spout** made from recyclable Hostaform® with star-shaped flow straightener.



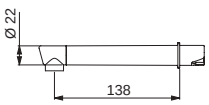
20015

15 removable disposable spouts L. 125mm, Ø 22mm	**20015**



BIOCLIP BIOFIL spouts

- **Anti-Legionella and all-germ removable spout filter.**
- Single use, sterilising grade 0.1µm nominal-rated.
- Maximum lifespan **2 months** after installation.
- Compatible with and resistant to chemical and thermal shocks in the water system *(for more information see page 25)*.



20040/30040

1 BIOFIL spout filter L. 138mm, Ø 22mm	
Sterile	**20040**
Non-sterile	**30040**

Mixer H. 165mm to 205mm with fixed or swivelling spout

Mechanical mixer with pressure-balancing or ceramic cartridge, smooth interior





Thermal shock feature

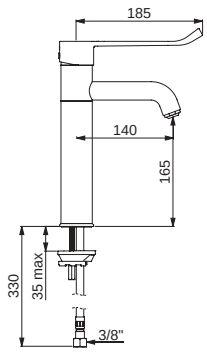
- **High spout** H. 165mm to 205mm with **BIOSAFE hygienic outlet.**
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the CW supply *(see page 13)*.
- Flow rate regulated at 5 lpm.
- No manual contact thanks to Hygiene control lever L. 185mm.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

On EP pressure-balancing versions:

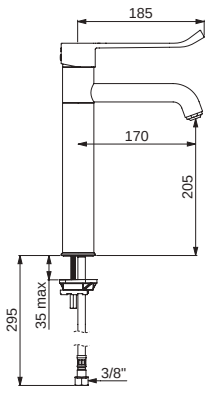
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

Mechanical mixer with high spout	
With pressure-balancing	
Fixed spout H. 165mm L. 140mm	**2565T1EP**
Fixed spout H. 205mm L. 170mm	**2565T5EP**
Swivelling spout H. 165mm L. 140mm	**2564T1EP**
Swivelling spout H. 165mm L. 220mm	**2564T2EP**
Swivelling spout H. 205mm L. 170mm	**2564T5EP**
With standard ceramic cartridge	
Fixed spout H. 165mm L. 140mm	**2565T1**
Fixed spout H. 205mm L. 170mm	**2565T5**
Swivelling spout H. 165mm L. 140mm	**2564T1**
Swivelling spout H. 165mm L. 220mm	**2564T2**
Swivelling spout H. 205mm L. 170mm	**2564T5**

Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*, copper tails *(see page 105)*



2565T1



2565T5EP

Mixer H. 195mm

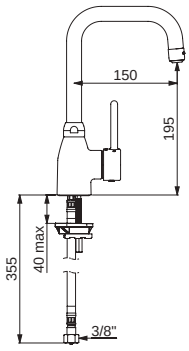
Mechanical mixer with ceramic cartridge, spout with smooth interior



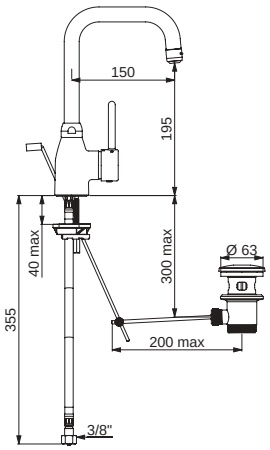
- **Swivelling, tubular spout H. 195mm L. 150mm** with **BIOSAFE hygienic outlet.**
- **High spout** suitable for fitting a BIOFIL point-of-use filter *(see page 23).*
- Ø 35mm ceramic cartridge.
- Maximum temperature limiter supplied but not installed.
- **Spout with smooth interior** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate limited to 5 lpm at 3 bar.
- Slimline control lever.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

Mechanical mixer with standard ceramic cartridge H. 195mm L. 150mm	
Pop-up waste, 1¼" in stainless steel	**2506T1**
Without pop-up waste	**25061T1**

Options: wastes *(see page 99),* BIOFIL tap filters *(see page 23),* copper tails *(see page 105)*



25061T1



2506T1

Mixer H. 100mm

Mechanical mixer with ceramic cartridge, smooth interior



- **Swivelling spout H. 100mm L. 170mm** with hygienic flow straightener.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23).*
- Ø 40mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate limited to 5 lpm at 3 bar.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



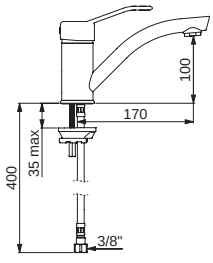
Sculptured lever



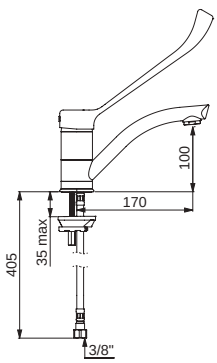
Solid lever

Mechanical mixer with standard ceramic cartridge H. 100mm L. 170mm	
Sculptured control lever	**2522**
Solid control lever	**2522T**
Hygiene control lever L. 200mm	**2522L**

Options: wastes *(see page 99),* BIOFIL tap filters *(see page 23),* copper tails *(see page 105)*



2522



2522L



Mixers & taps for sinks & troughs

ELECTRONIC CONTROLS
63



THERMOSTATIC, PRESSURE-BALANCING OR CERAMIC MIXERS
68



MIXERS WITH RETRACTING HAND SPRAYS
77





HEMI round basin **120490 -** TEMPOMATIC MIX BIOCLIP electronic basin mixer **20871T3**
Electronic soap dispenser **512066S -** Paper towel dispenser **510601S -** Rectangular wall-mounted bin **510461S**

TEMPOMATIC MIX

Electronic mains or battery-operated mixer with swivelling spout





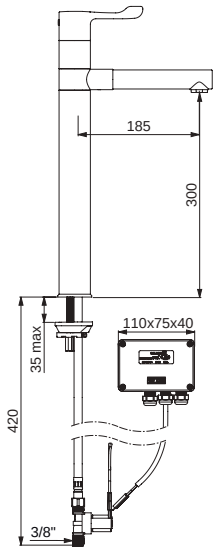
- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **CR123 6V Lithium batteries.**
- BIOCLIP models supplied with either **2 removable stainless steel spouts** or **1 disposable Hostaform® spout.**
- **Body and spout with smooth interiors** (reduces bacterial development).
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate limited to 9 lpm at 3 bar.
- Shock-resistant infrared presence detection sensor.
- Chrome-plated brass body with fixing reinforced by 2 stainless steel rods.
- Hygiene lever L. 100mm controls temperature.
- PEX flexibles with filters and solenoid valves M⅜".
- Anti-blocking security.
- Solenoid valves are upstream of the mixing chamber.
- Suitable for people with reduced mobility.
- 30-year warranty.

Two shut-off options on mains supply 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.

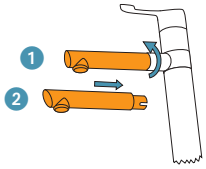
Pro tip: in ON/OFF mode position the sensor on the side of the mixer.

TEMPOMATIC MIX mixer with swivelling spout	
NON BIOCLIP mixer H. 305mm L. 250mm	
Mains supply	**20164T4**
Battery-operated	**20464T4**
BIOCLIP mixer with stainless steel spout H. 300mm L. 185mm	
Mains supply	**20870T3**
BIOCLIP mixer with disposable spout H. 300mm L. 180mm	
Mains supply	**20871T3**

Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*, stainless steel or disposable spout or BIOFIL spout filters *(see page 70)*



20870T3



To replace a removable spout with a BIOFIL filter:

1. Either pull the disposable spout or turn the stainless steel spout through 90° clockwise then pull it towards you to remove it.
2. Insert the BIOFIL spout and turn it through 90° anti-clockwise.

TEMPOMATIC PRO

Electronic mixer and tap, mains supply or battery-operated



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **CR123 6V Lithium batteries.**
- Scale-resistant flow straightener suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- **360° swivelling spout with smooth interior** (reduces bacterial development).
- **Removable spout** for cleaning.
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate pre-set at 4 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- 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 M⅜".
- Anti-blocking security.
- Suitable for people with reduced mobility.
- 30-year warranty.



Long lever

On mixers models:

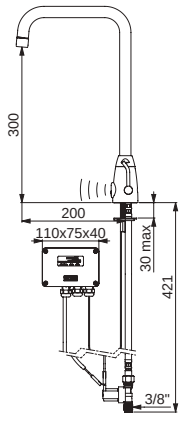
- Side temperature control with ergonomic long lever and adjustable maximum temperature limiter.
- Solenoid valves upstream of the mixing chamber.

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

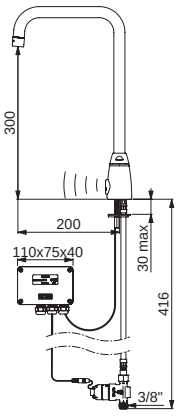
Standard mode: timed flow with automatic shut-off.
ON/OFF mode: user shuts off flow voluntarily or automatic shut-off after 30 minutes of flow.
Thermal shocks are possible.

	M⅜"
TEMPOMATIC PRO mixer H. 300mm L. 200mm	
Mains supply	**495253**
Battery-operated	**495257**
TEMPOMATIC PRO tap H. 300mm L. 200mm	
Mains supply	**445253**
Battery-operated	**445257**

We recommend installing a TMV for taps *(see page 103)*
Option: BIOFIL tap filters *(see page 23)*



495253



445257

BINOPTIC

Electronic mixer and tap, mains supply or battery-operated



- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer** or **CR123 6V Lithium batteries.**
- **Scale-resistant flow straightener.**
- **Spout with smooth interior and low water volume** (reduces bacterial development).
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- 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.
- Side temperature control with adjustable maximum temperature limiter and long lever on mixers.
- Suitable for people with reduced mobility.
- 30-year warranty.

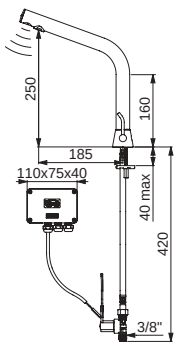


Long lever

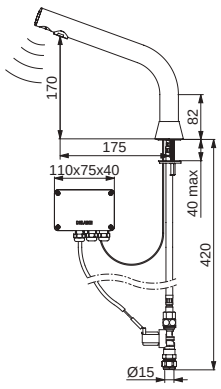
Two drop heights available depending on the choice of sink:
H. 170mm for semi-recessed sinks.
H. 250mm for countertop sinks.

	M¾"	Ø15mm for comp. fittings (UK/Ireland)
BINOPTIC MIX mixer		
Mains supply		
H. 170mm	**388MCHLH**	**388MCHLH15**
H. 250mm	**398MCHLH**	**398MCHLH15**
Battery-operated		
H. 170mm	**488MCHLH**	**488MCHLH15**
H. 250mm	**498MCHLH**	**498MCHLH15**
BINOPTIC tap		
Mains supply		
H. 170mm	**388015**	**38801515**
H. 250mm	**398015**	**39801515**
Battery-operated		
H. 170mm	**488015**	**48801515**
H. 250mm	**498015**	**49801515**

We recommend installing a TMV for taps *(see page 103)*

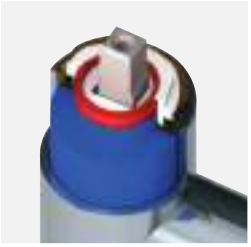


398MCHLH

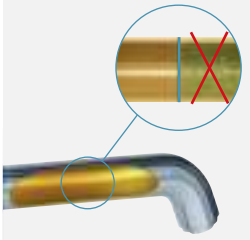


38801515





Maximum temperature limiter is engaged



Body with smooth interior



Ergonomic controls



ANTI-SCALDING SAFETY

Maximum temperature limiter
All DELABIE's mixers are supplied with a pre-set maximum temperature limiter. The user cannot increase the temperature above the maximum set temperature, reducing the risk of scalding.

Automatic anti-scalding failsafe
- **SECURITHERM thermostatic technology** ensures immediate hot water (HW) shut-off if the cold water (CW) supply fails. If the CW supply fails, the European standard EN 1111 allows a slight leak of HW (0.20L/5 seconds).
  With DELABIE's thermostatic mixers the HW shut-off is complete (with no trickle of water).
  If the HW supply fails, DELABIE's SECURITHERM mixers also shut off the CW supply.
- **SECURITHERM pressure-balancing technology,** known as EP, ensures instant and automatic safety. If the CW supply fails, the HW flow rate is reduced, removing the risk of scalding for the user.
  If the HW supply fails, the CW flow rate is likewise reduced.

BIOSAFE: INFECTION CONTROL

BIOCLIP removable mixers for cleaning/disinfection
Since they are in contact with water, the internal surfaces of mixers and taps are exposed to bacterial proliferation.
The mixers in the BIOCLIP range provide simple solutions to fight against the spread of germs inside and on the outside of mixers and taps, and against the spread of infectious bacteria by hand.
They allow the interior to be cleaned completely - the only way to remove biofilm effectively - and an easy way to disinfect the mixer, for preventative or curative reasons, to fight against bacterial development effectively.
For more information see page 10.

Body with smooth interior
Most mixers and taps have bodies and spouts with rough interiors. As a result, they provide niches where bacteria can adhere.
All the internal parts of the body, including the spout, for the majority of DELABIE's mixers & taps for sinks are completely smooth, reducing biofilm attachment and making it easier to treat.
For more information see page 10.

Specifically designed spout heights
- A high spout reduces the risk of retro-contamination by bacteria.
- Deck-mounted mixers with high spouts are suitable for fitting all-germ point-of-use filters.

COMFORT

Temperature stability
- **SECURITHERM thermostatic mixers** ensure stable temperatures regardless of pressure and flow rate variations in the system. They respond immediately to any changes.
- **SECURITHERM EP mixers** compensate for the variations in CW and HW pressure at the inlets. They ensure that the water temperature at the outlet remains stable for the user, removing the risk of scalding. *For more information see page 12.*
- **DELABIE's mechanical mixers** are fitted with an exclusive solution which effectively reduces temperature variations if there are pressure variations in the system.
  However, these mechanical mixers do not have the precision of thermostatic or EP mixers and they are not fitted with automatic anti-scalding safety.
  They provide an intermediate economic solution.

Reduced risk of Hot Water/Cold Water cross flow
On the new generation of DELABIE's mechanical mixers, the HW can only flow back into the CW supply (or vice versa) if the pressure differential between the inlets is greater than 1 bar.
Therefore, the risk of cross flow between the HW and CW is very small, unlike other mixers.
As a result, the risk of bacterial proliferation is reduced.
Moreover, this solution removes the need for non-return valves to be installed.

Optimised hand washing and personal washing thanks to a large drop height and increased spout length.

Ergonomic controls
DELABIE offers a wide choice of ergonomic control levers - Hygiene, sculptured or solid levers - to meet the needs of different users. Hygiene levers are specifically designed for healthcare professionals and patients with reduced mobility, and can be controlled with no manual contact using the wrist, forearm or elbow.

AND ALSO...

Robust
- Body, base and spout made from chrome-plated brass.
- Fixing reinforced by 2 stainless steel rods with back-nuts for deck-mounted models: easy to install and reduces vandalism.

30-year warranty against any manufacturing defects.
50 years repairability.



THERMAL SHOCK FEATURE
Total safety
Easy to undertake a thermal shock

HYGIENE LEVER
No manual contact

MAXIMUM TEMPERATURE LIMITER
Anti-scalding safety

CARTRIDGE AND BODY WITH LOW WATER VOLUME
Infection control

BODY AND SPOUT WITH SMOOTH INTERIORS
Infection control

HYGIENIC FLOW STRAIGHTENER
Infection control

Featured product: mechanical sink mixer (ref. 2564T3)

SECURITHERM mixer H. 160mm

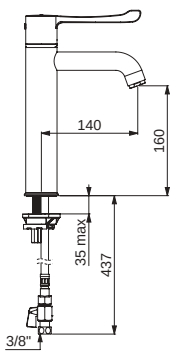
Sequential thermostatic mixer, smooth interior



- **Sequential:** opens and closes with cold water *(see page 38)*.
- **No risk of cross flow between hot and cold water.**
  No non-return valves on the inlets.
- BIOCLIP models: **can be removed entirely** for cleaning/disinfection *(see page 10)*.
- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Spout H. 160mm L. 140mm with hygienic flow straightener.
- Scale-resistant **sequential thermostatic cartridge.**
- Temperature control: cold water up to 40°C.
- Temperature limiter set at 40°C.
- For ref.s H962515, H9625610, H962015 and H9620610:
  tested without water to comply with NHS requirements (UK). No pre-set temperature.
- Thermal or chemical shocks are possible.
- **Body and spout with smooth interiors and low water volume** (reduces bacterial development).
- Flow rate regulated at 9 lpm.
- No manual contact thanks to Hygiene control lever L. 146mm.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

	PEX flexibles F⅜" with stopcocks	PEX flexibles F⅜" without stopcocks	PEX flexibles Ø15mm for comp. fittings with stopcocks (UK/Ireland)	Copper tails Ø15mm for comp. fittings with stopcocks (UK/Ireland)
Sequential thermostatic mixer H. 160mm L. 140mm				
BIOCLIP models	**H9625**	**H96251**	**H962515***	**H9625610***
Non-BIOCLIP models	**H9620**	**H96201**	**H962015***	**H9620610***

***To comply with NHS regulation (UK), those references are water-free tested.**
Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*



H9620

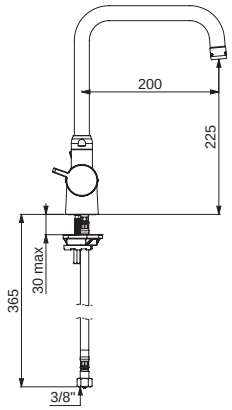
SECURITHERM mixer H. 225mm

Dual control thermostatic mixer, spout with smooth interior



Thermal shock feature

- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- Swivelling spout H. 225mm L. 200mm **with smooth interior** with hygienic flow straightener.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Scale-resistant **thermostatic cartridge** for adjusting the temperature.
- ¼-turn ceramic head for adjusting the flow rate.
- Temperature can be adjusted from cold water up to 41°C.
- Two temperature limiters: first temperature limiter set at 38°C, and second set at 41°C.
- **Thermal shocks are easy to undertake** without removing the control knob or shutting off the CW supply *(see page 13)*.
- Flow rate limited to 9 lpm at 3 bar.
- ERGO control knobs.
- PEX flexibles F⅜" with filters and non-return valves.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



H9716

Dual control thermostatic mixer H. 225mm L. 200mm	H9716
Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*	

BIOCLIP mixer H. 320mm with swivelling spout

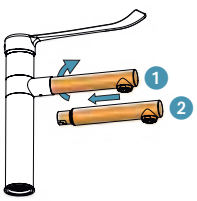
Mechanical mixer with removable spout and pressure-balancing or ceramic cartridge



- **High, removable swivelling spout H. 320mm.**
- Supplied with either **2 removable BIOCLIP stainless steel spouts** or **1 disposable Hostaform® spout.**
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the CW supply *(see page 13)*.
- Flow rate limited to 9 lpm at 3 bar.
- No manual contact thanks to Hygiene control lever L. 185mm.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

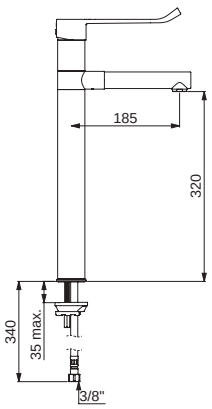
On EP pressure-balancing versions:

- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.



To replace a removable spout with a BIOFIL filter:

1. Either pull the disposable spout or turn the stainless steel spout through 90° clockwise then pull it towards you to remove it.
2. Insert the BIOFIL spout and turn it through 90° anti-clockwise.



2870T3

Mechanical mixer with swivelling BIOCLIP spout H. 320mm	
With pressure-balancing	
With stainless steel spout	**2870T3EP**
With disposable spout	**2871T3EP**
With standard ceramic cartridge	
With stainless steel spout	**2870T3**
With disposable spout	**2871T3**

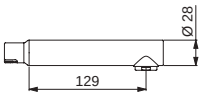
Options: wastes *(see page 99)*, BIOFIL spout filters *(see page 25)*, copper tails *(see page 105)*

Related products

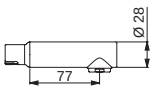


BIOCLIP stainless steel spouts

- **Removable spout** for cleaning/disinfection or autoclaving.
- Hygienic flow straightener, suitable for fitting a point-of-use filter *(see BIOFIL tap filters page 23)*.

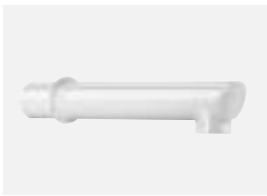


20002



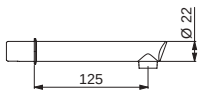
20003

2 removable stainless steel spouts Ø 28mm	
L. 129mm	**20002**
L. 77mm	**20003**



BIOCLIP disposable spouts

- **Removable, disposable spout** made from recyclable Hostaform® with star-shaped flow straightener.



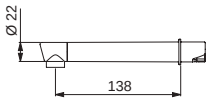
20015

15 removable disposable spouts L. 125mm, Ø 22mm	**20015**



BIOCLIP BIOFIL spouts

- **Anti-Legionella and all-germ removable spout filter.**
- Single use, sterilising grade 0.1µm nominal-rated.
- Maximum lifespan **2 months** after installation.
- Compatible with and resistant to chemical and thermal shocks in the water system *(for more information see page 25)*.



20040/30040

1 BIOFIL filter spout L. 138mm, Ø 22mm	
Sterile	**20040**
Non-sterile	**30040**

Mixer H. 305mm with fixed or swivelling spout

Mechanical mixer with pressure-balancing or ceramic cartridge, smooth interior





Thermal shock feature

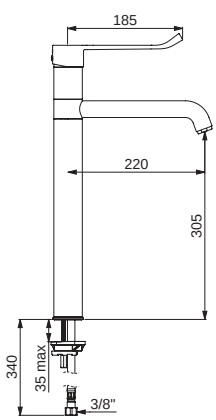
- **High spout** H. 305mm with hygienic flow straightener.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the CW supply *(see page 13)*.
- Flow rate limited to 9 lpm at 3 bar.
- No manual contact thanks to Hygiene control lever L. 185mm.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

On EP pressure-balancing versions:

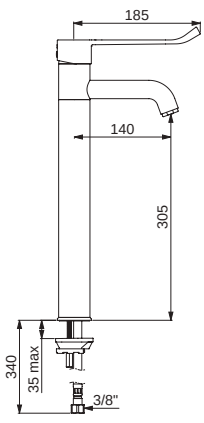
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

Mechanical mixer with high spout	
With pressure-balancing	
Fixed spout H. 305mm L. 140mm	**2565T3EP**
Swivelling spout H. 305mm L. 140mm	**2564T3EP**
Swivelling spout H. 305mm L. 220mm	**2564T4EP**
With standard ceramic cartridge	
Fixed spout H. 305mm L. 140mm	**2565T3**
Swivelling spout H. 305mm L. 140mm	**2564T3**
Swivelling spout H. 305mm L. 220mm	**2564T4**

Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*, copper tails *(see page 105)*



2564T4



2565T3EP

BIOSAFE mixer H. 300mm with fixed or swivelling spout

Sequential mechanical mixer with ceramic cartridge, internal tube with smooth interior



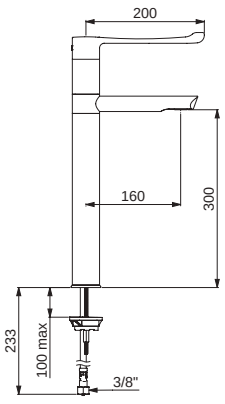


Thermal shock feature

- **Sequential over a 70° range:** opens and closes with cold water *(see page 38).*
- **High straight spout** H. 300mm with **BIOSAFE hygienic outlet.**
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23).*
- Ø 35mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- **Spout with internal tube with smooth interior and very low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the cold water supply *(see page 13).*
- Flow rate regulated at 5 lpm.
- No manual contact thanks to Hygiene control lever L. 200mm.
- Rotating F⅜" PEX flexibles.
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

BIOSAFE sequential mechanical mixer with standard ceramic cartridge	
With swivelling spout	
H. 300mm L. 160mm	**2664T3**
H. 300mm L. 250mm	**2664T4**
With fixed spout	
H. 300mm L. 160mm	**2665T3**

Options: wastes *(see page 99),* BIOFIL tap filters *(see page 23),* copper tails *(see page 105)*



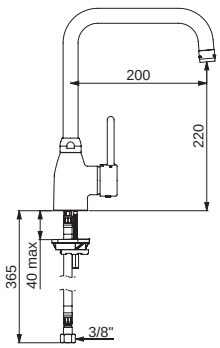
2664T3

Mixer H. 220mm

Mechanical mixer with ceramic cartridge, spout with smooth interior



- **Swivelling, tubular spout H. 220mm L. 200mm** with hygienic flow straightener.
- **High spout** suitable for fitting a BIOFIL point-of-use filter *(see page 23).*
- Ø 35mm ceramic cartridge.
- Maximum temperature limiter supplied but not installed.
- **Spout with smooth interior** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate limited to 9 lpm at 3 bar.
- Slimline control lever.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



2506T2

Mechanical mixer with standard ceramic cartridge H. 220mm L. 200mm	**2506T2**

Options: wastes *(see page 99),* BIOFIL tap filters *(see page 23),* copper tails *(see page 105)*

Mixer H. 145mm

Mechanical mixer with ceramic cartridge, smooth interior



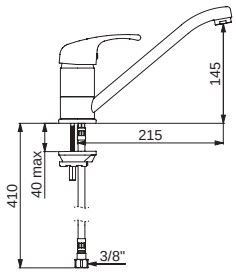
- **Swivelling spout** H. 145mm L. 215mm with hygienic flow straightener.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23).*
- Ø 40mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate limited to 9 lpm at 3 bar.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



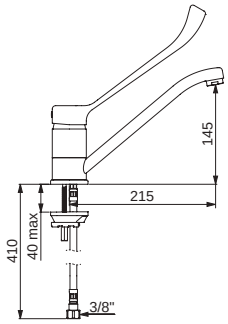
Sculptured lever

Mechanical mixer with standard ceramic cartridge H. 145mm L. 215mm	
Sculptured control lever	**2210**
Hygiene control lever L. 200	**2210L**

Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*, copper tails *(see page 105)*



2210



2210L

Mixer H. 155mm

Mechanical mixer with ceramic cartridge, smooth interior



- **Swivelling spout** H. 155mm L. 230mm with hygienic flow straightener.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Ø 40mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate limited to 9 lpm at 3 bar.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



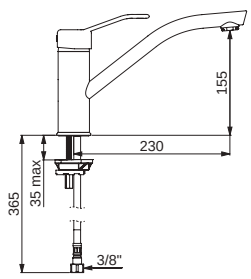
Sculptured lever



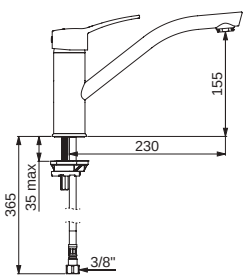
Solid lever

Mechanical mixer with standard ceramic cartridge H. 155mm L. 230mm	
Sculptured control lever	**2510**
Solid control lever	**2510T**
Hygiene control lever L. 200mm	**2510L**

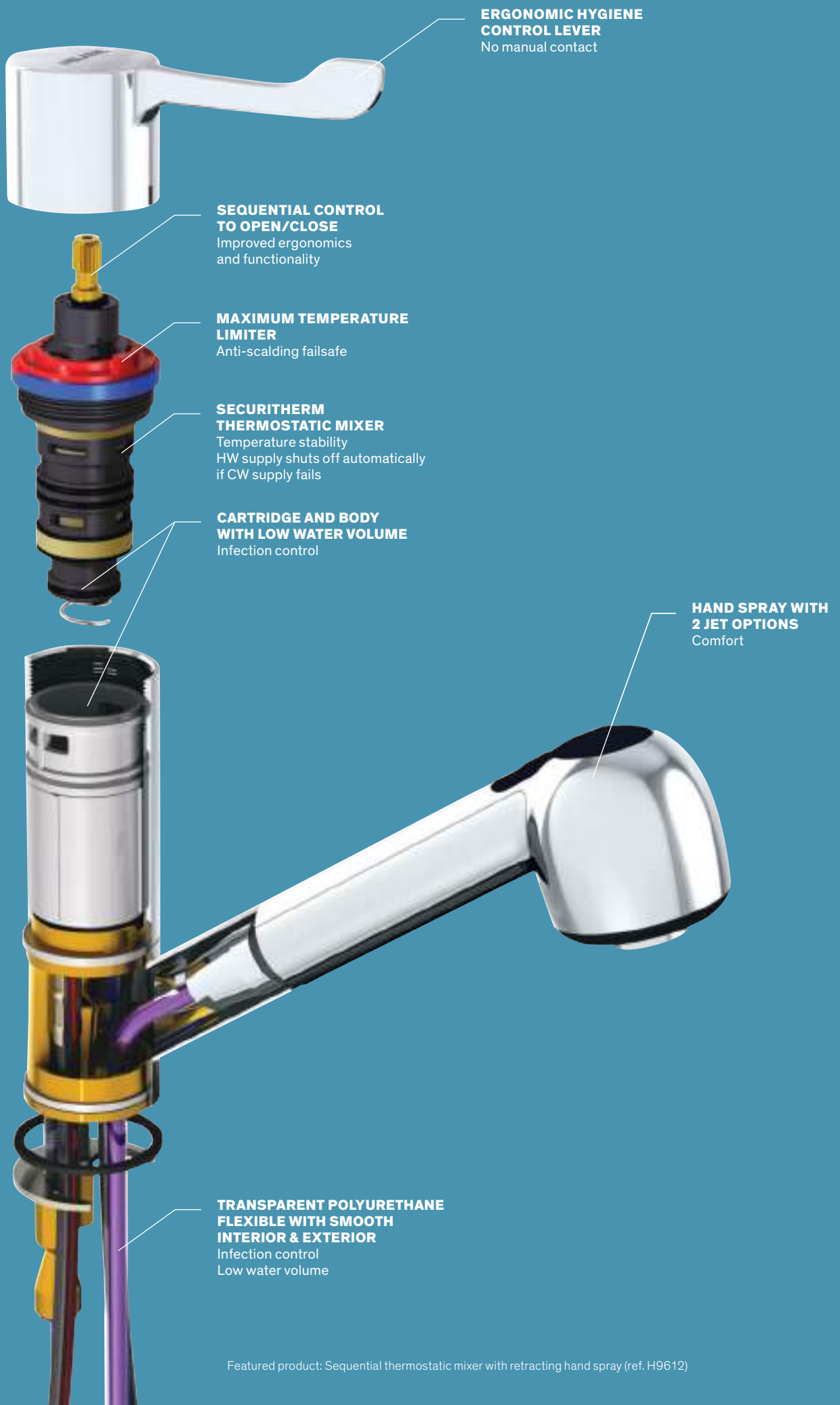
Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*, copper tails *(see page 105)*



2510



2510T



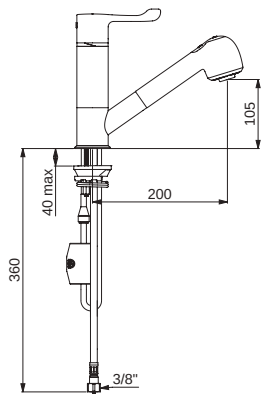
Featured product: Sequential thermostatic mixer with retracting hand spray (ref. H9612)

SECURITHERM mixer with retracting hand spray H. 105mm

Sequential thermostatic mixer with swivelling outlet



- **Suitable for baby baths.**
- **Sequential:** opens and closes with cold water *(see page 38)*.
- **No risk of cross flow between the hot and cold water.**
  No non-return valves on the inlets.
- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Swivelling outlet H. 105mm L. 200mm.
- Retracting hand spray with 2 jet options: flow straightener/rain effect.
- Scale-resistant **sequential thermostatic cartridge.**
- Temperature control: cold water up to 40°C.
- Temperature limiter set at 40°C.
- **Body with smooth interior** (reduces bacterial development).
- Flow rate regulated at 4 lpm.
- No manual contact thanks to Hygiene control lever L. 100mm.
- **BIOSAFE flexible shower hose reduces bacterial proliferation:**
  transparent polyurethane, ensures timely replacement if biofilm is present; smooth interior and exterior.
- Flexible with narrow interior: low water volume.
- Specific counterweight.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



H9612

Sequential thermostatic mixer with retracting hand spray H. 105mm L. 200mm	**H9612**

Option: wastes *(see page 99)*

Mixer with retracting hand spray H. 105mm L. 200mm

Mechanical mixer with pressure-balancing or ceramic cartridge, swivelling outlet



- **Suitable for baby baths.**
- **Securitouch thermal insulation prevents burns.**
- Swivelling outlet H. 105mm L. 200mm.
- Retracting hand spray with 2 jet options: flow straightener/rain effect.
- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body with smooth interior** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate limited to 7 lpm at 3 bar.
- **BIOSAFE flexible shower hose reduces bacterial proliferation:** transparent polyurethane, ensures timely replacement if biofilm is present; smooth interior and exterior.
- Flexible with narrow interior: low water volume.
- Specific counterweight.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



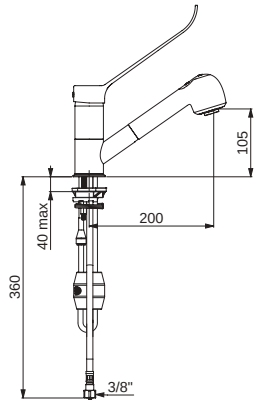
Solid lever

On EP pressure-balancing versions:

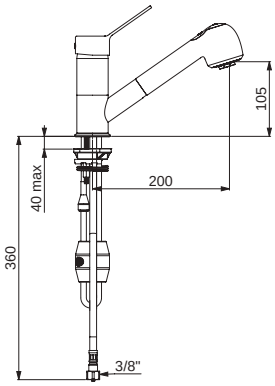
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

Mechanical mixer with retracting hand spray H. 105mm L. 200mm	
With pressure-balancing	
Solid lever	**2211EP**
Hygiene lever L. 175mm	**2211LEP**
With standard ceramic cartridge	
Solid lever	**2211**
Hygiene lever L. 175mm	**2211L**

Option: wastes *(see page 99)*, BIOFIL shower head filters *(see page 24)*



2211L



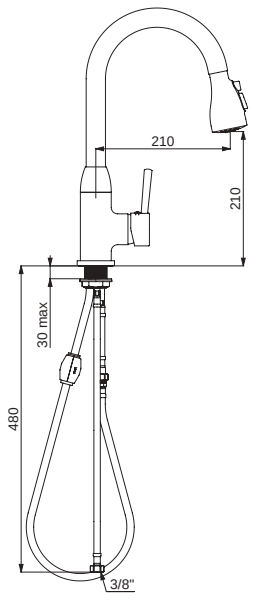
2211EP

Mixer with retracting hand spray H. 210mm L. 210mm

Mechanical mixer with ceramic cartridge, swivelling outlet



- Swivelling swan neck outlet H. 210mm L. 210mm.
- Retracting hand spray with 3 jet options: laminar flow, rain-effect spray and blade jet.
- Ø 40mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- Flow rate 5 lpm at 3 bar.
- Slimline control lever.
- Nylon flexible hose for hand spray with non-return valve.
- PEX flexibles F⅜".
- Fixed via back nut.
- Suitable for people with reduced mobility.
- 30-year warranty.



2597

Mechanical mixer with standard ceramic cartridge and retracting hand spray H. 210mm L. 210mm	**2597**

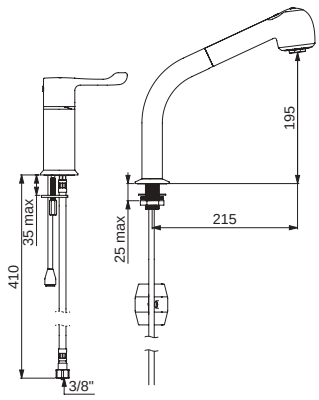
Options: wastes *(see page 99)*, flexible hose for hand sprays *(see page 139)*, copper tails *(see page 105)*

SECURITHERM mixer with retracting hand spray H. 195mm L. 215mm

Sequential thermostatic mixer and column set



- **Suitable for baby baths.**
- **Sequential:** opens and closes with cold water *(see page 38)*.
- **No risk of cross flow between hot and cold water.**
  No non-return valves on the inlets.
- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Swivelling column H. 195mm L. 215mm.
- Retracting hand spray with 2 jet options: flow straightener/rain effect.
- Scale-resistant **sequential thermostatic cartridge.**
- Temperature control: cold water up to 40°C.
- Temperature limiter set at 40°C.
- **Body and column with smooth interiors** (reduces bacterial development).
- Flow rate regulated at 7 lpm.
- No manual contact thanks to Hygiene control lever L. 100mm.
- **BIOSAFE flexible shower hose reduces bacterial proliferation:**
  transparent polyurethane, ensures timely replacement if biofilm is present; smooth interior and exterior.
- Flexible with narrow interior: low water volume.
- Specific counterweight.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.



H9613

Sequential thermostatic mixer with retracting hand spray H. 195mm L. 215mm	
Mixer and column	**H9613**
Mixer only	**H9642**
Column with hand spray for sinks	**1316**

Options: wastes *(see page 99)*, BIOFIL shower head filters *(see page 24)*

Mixer with retracting hand spray H. 195mm L. 215mm

Mechanical mixer and column set with pressure-balancing or ceramic cartridge

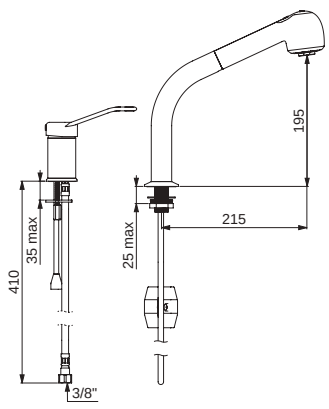


- **Suitable for baby baths.**
- **Securitouch thermal insulation prevents burns.**
- Swivelling column H. 195mm L. 215mm.
- Retracting hand spray with 2 jet options: flow straightener/rain effect.
- Ø 35mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and column with smooth interiors** (reduces bacterial development).
- Flow rate limited to at 7 lpm at 3 bar.
- Sculptured control lever.
- **BIOSAFE flexible shower hose reduces bacterial proliferation:** transparent polyurethane, ensures timely replacement if biofilm is present; smooth interior and exterior.
- Flexible with narrow interior: low water volume.
- Specific counterweight.
- PEX flexibles F⅜".
- Fixing reinforced by 2 stainless steel rods.
- Suitable for people with reduced mobility.
- 30-year warranty.

On EP pressure-balancing versions:

- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

Mechanical mixer with retracting hand spray H. 195mm L. 215mm	
With pressure-balancing	
Mixer and column	**2599EP**
Mixer only	**2542EP**
With standard ceramic cartridge	
Mixer and column	**2599**
Mixer only	**2542**
Column with hand spray for sinks	**1316**
Options: wastes *(see page 99)*, BIOFIL shower head filters *(see page 24)*	



2599EP

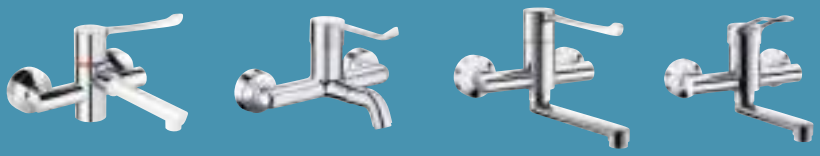

DELABIE

Wall-mounted mixers & taps

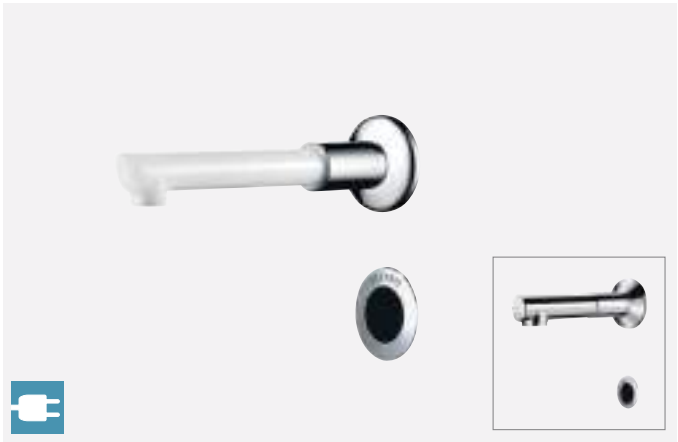
ELECTRONIC CONTROLS
84



THERMOSTATIC, PRESSURE-BALANCING OR CERAMIC MIXERS
89

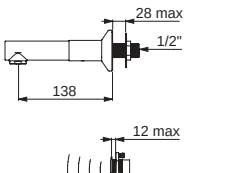


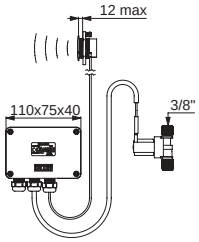
TEMPOMATIC
Wall-mtd electronic tap with mains supply, removable spout



- Independent IP65 electronic control unit.
- 230/12V mains supply with transformer.
- Supplied with either 2 removable BIOCLIP stainless steel spouts for continuous use during cleaning/disinfection or 1 disposable Hostaform® spout.
  Can be replaced with a BIOFIL filter (*see page 89*).
- Base and spout with smooth interiors (reduces bacterial development).
- Adjustable duty flush
  (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate limited to 4 lpm at 3 bar.
- Shock-resistant infrared presence detection sensor.
- Separate sensor for mounting on panels.
- Ø 60mm chrome-plated brass base.
- Solenoid valve with integrated filter.
- Anti-blocking security.
- Recommended installation height: 110 - 200mm above the basin surface.
- Suitable for people with reduced mobility.
- 30-year warranty.

Two shut-off options:
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.





20804T2



To replace a removable spout with a BIOFIL filter:

1. Either pull the disposable spout or turn the stainless steel spout through 90° clockwise then pull it towards you to remove it.
2. Insert the BIOFIL spout and turn it through 90° anti-clockwise.

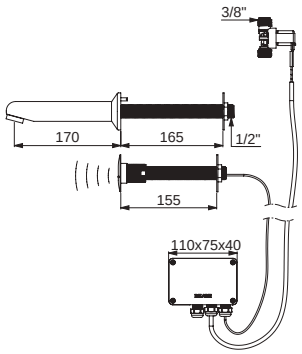
TEMPOMATIC wall-mounted basin tap with BIOCLIP spout	
Stainless steel spout, M⅜"	**20804T2**
Stainless steel spout, Ø 15mm for compression fittings	**20804T215**
Disposable spout, M⅜"	**20801T2**

We recommend installing a TMV for taps *(see page 103)*
Option: stainless steel spouts, disposable spouts or BIOFIL filter spouts *(see page 89)*

TEMPOMATIC
Cross wall electronic tap with mains supply



- Independent IP65 electronic control unit.
- 230/12V mains supply with transformer.
- Scale-resistant flow straightener.
- Adjustable duty flush (~60 seconds every 24 hours after last use).
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Shock-resistant infrared presence detection sensor for walls ≤ 155mm.
- Anti-blocking security.
- Solenoid valve M⅜" with integrated filter.
- Chrome-plated fixed spout L. 170mm for walls ≤ 165mm with anti-rotating pin.
- Escutcheon flush to the wall.
- Threaded rods can be cut to size.
- Recommended installation height: 110 - 200mm above the basin surface.
- Suitable for people with reduced mobility.
- 30-year warranty.



441157

TEMPOMATIC cross wall tap	441157

We recommend installing a TMV *(see page 103)*
Alternative spout and cross wall lengths available on request

TEMPOMATIC 4

Wall-mounted electronic mixer and tap, mains supply or battery-operated



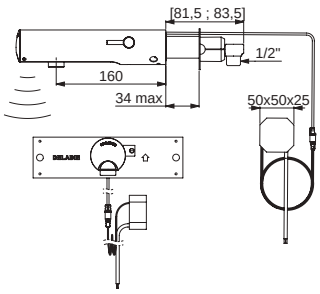
- **230/6V mains supply** or **integrated CR123 6V Lithium batteries.**
- **Reduced-stagnation solenoid valve and electronic unit integrated** into the body of the mixer or tap.
- **Scale-resistant flow straightener.**
- **Duty flush** (~60 seconds every 24 hours after last use).
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Presence detection sensor at the end of the spout optimises detection.
- Cap fixed in place by 2 concealed screws.
- Compact nanny joint (for mixers with recessed water inlets).
- Stopcocks.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter on mixers.
- Recommended installation height: 300mm above the basin surface.
- Suitable for people with reduced mobility.
- 30-year warranty.



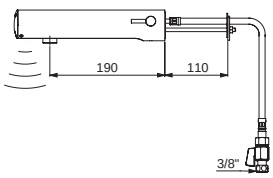
Standard lever

TEMPOMATIC MIX 4 wall-mounted mixer	
Recessed mains supply	
Kit 1: Nanny joint for recessed water inlet Kit 2: Wall-mounted mixer L. 160mm	**484012** **+ 493400**
Kit 1: Nanny joint for recessed water inlet Kit 2: Wall-mounted mixer L. 220mm	**484012** **+ 493500**
Cross wall L. 190mm	**493510**
Battery-operated	
Kit 1: Nanny joint for recessed water inlet Kit 2: Wall-mounted mixer L. 160mm	**484612** **+ 493406**
Kit 1: Nanny joint for recessed water inlet Kit 2: Wall-mounted mixer L. 220mm	**484612** **+ 493506**
Cross wall L. 190mm	**493516**
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**
Battery-operated	
Wall-mounted L. 130mm (recessed water inlet)	**443406**
Wall-mounted L. 190mm (recessed water inlet)	**443506**
Cross wall L. 130mm	**443416**
Cross wall L. 190mm	**443516**
Panel-mounted ≤ 24mm or solid walls L. 130mm	**443426**
Panel-mounted ≤ 24mm or solid walls L. 190mm	**443526**
L. 130mm for refurbishment	**443436**
L. 190mm for refurbishment	**443536**

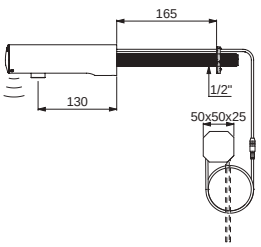
We recommend installing a TMV for taps *(see page 103)*



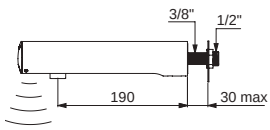
484012 + 493400



493516



443410



443506


DELABIE

BINOPTIC

Recessed or cross wall electronic mixer and tap with mains supply



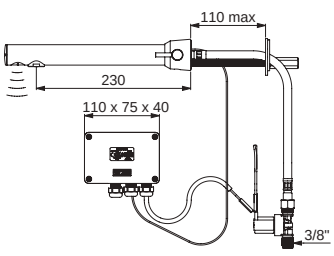
- **Independent IP65 electronic control unit.**
- **230/12V mains supply with transformer.**
- **Scale-resistant flow straightener.**
- **Spout with smooth interior and low water volume** (reduces bacterial development).
- **Adjustable duty flush** (pre-set flush ~60 seconds every 24 hours after last use).
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Active, infrared presence detection, sensor at the end of the spout optimises detection.
- Filters and solenoid valves.
- Chrome-plated brass body.
- Cable for sensor, flexibles and mounting all pass through the same hole for cross wall model.
- Chrome-plated spout for cross wall or recessed installation.
- Anti-blocking security.
- Side temperature control with adjustable maximum temperature limiter on mixer.
- Recommended installation height: 300mm above the basin surface.
- Suitable for people with reduced mobility.
- 30-year warranty.



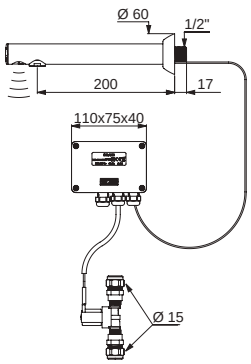
Standard lever

	M⅜"	Ø15mm for comp. fittings (UK/Ireland)
Cross wall BINOPTIC MIX mixer	**379MCH**	**379MCH15**
BINOPTIC wall-mounted tap		
Recessed, spout L. 200mm	**379ENC**	**379ENC15**
Recessed, spout L. 252mm	**379ENCL**	**-**
For walls ≤ 190mm, spout L. 205mm	**379DER**	**379DER15**
For walls ≤ 190mm, spout L. 135mm	**379D13**	**379D1315**

We recommend installing a TMV for taps *(see page 103)*



379MCH



379ENC15



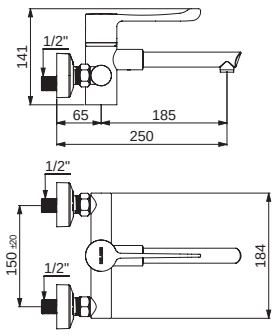
Wall-mounted sequential thermostatic mixer with BIOCLIP stainless steel spout **H9611S -** Electronic soap dispenser **512066P -** Paper towel dispenser **510601P**

SECURITHERM mixer with BIOCLIP spout

Wall-mounted sequential thermostatic mixer, removable spout



- **Sequential:** opens and closes with cold water *(see page 38)*.
- **No risk of cross flow between hot and cold water.**
  No non-return valves on the inlets.
- **Anti-scalding failsafe:** immediate shut-off if cold or hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Supplied with either **2 removable BIOCLIP brass spouts** for continuous use during cleaning/disinfection or with **1 disposable Hostaform® spout.**
  Can be replaced with a BIOFIL filter or stainless steel spout.
- Scale-resistant **sequential thermostatic cartridge.**
- Temperature control: cold water up to 40°C.
- Temperature limiter set at 40°C.
- For ref.s H9611P, H9614P and H9615: tested without water to comply with NHS requirements (UK).
  No pre-set temperature.
- Thermal or chemical shocks are possible.
- **Body and spout with smooth interiors** (reduces bacterial development).
- Flow rate regulated at 7 lpm.
- No manual contact thanks to Hygiene control lever L. 146mm.
- Supplied with 2 wall connectors M½" M¾" or pillar-mounted.
- Suitable for people with reduced mobility.
- 30-year warranty.



H9610

	150mm centres	200mm centres
Wall-mounted sequential thermostatic mixer with BIOCLIP spout		
With disposable spout		
Offset STOP/CHECK connectors	**H9610**	-
Offset standard connectors	**H9610S**	-
With brass spout		
Offset STOP/CHECK connectors	**H9611**	-
Offset standard connectors	**H9611S**	-
In-line STOP/CHECK connectors	**H9611P***	**H9614P***
Pillar-mounted sequential thermostatic mixer with BIOCLIP spout	**H9615***	-

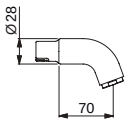
* To comply with NHS regulation (UK), those references are water-free tested.
Option: wastes *(see page 99)*

Related products

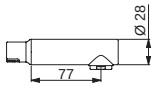


BIOCLIP spouts

- **Removable spout** for cleaning/disinfection.
- Hygienic flow straightener, suitable for fitting a point-of-use filter *(see BIOFIL tap filters page 23)*.

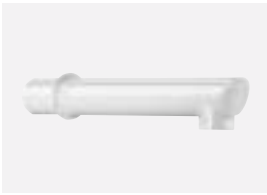


20004



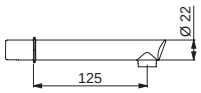
20003

2 curved removable brass spouts L. 70mm	**20004**
2 straight removable stainless steel spouts Ø 28mm	
L.129mm	**20002**
L.77mm	**20003**



BIOCLIP disposable spouts

- **Removable, disposable spout** made from recyclable Hostaform® with star-shaped flow straightener.



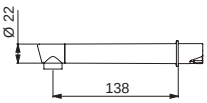
20015

15 removable disposable spouts L. 125mm, Ø 22mm	**20015**



BIOCLIP BIOFIL spouts

- **Anti-Legionella and all-germ removable spout filter.**
- Single use, sterilising grade 0.1µm nominal-rated.
- Maximum lifespan **2 months** after installation.
- Compatible with and resistant to chemical and thermal shocks in the water system *(for more information see page 25)*.



20040/30040

1 BIOFIL spout filter L. 138mm, Ø 22mm	
Sterile	**20040**
Non-sterile	**30040**

BIOSAFE Securitouch mixer

Wall-mounted mechanical mixer with pressure-balancing cartridge, removable spout

NEW

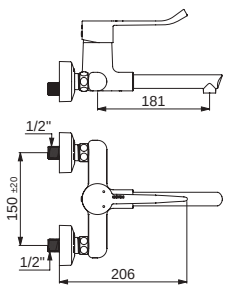




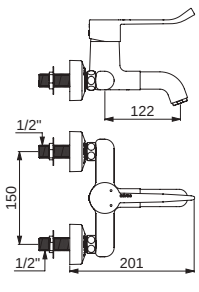


Thermal shock feature

- **Anti-scalding safety:** HW flow rate is reduced if CW flow rate fails (and vice versa).
- Stable temperature regardless of pressure and flow rate.
- **Securitouch thermal insulation prevents burns.**
- Pre-set maximum temperature limiter.
- Supplied with **2 removable BIOCLIP brass spouts** L. 70mm for continuous use during cleaning and disinfection or **1 disposable Hostaform® spout.**
- Ø 35mm **pressure-balancing** ceramic **cartridge.**
- **Body and spout with smooth interiors and low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the cold water supply *(see page 13).*
- Flow rate limited to 5 lpm at 3 bar.
- Hygiene control lever L. 150mm.
- Supplied with 2 wall connectors M½" M¾" *(see page 104).*
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



2610EP



2611EP

	150mm centres	200mm centres
Wall-mounted BIOSAFE mechanical mixer with pressure-balancing cartridge		
With disposable spout		
Offset STOP/CHECK connectors	**2610EP**	**-**
Offset standard connectors	**2610EPS**	**-**
With brass spout		
In-line STOP/CHECK connectors	**2611EP**	**2614EP**

Options: wastes *(see page 99)*, BIOFIL spout filters *(see page 25)*

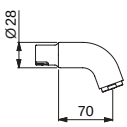
Related product

NEW



Brass BIOCLIP spout

- **Removable spout** for cleaning/disinfection.
- Hygienic flow straightener suitable for fitting a point-of-use filter *(see BIOFIL tap filters page 23).*



20004

2 removable brass spouts L.70mm	**20004**

Securitouch mixer

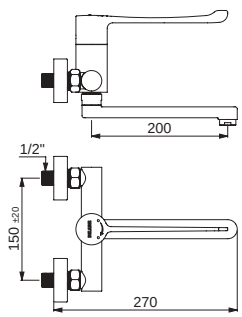
Wall-mounted sequential mechanical mixer with ceramic cartridge, smooth interiors



- **Sequential over a 90° range:** opens and closes with cold water.
- **Flat under spout** L. 200mm with hygienic flow straightener.
- Spout suitable for fitting a point-of-use filter *(see page 23)*.
- **Securitouch thermal insulation prevents burns.**
- Ø 35mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors and very low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate regulated at 5 lpm.
- Hygiene control lever L. 150mm.
- Supplied with 2 offset wall connectors M½" M¾" *(see page 104)*.
- 150 mm centres.
- Suitable for people with reduced mobility.
- 30-year warranty.



Low water volume
Smooth interior
Thermal insulation



2436S

Wall-mounted Securitouch sequential mechanical mixer with ceramic cartridge	
With swivelling spout	
STOP/CHECK connectors	**2436**
Standard connectors	**2436S**
With fixed spout	
STOP/CHECK connectors	**2437**
Standard connectors	**2437S**
Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*	

Securitouch mixer

Wall-mounted mechanical mixer with pressure-balancing or ceramic cartridge, swivelling spout, smooth interior



- **Securitouch thermal insulation prevents burns.**
- **Flat, swivelling under spout** with hygienic flow straightener.
- Spout suitable for fitting a BIOFIL point-of-use filter *(see page 23)*.
- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body and spout with smooth interiors and low water volume** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate regulated at 5 lpm.
- Supplied with 2 wall connectors M½" M¾" *(see page 104)*.
- Suitable for people with reduced mobility. 30-year warranty.



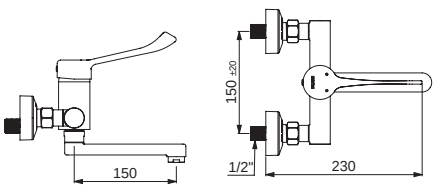
Sculptured lever

On EP pressure-balancing versions:

- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.



Low water volume + smooth interior
= very little biofilm
Thermal insulation



2446LEP

	150mm centres	200mm centres
Wall-mounted Securitouch mechanical mixer		
With pressure-balancing, spout L. 150mm		
Sculptured control lever, offset STOP/CHECK connectors	**2446EP**	-
Sculptured control lever, offset standard connectors	**2446EPS**	-
Hygiene control lever L. 150mm, offset STOP/CHECK connectors	**2446LEP**	-
Hygiene control lever L. 150mm, offset standard connectors	**2446LEPS**	-
Hygiene control lever L. 150mm, in-line STOP/CHECK connectors	**2446LEPUK**	**2447LEPUK**
With pressure-balancing, spout L. 200mm		
Sculptured control lever, STOP/CHECK connectors	**2445EP**	-
Sculptured control lever, standard connectors	**2445EPS**	-
Hygiene control lever L. 150mm, STOP/CHECK connectors	**2445LEP**	-
Hygiene control lever L. 150mm, standard connectors	**2445LEPS**	-
With standard ceramic cartridge, spout L. 150mm		
Sculptured control lever, offset STOP/CHECK connectors	**2446**	-
Sculptured control lever, offset standard connectors	**2446S**	-
Hygiene control lever L. 150mm, offset STOP/CHECK connectors	**2446L**	-
Hygiene control lever L. 150mm, offset standard connectors	**2446LS**	-
Hygiene control lever L. 150mm, in-line STOP/CHECK connectors	-	**2447LUK**
With standard ceramic cartridge, spout L. 200mm		
Sculptured control lever, STOP/CHECK connectors	**2445**	-
Sculptured control lever, standard connectors	**2445S**	-
Hygiene control lever L. 150mm, STOP/CHECK connectors	**2445L**	-
Hygiene control lever L. 150mm, standard connectors	**2445LS**	-

Options: wastes *(see page 99)*, BIOFIL tap filters *(see page 23)*

Wall-mounted mixer

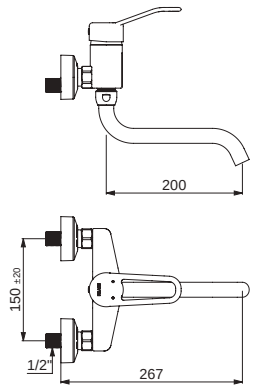
Mechanical mixer with ceramic cartridge, smooth interior



- **Swivelling, tubular under spout L. 200mm,** Ø 22mm with brass, star-shaped flow straightener.
- Ø 40mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- **Spout with smooth interior** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Flow rate 26 lpm at 3 bar.
- Supplied with 2 offset wall connectors M½" M¾" *(see page 104).*
- 30-year warranty.



Hygiene lever



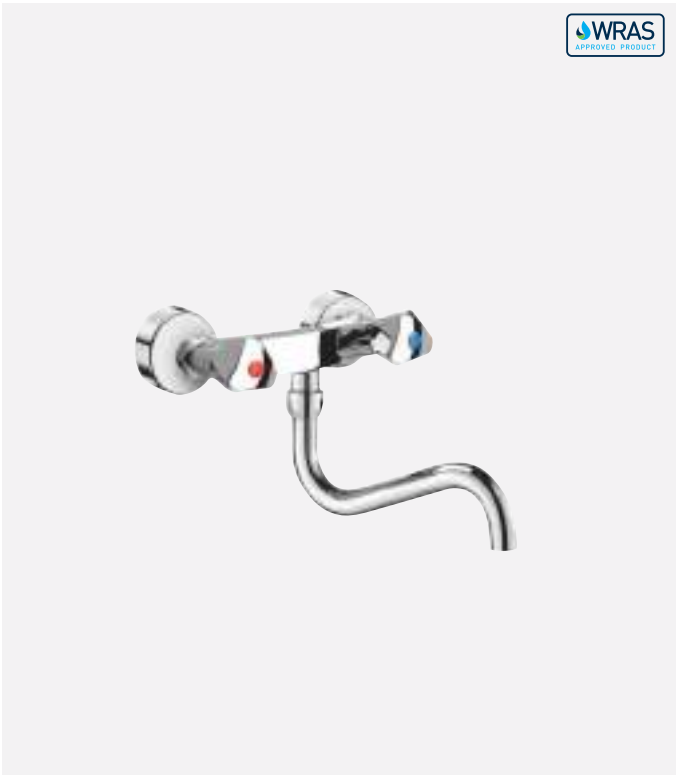
2519

Wall-mounted mechanical mixer with standard ceramic cartridge	
Sculptured control lever	
Offset STOP/CHECK connectors	**2519**
Offset standard connectors	**2519S**
Hygiene control lever L. 150mm	
Offset STOP/CHECK connectors	**2519L**
Offset standard connectors	**2519LS**

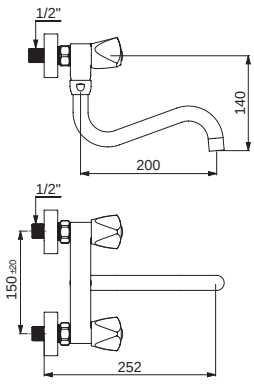
Options: wastes *(see page 99),* other connectors available *(see page 104)*

Wall-mounted mixer

Mechanical mixer with ceramic valve heads, smooth interior



- **Swivelling, tubular under spout L. 200mm** Ø 22mm with brass, star-shaped flow straightener.
- **Spout with smooth interior** (reduces bacterial development).
- Tested without water to comply with NHS requirements (UK).
- Chrome-plated metallic controls.
- Ceramic valve heads.
- Supplied with 2 offset wall connectors M½" M¾" *(see page 104).*
- 30-year warranty.



5445T2S

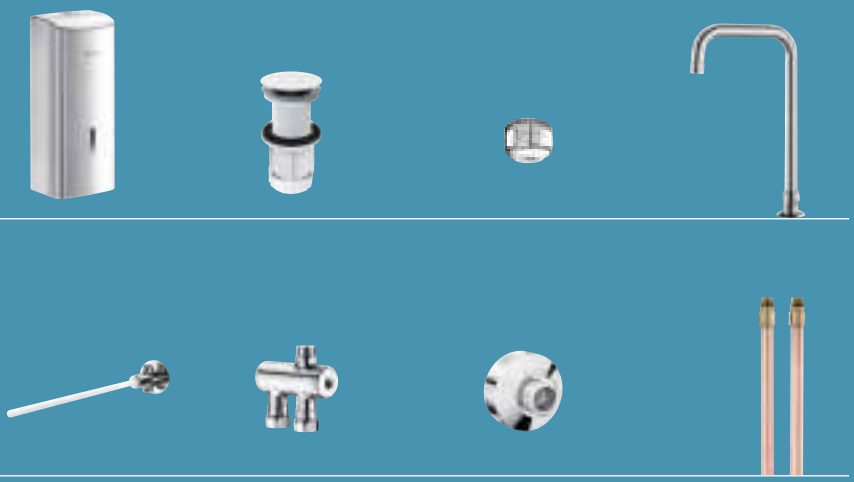
Wall-mounted mechanical mixer with ceramic valve heads	5445T2S

Options: wastes *(see page 99),* other connectors available *(see page 104)*


DELABIE

Accessories for basins & sinks

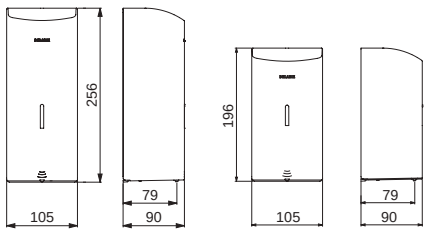
BASIN & SINK ACCESSORIES
96



Electronic liquid soap dispenser
Battery-operated



- **Vandal-resistant model with lock and standard DELABIE key.**
- **No manual contact:** hands are automatically detected by infrared cell (detection distance can be adjusted).
- **Bacteriostatic 304 stainless steel** cover.
- **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.
- Low battery indicator light.
- Tank with large opening: easy to refill soap from large containers.
- Window allows soap level to be checked.
- Stainless steel thickness: 1mm.
- Capacity: 0.5 litre or 1 litre.
- For vegetable-based liquid soap with a maximum viscosity of 3,000 mPa.s.
- Compatible with hydroalcoholic gel.
- CE marked.
- 30-year warranty.



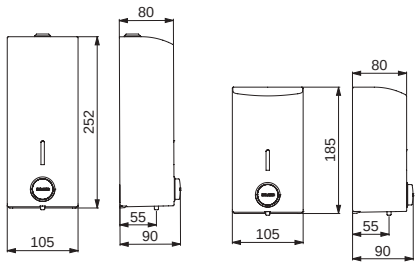
512066 512566

Electronic soap dispenser - 0.5 litre	
Bright 304 stainless steel	**512566P**
Satin 304 stainless steel	**512566S**
White powder-coated 304 st. steel	**512566W**
Electronic soap dispenser - 1 litre	
Bright 304 stainless steel	**512066P**
Satin 304 stainless steel	**512066S**
White powder-coated 304 st. steel	**512066W**

Liquid soap dispenser
With soft-touch operation



- **Vandal-resistant model with lock and standard DELABIE key.**
- **Bacteriostatic 304 stainless steel** cover.
- **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 (waterproof) pump-action dispenser.
- Tank with large opening: easy to refill soap from large containers.
- Tank prevents long-term stagnation of soap.
- Window allows soap level to be checked.
- Stainless steel thickness: 1mm.
- Capacity: 0.5 or 1 litre.
- For vegetable-based liquid soap with a maximum viscosity of 3,000 mPa.s.
- Compatible with hydroalcoholic gel.
- 30-year warranty.



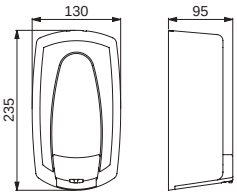
510580 510583

Liquid soap dispenser - 0.5 litre	
Bright 304 stainless steel	**510583**
Satin 304 stainless steel	**510586**
White powder-coated 304 st. steel	**510584**
Liquid soap dispenser - 1 litre	
Bright 304 stainless steel	**510580**
Satin 304 stainless steel	**510582**
White powder-coated 304 st. steel	**510581**

Liquid soap dispenser
ABS



- White ABS.
- Push-button with non-drip system.
- With lock.
- Level control.
- **Capacity: 0.9 litre.**
- Dimensions: 95 × 130 × 235mm.
- 30-year warranty.



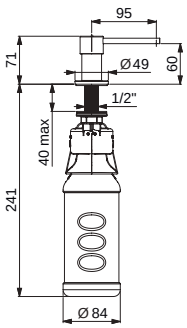
374001

Hypereco liquid soap dispenser	374001

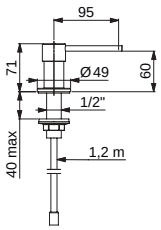
Liquid soap dispenser
Deck-mounted



- Model for installing on washbasins.
- **Vandal-resistant model.**
- Body and push-button made from **bright polished 304 stainless steel.**
- Non-drip system (waterproof).
- **Discreet locking mechanism:** unlocks without special tools and automatic locking.
- Models with tank: compatible with hydroalcoholic gel, top fill (by unscrewing the push-button) or from the lower part (by unscrewing the tank).
- 30-year warranty.



729564



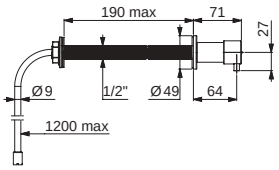
729164

Liquid soap dispenser	
With 1 litre tank	**729064**
With 0.5 litre tank	**729564**
With 1.2m flexible tube for remote tank (not included)	**729164**

Liquid soap dispenser
Cross wall



- **Vandal-resistant model for cross wall installation for walls up to 190mm.**
- Body and push-button made from **bright polished 304 stainless steel.**
- Non-drip system (waterproof).
- Supplied with a 1.2m flexible tube **for remote tanks** (not included).
- 30-year warranty.



729170

Cross wall liquid soap dispenser, for remote tanks	729170

DOME AND MEMBRANE ARE EASY TO REMOVE
Easy to maintain



MEMBRANE PREVENTS BAD SMELLS FROM RISING
Maximum hygiene

WASTE WITH SMOOTH INTERIOR
Maximum hygiene



36 LPM EVACUATION FLOW RATE
Complies with European standard EN 274-1

SAVES SPACE BENEATH THE BASIN
Easy to install

WASTE CONNECTS DIRECTLY TO THE PIPEWORK, NO WATER STAGNATION
Maximum hygiene



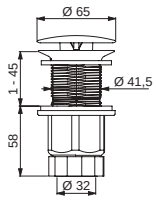
NO WATER LEVEL
Infection control

Featured product: hygienic waste with no water level (ref. 621W)

Hygienic waste without water level
Waste with membrane



- Hygienic water-free waste M1¼".
- Waste with a membrane to prevent bad smells.
- No water level: dome with a cup with a membrane which can be removed from above.
- Membrane can be cleaned and replaced.
- Evacuation flow rate complies with European standard EN 274-1: 36 lpm.
- Waste can be cut to size.
- Not suitable for washbasins with an overflow.
- 30-year warranty.



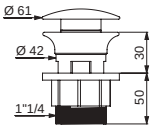
621

Hygienic waste without water level	
White	**621W**
Chrome-plated	**621**

ON/OFF waste
With stainless steel valve



- Washbasin waste M1¼" 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.
- 30-year warranty.



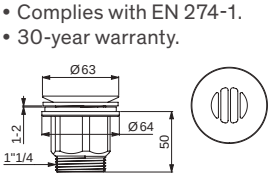
581000

ON/OFF waste	581000

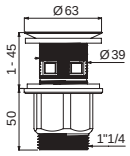
HYGIÉNA waste
With chrome-plated brass concave grid



- Hygienic washbasin waste, M1¼".
- **Concave grid** (no water retention).
- **Free flow, with no central screw** (avoids scale deposits and reduces bacterial development).
- Polished chrome-plated brass grid, chrome-plated ABS body.
- Long model: can be tightened, min. 1mm, max. 45mm; **pre-scored waste** (snap off sections easy to remove for models with overflow). Short model: can be tightened, min. 1mm, max. 2mm; **for stainless steel washbasins.**
- Complies with EN 274-1.
- 30-year warranty.



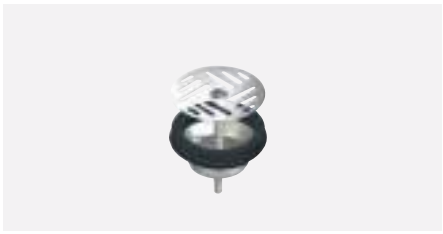
6110



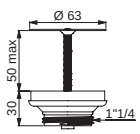
611

HYGIÉNA waste	
Long model	**611**
Short model	**6110**

Waste
With stainless steel grid



- Stainless steel grid Ø 63mm for covering holes up to Ø 54mm maximum.
- Outlet M1¼".
- Central screw.
- 30-year warranty.



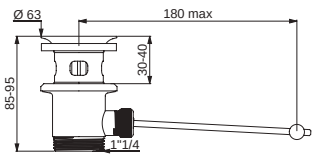
580000

Waste with stainless steel grid	580000

Waste with valve



- Outflow M1¼".
- Chrome-plated stainless steel.
- 30-year warranty.



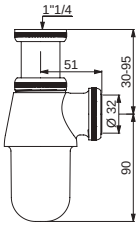
620

Stainless steel waste with valve	620

Trap with horizontal outlet



- Inlet F1¼".
- Horizontal outlet Ø 32mm with nut.
- Water level 50mm.
- Chrome-plated brass.
- 30-year warranty.



517000

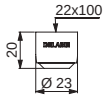
Trap with horizontal outlet	517000

BIOSAFE hygienic outlet
F22×100



- **Free flow outlet F22×100** with no grid or partitions in contact with the water.
- Water cannot stagnate in the internal part.
- Made from Hostaform® (scale-resistant material).
- Chrome-plated brass collar.
- Supplied individually or in packs of 50.

This BIOSAFE outlet can only be installed on a mixer or tap with a restricted flow rate (5 lpm maximum) to ensure a good flow with no splashing.



923022

BIOSAFE hygienic outlet F22×100	
For 25061T1, 2506T1 & H9726 (each)	**923022**
For 25061T1, 2506T1 & H9726 (50 per pack)	**923022.50P**

BIOSAFE hygienic outlet
M24×100



- **Free flow outlet M24×100** with no grid or partitions in contact with the water.
- Water cannot stagnate in the internal part.
- Made from Hostaform® (scale-resistant material).
- Chrome-plated brass collar.
- Supplied individually or in packs of 50.

This BIOSAFE outlet can only be installed on a mixer or tap with a restricted flow rate (5 lpm maximum) to ensure a good flow with no splashing.



923024



922640

BIOSAFE hygienic outlet M24×100	
For 2520 range (each)	**923024**
For 2520 range (50 per pack)	**923024.50P**
For 2620 range (each)	**926024**
For 2564, 2565, 2720 & 2820 ranges	**922640**

BIOSAFE hygienic outlet
M16.5×100



- BIOSAFE outlet M16.5×100 for 2920 and 2664/2665 ranges.
- **Free flow outlet** with no grid or partitions in contact with the water.
- Water cannot stagnate in the internal part.
- Made from Hostaform® (scale-resistant material).
- Supplied individually.

This BIOSAFE outlet can only be installed on a mixer or tap with a restricted flow rate (5 lpm maximum) to ensure a good flow with no splashing.



922660

BIOSAFE hygienic outlet M16.5×100	922660

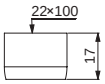
Hygienic flow straightener



- Star-shaped with no grid: reduces bacterial development.
- Chrome-plated brass collar.
- Supplied in packs of 2 or 50.



921024.2P



921022.2P

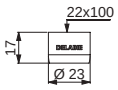
Hygienic flow straightener	
M24×100 (2 per pack)	**921024.2P**
M24×100 (50 per pack)	**921024.50P**
F22×100 (2 per pack)	**921022.2P**
F22×100 (50 per pack)	**921022.50P**

ECO flow straightener
Pre-set at 3 lpm



- Scale-resistant flow straightener pre-set at 3 lpm (DELABIE patented).
- Flow rate can be adjusted from 1.4 - 6 lpm at 3 bar (depending on the tap/mixer model) from the outside using a 2.5mm Allen key.
- Flow straightener with no grid: reduces bacterial development (no water or impurity retention).
- 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.



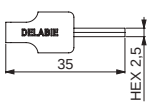
922022.2P

Scale-resistant ECO flow straightener	
M24×100	**922024.2P**
F22×100	**922022.2P**

Chrome-plated Allen key



- 2.5mm Allen key.
- For adjusting the flow rate on the ECO flow straightener (see left) from the outside.



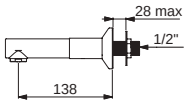
C282025

Chrome-plated Allen key	C282025

Wall-mtd removable BIOCLIP spout
For panels < 20mm



- Ø 60mm base in chrome-plated brass, order a hands-free control to complete.
- Supplied with **2 removable BIOCLIP stainless steel spouts** L. 138mm Ø 28mm for continuous use during cleaning and disinfection. Can be replaced with a BIOFIL filter or disposable Hostaform® spout *(see page 89)*.
- **Base and spout with smooth interiors** (reduces bacterial development).
- 30-year warranty.



1804T2

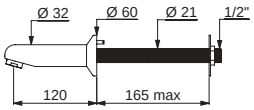
Wall-mounted mixer with BIOCLIP spout	
Disposable spout	**1801T2**
Stainless steel spout	**1804T2**

Options: BIOFIL filter spouts *(see page 25)*, hands-free controls *(see page 102)* or electronic mixers/taps.

Fixed spout
Wall-mounted/Cross wall



- Spout Ø 32mm, M½".
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.



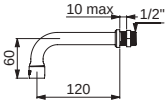
947151

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 L-shaped spout
Wall-mounted



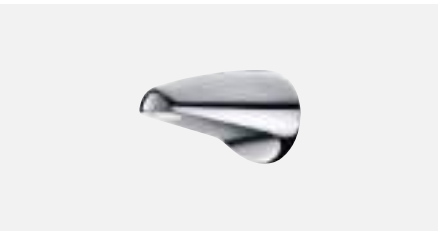
- Tubular spout Ø 18mm, M½".
- L. 120mm.
- Chrome-plated brass.
- Flow straightener.
- 30-year warranty.



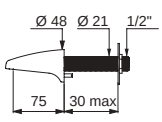
941922

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

Fixed spout
For panels



- Spout L. 75mm, M½".
- For panels.
- Threaded rod can be cut to size.
- Streamlined, ligature-resistant design.
- Chrome-plated brass.
- Star-shaped scale-resistant flow straightener.
- 30-year warranty.



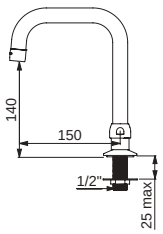
942040

Fixed cross wall spout	
For panels ≤ 30mm	**942040**
Back-nut with 3 screws	**826315**

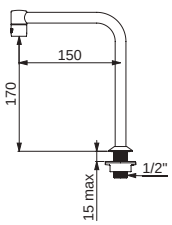
Tubular spout
Deck-mounted



- Tubular spout on base, M½".
- Chrome-plated brass.
- Spout with smooth interior (reduces bacterial development).
- Scale-resistant flow straightener.
- 30-year warranty.



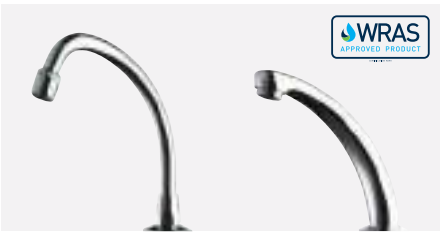
1306T1



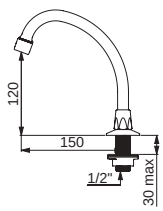
204001

Swivelling tubular spout Ø 22mm	
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**

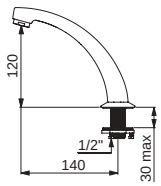
Fixed or swivelling spout
Deck-mounted



- Spout M½".
- Fixing by back-nut on models 967152 and 967202, reinforced fixing by 3 stainless steel screws on model 981142.
- Chrome-plated brass.
- Scale-resistant flow straightener regulated at 3 lpm.
- 30-year warranty.



967152



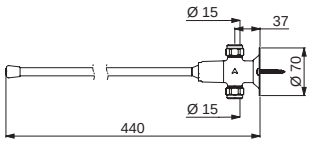
981142

Swivelling swan neck spout	
L. 150mm H. 120mm	**967152**
L. 200mm H. 200mm	**967202**
Fixed cast spout	**981142**

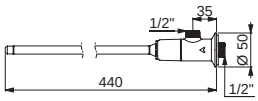
TEMPOGENOU
Knee-operated time flow basin valve



- **Time flow ~7 seconds.**
- Flow rate pre-set at 3 lpm at 3 bar, can be adjusted from 1.4 - 6 lpm.
- Reinforced control lever.
- Solid brass wall plate with reinforced fixing via 4 stainless steel screws on the in-line models.
- Cold or mixed water supply.
- **Chrome-plated brass body.**
- 30-year warranty.



73544715



734100

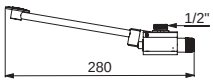
TEMPOGENOU valve	
Straight for in-line inlet, M½" with stud nut	**735000**
Straight for in-line inlet, M½"	**735400**
Straight for in-line inlet, Ø 15mm for compression fittings	**73544715**
Angled for recessed inlet, M½"	**734100**

We recommend installing a TMV *(see opposite)*
Option: spouts *(see page 101)*

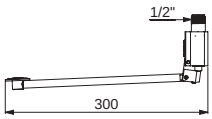
MIXFOOT/MONOFOOT
Foot-operated basin mixer/valve with instant shut-off



- **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.
- 30-year warranty.



739100



736102

MIXFOOT mixer	
Floor-mounted M½"	**739100**
Wall-mounted M½"	**739102**
MONOFOOT valve	
Floor-mounted, stud nut Ø 14mm	**736001**
Floor-mounted M½"	**736101**
Wall-mounted M½"	**736102**

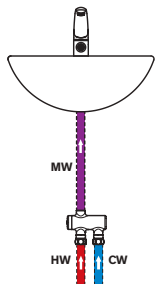
We recommend installing a TMV *(see opposite)* with the MONOFOOT valve
Option: spouts *(see page 101)*

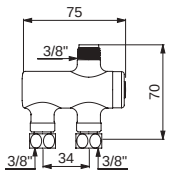
PREMIX NANO

Thermostatic mixing valve

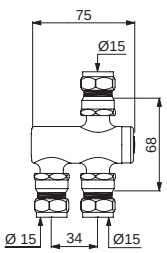


- For installation upstream of the tap.
- For 1 - 2 taps or 1 shower.
- Anti-scalding failsafe: automatic shut-off if hot or cold water supply fails.
- For ref.s 732115 and 732116: tested without water to comply with NHS requirements (UK). No pre-set temperature.
- Temperature pre-set at 38°C, can be adjusted by the installer from 34 - 60°C.
- Brass body.
- Filters and non-return valves.
- Recommended flow rate range: 3 - 12 lpm.
- Thermal shocks are possible.
- 30-year warranty.

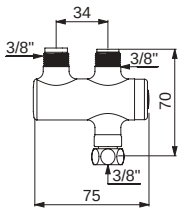




732012 / 732016



732115 / 732116



732216

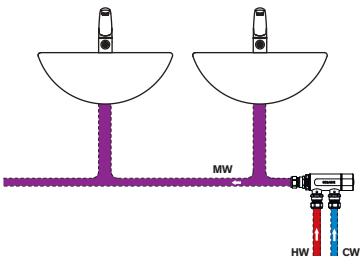
PREMIX NANO	
Nickel-plated body, inlets F⅜" and outlet M⅜"	732012
Polished chrome body, inlets F⅜" and outlet M⅜"	732016
Nickel-plated body M½", Ø 15mm - tested without water (NHS compliant)	732115
Nickel-plated body M½", Ø 15mm	732125
Nickel, F½ " Ø 15mm	732115MEC
Polished chrome body M½", Ø 15mm - tested without water (NHS compliant)	732116
Polished chrome body M½", Ø 15mm	732126
Polished chrome body, HW inlet F⅜", CW inlet M⅜", MW outlet M⅜"	732216
Polished chrome body, HW inlet F⅜", CW inlet M⅜", MW outlet M⅜" + connection kit ⅜"	732230

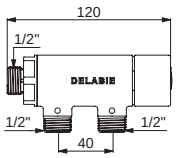
PREMIX COMPACT

Thermostatic mixing valve

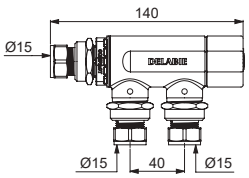


- For installation upstream of the tap.
- For 2 to 11 taps (depending on the flow rate).
- Anti-scalding failsafe: automatic shut-off if cold or hot water supply fails.
- For ref.s 733115 and 733116: tested without water to comply with NHS requirements (UK). No pre-set temperature.
- Temperature pre-set at 38°C, can be adjusted by the installer from 30 - 60°C.
- Brass body.
- Filters and non-return valves.
- Recommended flow rate range: 5 - 33 lpm.
- Thermal shocks are possible.
- Centres: 40mm.
- 30-year warranty.





733015



733116

PREMIX COMPACT	
M½"	733015
M¾"	733020
M½", Ø 15mm - tested without water (NHS compliant)	733115
M¾", Ø 15mm - tested without water (NHS compliant)	733116
M½", Ø 15mm	733125
M¾", Ø 15mm	733126

STOP/CHECK connectors
Wall-mounted connectors M½" M¾"



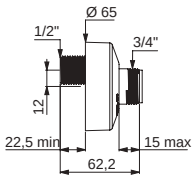
- Offset chrome-plated connectors Ø 65mm for wall-mounted mixers.
- M½" M¾".
- Chrome-plated brass connectors.
- Supplied in packs of 2.
- **Ideal for hospitals.**
- 30-year warranty.

Connectors include:

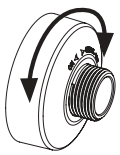
Manual escutcheon control:
stopcock position and/or non-return valve check.

STOP function:
- Allows isolation of the water supply so that the mixer can be easily removed for descaling, cleaning or maintenance.
- Allows automatic anti-scalding safety to be checked on SECURITHERM thermostatic and EP pressure-balancing mixers.

CHECK function:
Allows non-return valves to be checked on the respective mixer if the mixer is fitted with them (DELABIE patent).



855755.2P

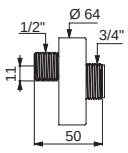


STOP/CHECK connectors	
In-line	**855755UK.2P**
Offset, 12mm centres	**855755.2P**

Offset standard connectors
Wall-mounted connectors M½" M¾"



- Offset chrome-plated standard connectors, 11mm centres, L. 50mm for wall-mounted mixers.
- M½" M¾".
- Escutcheon Ø 64mm.
- Chrome-plated brass.
- Supplied in packs of 2.
- 30-year warranty.



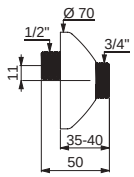
856794.2P

Offset standard connectors	
Offset standard connectors	**856794.2P**

Offset standard connectors
Wall-mounted connectors M½" M¾"



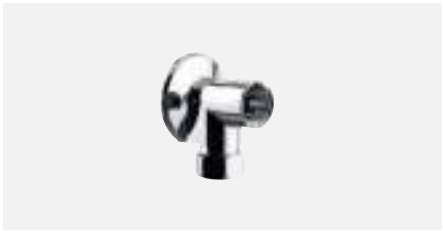
- Offset chrome-plated standard connectors Ø 70mm for wall-mounted mixers.
- M½" M¾".
- Chrome-plated brass.
- Supplied in packs of 2.
- 30-year warranty.



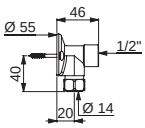
856127.2P

Offset standard connectors	
11mm centres, L. 50mm	**856127.2P**
12mm centres, L. 60mm	**856027.2P**

Reinforced exposed connector
For M½" stopcocks



- Reinforced chrome-plated brass exposed connector.
- Ø 14mm stud nut.
- MF½".
- Fixed by 2 screws 5 × 35mm (supplied).
- 30-year warranty.



841315

Exposed connector	841315

Connector with non-return valve
Chrome-plated brass connector



- Connectors with integral filter to prevent backflow of contaminated water into the system.
- Prevent cross flow of cold and hot water.
- Supplied in packs of 2.
- 30-year warranty.



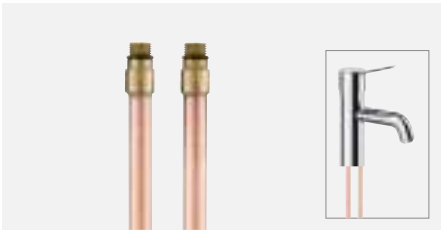
C291AH75



C151AH75

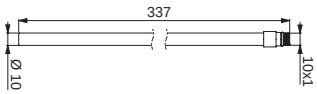
Connector with non-return valve	
For flexibles FM½"	C291AH75
For flexibles FM⅜"	C151AH75

Copper tails
To supply mixers and taps



- Soft-tempered copper tails.
- Can be installed instead of PEX flexibles.
- Better conductors than flexibles.
- Improves efficiency of thermal shocks.
- Supplied in packs of 2.
- 30-year warranty.

Pro tip: 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 further information.



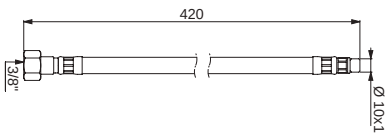
811610.2P

Copper tails	
M10 × 1 L. 337mm	811610.2P
M11 × 1 L. 337mm	811611.2P
Ø 14.6mm L. 363mm for 2620 range	811612.2P

PEX flexible hoses F⅜"
To supply mixers and taps



- PEX core, interior Ø 6mm, braided stainless steel sheath.
- Withstand thermal shocks up to 90°C max. (recommended 65°C) and chlorine shocks.
- Maximum pressure: 10 bar.
- Supplied in packs of 2.
- 30-year warranty.



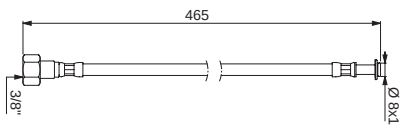
FLEXPEX2

PEX Flexibles F⅜"	
M10 × 1 L. 420mm	FLEXPEX2
M10 × 1 L. 525mm	FLEXPEX3
M10 × 1 L. 660mm	FLEXPEX4

PEX rotating flexibles F⅜"
Unions for 2620 mixers



- PEX core, interior Ø 6mm, braided stainless steel sheath.
- Rotating unions facilitate installation (non-twist).
- Withstand thermal shocks up to 90°C max. (recommended 65°C) and chlorine shocks.
- Maximum pressure: 10 bar.
- Supplied in packs of 2.
- 30-year warranty.



FLEXPEX6

PEX flexible hoses, F⅜" with rotating unions	FLEXPEX6

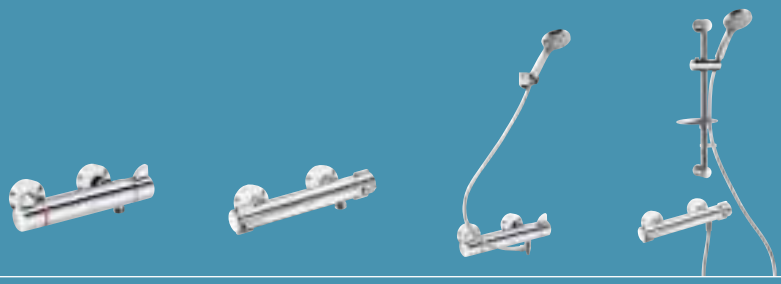

DELABIE

Mixers for showers & baths

SEQUENTIAL THERMOSTATIC MIXERS & KITS
110



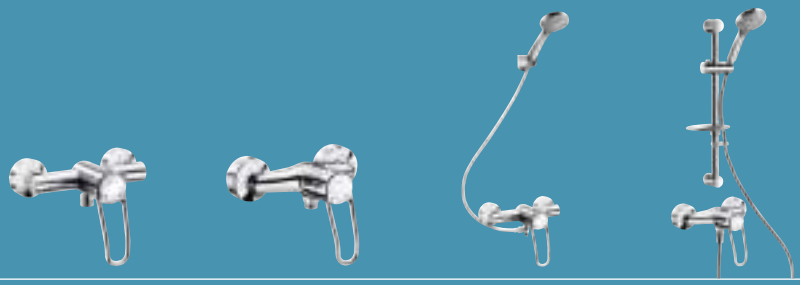
DUAL CONTROL THERMOSTATIC MIXERS & KITS
116



THERMOSTATIC SHOWER PANELS
122



MECHANICAL MIXERS & KITS
129





SECURITHERM sequential thermostatic shower mixer **H9630**
SILVER flexible shower hose **836T3 -** Shower head **813 - Nylon**Clean L-shaped shower grab bar **5071N -** Sliding shower head holder **510110**
Clip-on sliding soap dish **510120N -** Comfort shower seat **510420N -** Backrest **510429N -** Coat hook **4043N -** Floor trap **682001**

ANTI-SCALDING SAFETY

Maximum temperature limiter
All DELABIE's mixers are supplied with a pre-set maximum temperature limiter. The user cannot increase the temperature above the maximum set temperature, reducing the risk of scalding.

Automatic anti-scalding failsafe
- **SECURITHERM thermostatic technology** ensures immediate hot water shut-off if the cold water supply fails. If the cold water supply fails, the European standard EN 1111 allows a slight leak of hot water (0.20L/5 seconds).
  With DELABIE's thermostatic mixers the hot water shut-off is complete (with no trickle of water).
  If the hot water supply fails, DELABIE's SECURITHERM mixers also shut off the cold water supply.
  This avoids the risk of cold showers which may result in a loss of balance or a fall.
- **SECURITHERM pressure-balancing technology,** known as EP, ensures instant and automatic safety. If the Cold Water supply fails, the Hot Water flow rate is reduced, removing the risk of scalding for the user. If the Hot Water supply fails, the Cold Water flow rate is likewise reduced.

Securitouch technology
Specifically designed for patients, people with reduced mobility, elderly people and children, Securitouch technology provides increased safety for superior comfort.
All the internal parts of DELABIE's mixers are specifically designed to reduce the risk of burns when touching the mixer.
For more information see page 13.

Thermal shock feature
With SECURITHERM thermostatic mixers, it is possible to undertake thermal shocks at the temperature of the hot water in the system.
For dual control models:
- without removing the control knob, simply press the little red button with a pointed tool to override the maximum temperature limiter.

For ref. H9741TP:
- unscrew the temperature adjustment cap using an Allen key and turn the valve spindle clockwise all the way to the right to override the temperature setting.

For sequential models:
- remove the control lever to unblock the temperature limiter.

AUTO-DRAINING DEVICE

DELABIE recommends installing its auto-draining device *(ref. 880)* on all shower mixers.
This device allows the shower head and flexible hose to drain automatically, essential in the fight against bacterial proliferation.
To be fully effective, DELABIE recommends connecting the auto-draining device to a short flexible shower hose *(ref. 834T3 or 836T3, page 139).*
Auto-draining shower kits are also available.
They include a mixer fitted with an auto-draining device, a short flexible hose 0.85m long with a shower head and a tilting shower head holder.

BIOSAFE: INFECTION CONTROL

Body with smooth interior
Most shower mixers have bodies with rough interiors. As a result, they provide niches where bacteria can adhere.
All the internal parts of the majority of DELABIE's shower mixers are completely smooth, reducing biofilm attachment and making it easier to treat.

Low volume of standing water in the body
The majority of DELABIE's shower mixers have been specifically designed to reduce the volume of standing water in the body and thus significantly reduce the risk of bacterial development.
In effect, water flows from the inlets to the cartridge via narrow tubes which can only hold a limited volume of water. The risk of bacterial proliferation is reduced.

No non-return valves
HW/CW cross flow is impossible
DELABIE has developed a unique system that enables thermostatic mixers to shut off the Hot Water and Cold Water directly at the inlets, making non-return valves completely redundant.
Cross flow between the HW and CW is impossible.
This reduces the risk of bacterial development considerably.
For more information see page 112.

COMFORT AND ERGONOMICS

Temperature stability
- **SECURITHERM thermostatic mixers** ensure stable temperatures regardless of pressure and flow rate variations in the system. They respond immediately to any changes.
- **Prevents cold showers:** SECURITHERM technology ensures that the cold water supply shuts off automatically if the hot water supply fails.
- **SECURITHERM EP mixers** compensate for the variations in CW and HW pressure at the inlets. They ensure that the water temperature at the outlet remains stable for the user, removing the risk of scalding or cold showers.
- **DELABIE's mechanical mixers** are fitted with an exclusive solution which effectively reduces temperature variations if there are pressure variations in the system.

However, mechanical mixers do not have the precision of thermostatic or EP mixers and they are not fitted with an anti-scalding safety.
They provide an intermediate economic solution.

Reduced risk of Hot Water/Cold Water cross flow
On the new generation of DELABIE's mechanical mixers, the hot water can only flow back into the cold water supply (or vice versa) if the pressure differential between the inlets is greater than 1 bar.
Therefore, the risk of cross flow between the HW/CW is very small, unlike other mixers.
As a result, the risk of bacterial proliferation is reduced.
Moreover, this solution removes the need for non-return valves to be installed.





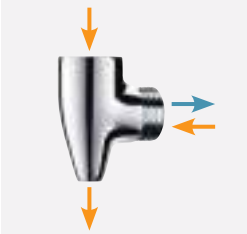
Body with smooth interior



Low volume of standing water



Securitouch technology: cool-touch



Auto-draining device



SECURITHERM Securitouch shower mixer

Sequential thermostatic mixer, with no non-return valves





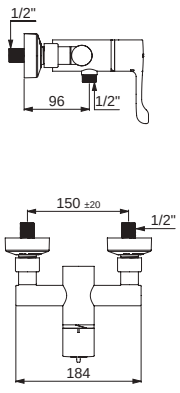
- **Sequential:** opens and closes with cold water *(see page 112).*
- **No risk of cross flow between hot and cold water.**
  No non-return valves on the inlets.
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails.
- **Prevents cold showers:** automatic shut-off if hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Scale-resistant **sequential thermostatic cartridge.**
- Temperature control: cold water up to 39°C.
- Temperature limiter set at 39°C.
- For ref.s H963015 and H964015: tested without water to comply with NHS requirements (UK). No pre-set temperature.
- Thermal shocks are possible.
- **Body with smooth interior and low water volume** (reduces bacterial development).
- Flow rate regulated at 9 lpm.
- Hygiene control lever L. 100mm.
- Top or bottom outlet options.
- Supplied with 2 offset STOP/CHECK connectors M½" M¾" (ref. 855755.2P), 2 in-line STOP/CHECK connectors M½" M¾" (ref. 855755UK.2P) or 2 offset standard connectors M½" M¾" (ref. 856794.2P) *(see page 140).*
- Suitable for people with reduced mobility.
- 30-year warranty.



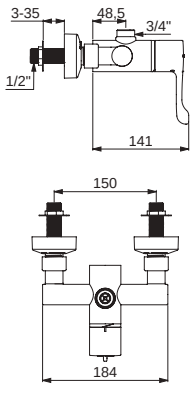
Smooth interior = very little biofilm
Thermal insulation on HW side
No non-return valves

SECURITHERM Securitouch sequential thermostatic shower mixer	
Bottom outlet	
Offset STOP/CHECK connectors	**H9630**
In-line STOP/CHECK connectors - tested without water (NHS compliant)	**H963015**
Offset standard connectors	**H9630S**
Without connectors for renovation	**9630**
Top outlet	
Offset STOP/CHECK connectors	**H9640**
In-line STOP/CHECK connectors - tested without water (NHS compliant)	**H964015**
Offset standard connectors	**H9640S**

Options: hydrotherapy accessories *(see pages 137 - 139),* BIOFIL shower head filters *(see page 138),* auto-draining device *(see page 140),* floor traps *(see page 143)*



H9630



H964015

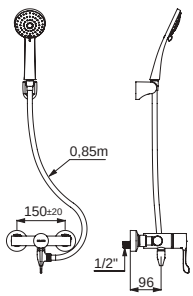
SECURITHERM auto-draining shower kit
With Securitouch sequential thermostatic mixer



Shower kit with auto-draining device includes:
- **Mixer with** scale-resistant **sequential thermostatic cartridge:**
  - Opens and closes with cold water.
  - **No risk of cross flow between hot and cold water.**
    No non-return valves on the inlets.
  - **Anti-scalding failsafe:** automatic shut-off if cold water supply fails.
  - **Prevents cold showers:** automatic shut-off if hot water supply fails.
  - **Securitouch thermal insulation prevents burns.**
  - Temperature control: cold water up to 39°C, limiter set at 39°C.
  - Thermal shocks are possible.
  - Flow rate regulated at 9 lpm.
  - Hygiene control lever L. 100mm.
  - M½" bottom outlet.
- Shower head with flexible hose and chrome-plated wall-mounted tilting support.
- **Auto-draining device** FM½" automatically drains the flexible and shower head *(see page 140)*.
- Suitable for people with reduced mobility.
- 30-year warranty.



Smooth interior = very little biofilm
Thermal insulation
No non-return valves

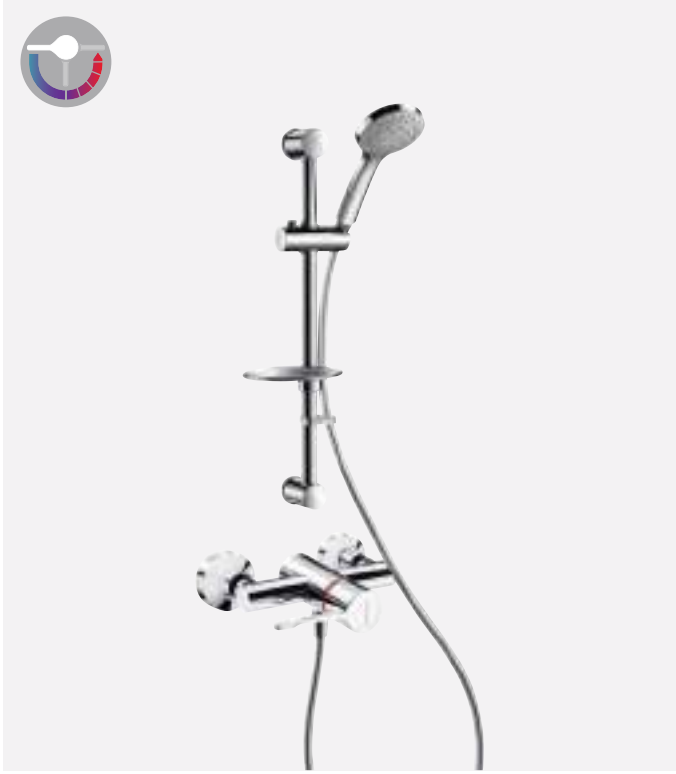


H9630HYG

SECURITHERM Securitouch auto-draining shower kit	
Offset STOP/CHECK connectors	**H9630HYG**
Offset standard connectors	**H9630SHYG**

Options: soap dishes *(see page 142)*, floor traps *(see page 143)*, BIOFIL shower head with integrated filter *(see page 138)*, other connectors available *(see page 140)*

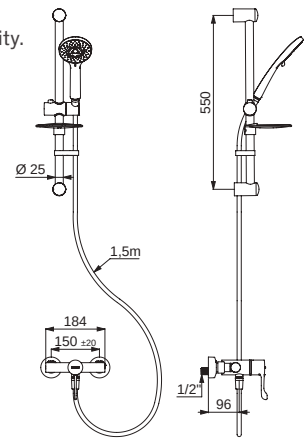
SECURITHERM shower kit with riser rail
With Securitouch sequential thermostatic mixer



Shower kit with riser rail includes:
- **Mixer with** scale-resistant **sequential thermostatic cartridge:**
  - Opens and closes with cold water.
  - **No risk of cross flow between hot and cold water.**
    No non-return valves on the inlets.
  - **Anti-scalding failsafe:** automatic shut-off if cold water supply fails.
  - **Prevents cold showers:** automatic shut-off if hot water supply fails.
  - **Securitouch thermal insulation prevents burns.**
  - Temperature control: cold water up to 39°C, limiter set at 39°C.
  - Thermal shocks are possible.
  - Flow rate regulated at 9 lpm.
  - Hygiene control lever L. 100mm.
  - M½" bottom outlet.
- Sliding shower head on a chrome-plated riser rail with flexible hose and soap dish.
- **Shower hose retaining collar.**
- Suitable for people with reduced mobility.
- 30-year warranty.



Smooth interior = very little biofilm
Thermal insulation
No non-return valves



H9630KIT

SECURITHERM Securitouch shower kit with riser rail	
Offset STOP/CHECK connectors	**H9630KIT**
Offset standard connectors	**H9630SKIT**

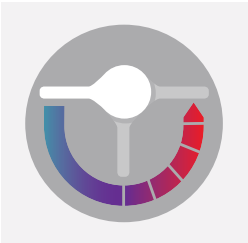
Options: auto-draining device *(see page 140)*, floor traps *(see page 143)*, BIOFIL shower head with integrated filter *(see page 138)*, other connectors available *(see page 140)*



100% WATERPROOF, THE H9633 RECESSED SEQUENTIAL IS WELL CONNECTED!

Improved ergonomics and functionality
The same lateral movement, through a 180° range, opens the water flow and adjusts the temperature.

Opens and closes with cold water
SECURITHERM sequential mixers open and close with cold water for increased anti-scalding safety.



Sequential control to open/close

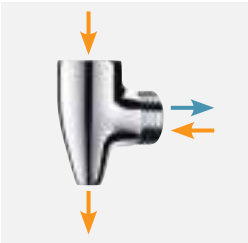
Cold water
Opening with cold water, without any passage of hot water, ensures the supply of only cold water if required.

BIOSAFE: infection control
HW/CW cross flow is impossible
DELABIE has developed a unique system that enables sequential thermostatic mixers to shut off the Hot Water and Cold Water directly at the inlets, making non-return valves redundant. Cross flow between the HW and CW is impossible. This reduces the risk of bacterial development considerably.
For more information see page 11.



Body with smooth interior

Low volume of standing water in the body
Sequential thermostatic mixers have just one mechanism instead of two like dual control models. As a result, fewer components are in contact with the water and there is less standing water in the mixer. The risk of bacterial development is reduced.



Auto-draining device

Automatic anti-scalding failsafe
SECURITHERM thermostatic technology ensures immediate hot water shut-off if the cold water supply fails. If the cold water supply fails, the European standard EN 1111 allows a slight leak of hot water (0.20L/5 seconds).
With DELABIE's thermostatic mixers, the hot water shut-off is complete (with no trickle of water).
If the hot water supply fails, DELABIE's SECURITHERM mixers also shut off the cold water supply. This avoids the risk of cold showers which may result in a loss of balance or a fall.



Maximum temperature limiter
DELABIE's sequential thermostatic mixers are supplied with a pre-set maximum temperature limiter. The user cannot increase the temperature above the maximum set temperature, reducing the risk of scalding.

Thermal shock feature
With SECURITHERM sequential thermostatic mixers, it is possible to undertake thermal shocks at the temperature of the hot water in the system. Simply remove the control lever to override the temperature limiter.

Temperature stability
SECURITHERM sequential thermostatic mixers ensure stable temperatures regardless of pressure and flow rate variations in the system. They respond immediately to any changes.
In addition, they prevent cold showers ensuring that the cold water supply shuts off if the hot water supply fails.

100% waterproof
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 the collar.

DELABIE's recessed housing is equipped with a collar with integrated seal that clips onto the housing once the wall finish is in place (patented system).
It is completely waterproof without silicone.
Any condensation is evacuated via the plate.
The wall stays intact throughout.
The H9633 recessed sequential mixer is fitted with an elbow outlet which connects directly onto the control plate: the product is therefore 100% waterproof.

Modular
DELABIE's recessed housing can be attached from the sides, front or back, to be fixed to plasterboard rails, load-bearing walls or even thin panels. The installation is therefore modular, and adapts to suit any project.



Plasterboard rails



Load-bearing walls



Thin panels

Adaptable
The ideal positioning of the collar allows the housing to be cut to size lengthwise depending on the wall thickness, whilst still guaranteeing complete waterproofing. The housing adapts to all wall depth requirements, thick or thin, from 10 to 120mm.

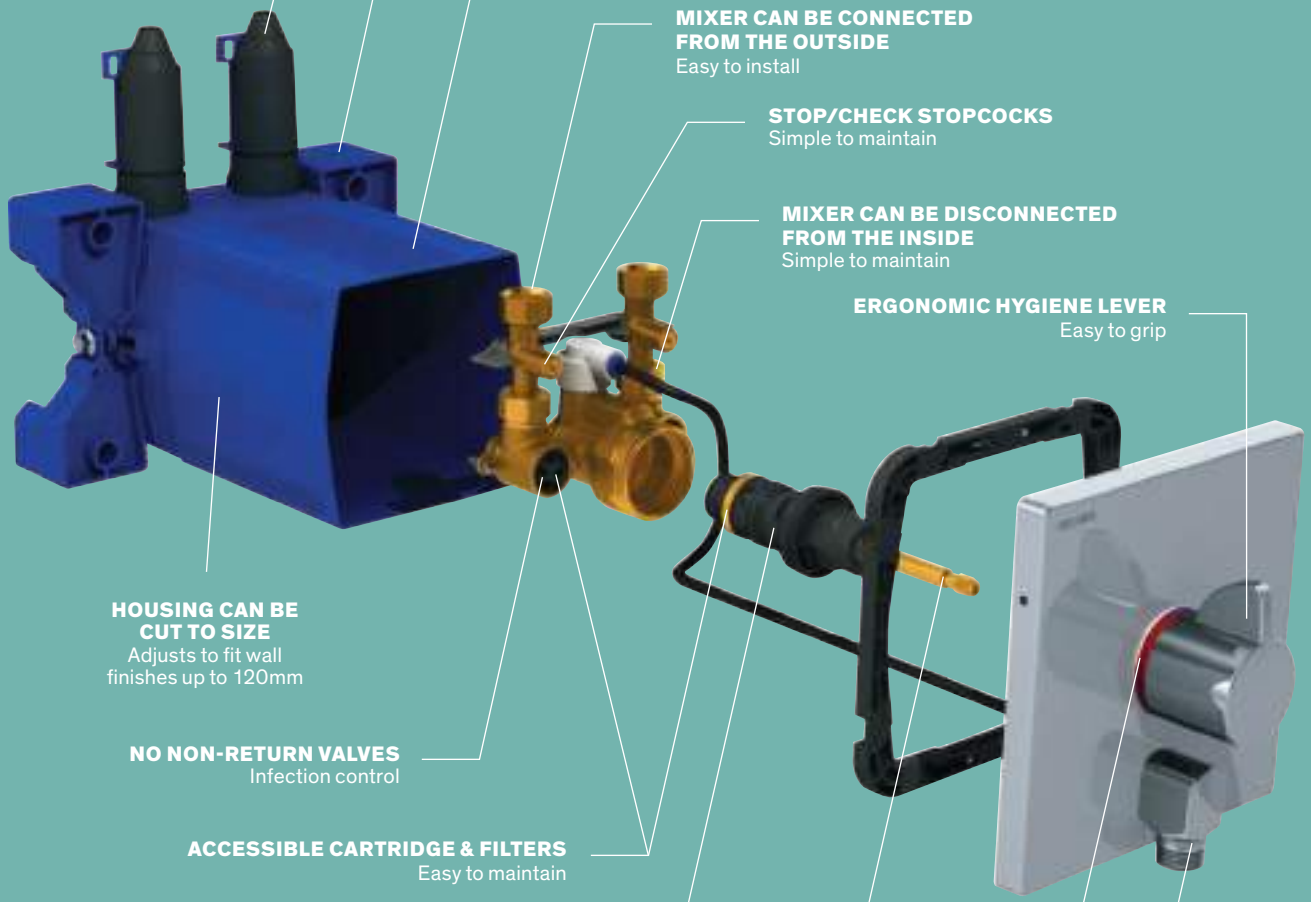
Quick and easy to install
The recessed sequential mixer can be connected to standard pipes or "pipe-in-pipe".
The hydraulic connection is made from the outside of the housing. During the installation, the sequential cartridge and filter are replaced by a temporary casing to facilitate and ensure a safe system flush, without damaging the technical elements.

30-year warranty against any manufacturing defects.
50 years repairability.





Find out more about our range of mixers with retracting hand sprays on pages 77 - 81.



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

STOP/CHECK STOPCOCKS
Simple to maintain

MIXER CAN BE DISCONNECTED FROM THE INSIDE
Simple to maintain

ERGONOMIC HYGIENE LEVER
Easy to grip

HOUSING CAN BE CUT TO SIZE
Adjusts to fit wall finishes up to 120mm

NO NON-RETURN VALVES
Infection control

ACCESSIBLE CARTRIDGE & FILTERS
Easy to maintain

SECURITHERM THERMOSTATIC MIXER
Temperature stability
HW supply shuts off automatically if CW supply fails

OPENS & CLOSES SEQUENTIALLY
Improved ergonomics and functionality

MAXIMUM TEMPERATURE LIMITER
Anti-scalding safety

100% WATERPROOF
Outlet connects quickly and simply from the front

Featured product: SECURITHERM recessed thermostatic shower mixer (ref. H96CBOX + H9633)



SECURITHERM recessed sequential thermostatic shower mixer **H96CBOX + H9633L -** Comfort shower seat to hang on grab bars **510300**
Angled shower grab bar **5481P -** Shower head **813 -** SILVER flexible shower hose **836T1 -** Floor trap **683002**

SECURITHERM recessed shower mixer

Sequential thermostatic mixer in a waterproof housing

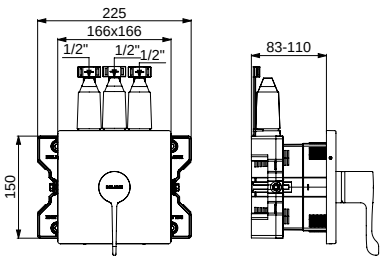




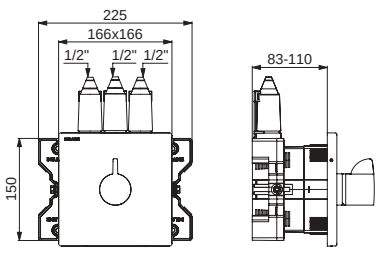
- **Mixer with** scale-resistant **sequential thermostatic cartridge:**
  - Opens and closes with cold water *(see page 112).*
  - **No risk of cross flow between hot and cold water.**
    No non-return valves on the inlets.
  - **Anti-scalding failsafe:** automatic shut-off if cold water supply fails.
  - **Prevents cold showers:** automatic shut-off if hot water supply fails.
  - Temperature control: cold water up to 39°C. Maximum temperature limiter set at 39°C.
  - For ref.s H9631L and H9633L: tested without water to comply with NHS requirements (UK). No pre-set temperature.
  - Thermal shocks are possible.
  - Flow rate regulated at 9 lpm (mixer only), 6 lpm at 3 bar with shower head.
  - M¾" inlets with integrated filters.
- Order a wall-mounted shower head or outlet to complete *(see pages 133 and 141).*
- Bright polished stainless steel wall plate 166 × 166mm.
- **Recessed waterproof housing** *(see page 113):*
  - 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.
  - Stopcocks and flow rate adjustment, filters and cartridge are all integrated and accessible from the front.
  - Supplied in 2 kits: secure system flush without sensitive elements.
- Suitable for people with reduced mobility. 30-year warranty.

SECURITHERM sequential thermostatic shower mixer with no shower head recessed in a waterproof housing	
Hygiene lever L. 100mm	
No elbow outlet Tested without water (NHS compliant)	**H96BOX + H9631L**
With elbow outlet Tested without water (NHS compliant)	**H96CBOX + H9633L**
ERGO control	
No elbow outlet	**H96BOX + H9631**
With elbow outlet	**H96CBOX + H9633**

Options: fixed shower heads *(see page 133),* floor traps *(see page 143)*



H96BOX+H9631L



H96BOX+H9631

SECURITHERM Securitouch shower/shower-bath mixer
Dual control thermostatic mixer



- **Anti-scalding failsafe:** immediate shut-off if cold water supply fails.
- **Prevents cold showers:** shuts off automatically if hot water supply fails.
- **Securitouch thermal insulation prevents burns.**
- Scale-resistant **thermostatic cartridge** for adjusting the temperature.
- ¼-turn ceramic head for adjusting the flow rate.
- Temperature control: 25 - 41°C.
- **Double temperature limiter:** 1st limiter set at 38°C, 2nd limiter set at 41°C. For ref. H9741TP, **maximum temperature limiter** set at 38°C.
- For ref. H9741TP: tested without water to comply with NHS requirements (UK). No pre-set temperature.
- **Thermal shocks are possible** without removing the control knob or shutting off the cold water supply on 9741, H9741, H9741S and H9752S models.
- **Automatic diverter with low pressure lock:** maintains the shower position even if the flow rate is too low on model H9752S.
- ERGO control knobs.
- M½" shower outlet.
- F¾" inlets with integrated filters and non-return valves.
- Supplied with 2 offset STOP/CHECK connectors M½" M¾" (ref. 855755.2P), 2 in-line STOP/CHECK connectors M½" M¾" (ref. 855755UK.2P) or 2 offset standard connectors M½" M¾" (ref. 856794.2P) *(see page 140).*
- Suitable for people with reduced mobility.
- 30-year warranty.

Additional product



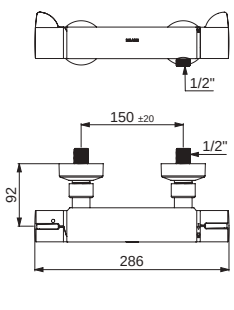
Shelf for shower mixers *(see page 142)*



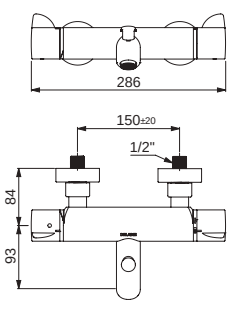
Thermal insulation

SECURITHERM Securitouch thermostatic shower mixer	
Offset STOP/CHECK connectors	**H9741**
In-line STOP/CHECK connectors - tested without water (NHS compliant)	**H9741TP**
Offset standard connectors	**H9741S**
Without connectors for renovation	**9741**
SECURITHERM Securitouch thermostatic shower-bath mixer	**H9752S**

Options: hydrotherapy accessories *(see pages 137 - 139),* BIOFIL shower head filters *(see page 138),* auto-draining device *(see page 140),* floor traps *(see page 143)*



H9741



H9752S

SECURITHERM auto-draining shower kit

With Securitouch dual control thermostatic mixer

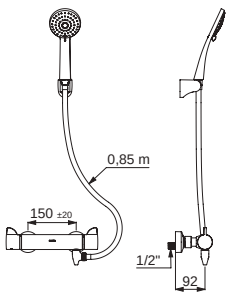


Shower kit with auto-draining device includes:

- **Dual control mixer with** scale-resistant **thermostatic cartridge:**
  - **Anti-scalding failsafe:** immediate shut-off if cold water supply fails.
  - **Prevents cold showers:** shuts off automatically if hot water supply fails.
  - **Securitouch thermal insulation prevents burns.**
  - Temperature control: 25 - 41°C.
  - **Double temperature limiter:** 1st limiter set at 38°C, 2nd limiter set at 41°C. **Thermal shocks are possible.**
  - Flow rate regulated at 9 lpm.
  - ERGO control knobs.
  - M½" shower outlet.
  - F¾" inlets with integrated filters and non-return valves.
- Shower head with flexible hose and chrome-plated, wall-mounted tilting support.
- **Auto-draining device** FM½" automatically drains the flexible and shower head *(see page 140)*.
- Suitable for people with reduced mobility.
- 30-year warranty.



Thermal insulation



H9741HYG

SECURITHERM Securitouch auto-draining shower kit	
Offset STOP/CHECK connectors	**H9741HYG**
Offset standard connectors	**H9741SHYG**

Options: soap dishes *(see page 142)*, floor traps *(see page 143)*, BIOFIL shower head with integrated filter *(see page 138)*, other connectors available *(see page 140)*

SECURITHERM shower kit with riser rail

With Securitouch dual control thermostatic mixer

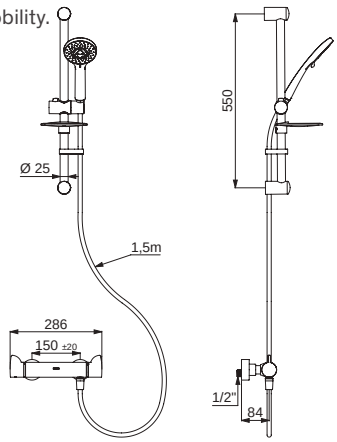


Shower kit with riser rail includes:

- **Dual control mixer with** scale-resistant **thermostatic cartridge:**
  - **Anti-scalding failsafe:** immediate shut-off if cold water supply fails.
  - **Prevents cold showers:** shuts off automatically if hot water supply fails.
  - **Securitouch thermal insulation prevents burns.**
  - Temperature control: 25 - 41°C.
  - **Double temperature limiter:** 1st limiter set at 38°C, 2nd limiter set at 41°C. **Thermal shocks are possible.**
  - Flow rate regulated at 9 lpm.
  - ERGO control knobs.
  - M½" shower outlet.
  - F¾" inlets with integrated filters and non-return valves.
- Sliding shower head on a chrome-plated riser rail with flexible hose and soap dish.
- **Shower hose retaining collar.**
- Suitable for people with reduced mobility.
- 30-year warranty.



Thermal insulation



H9741SKIT

SECURITHERM Securitouch shower kit with riser rail	
Offset STOP/CHECK connectors	**H9741KIT**
Offset standard connectors	**H9741SKIT**

Options: auto-draining device *(see page 140)*, floor traps *(see page 143)*, BIOFIL shower head with integrated filter *(see page 138)*, other connectors available *(see page 140)*

SECURITHERM shower mixer

Dual control thermostatic mixer



- **Anti-scalding failsafe:** immediate shut-off if cold water supply fails.
- **Prevents cold showers:** shuts off automatically if hot water supply fails.
- Scale-resistant **thermostatic cartridge** for adjusting the temperature.
- ¼-turn ceramic head for adjusting the flow rate.
- Temperature control: 25 - 40°C.
- Maximum temperature limiter set at 38°C.
- **Thermal shocks are possible** without removing the control knob or shutting off the cold water supply *(see page 13)*.
- Flow rate regulated at 9 lpm.
- CLASSIC control knobs.
- M½" shower outlet.
- F¾" inlets with integrated filters and non-return valves.
- Supplied with 2 offset wall connectors M½" M¾" *(see page 140)*.
- Suitable for people with reduced mobility.
- 30-year warranty.

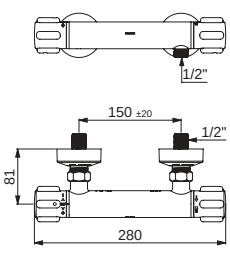
Additional product



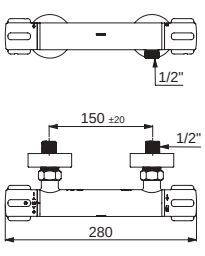
Shelf for shower mixers *(see page 142)*

SECURITHERM thermostatic shower mixer	
Offset STOP/CHECK connectors	**H9739**
Offset standard connectors	**H9739S**

Options: auto-draining device *(see page 140)*, hydrotherapy accessories *(see pages 137 - 139)*, other connectors available *(see page 140)*



H9739

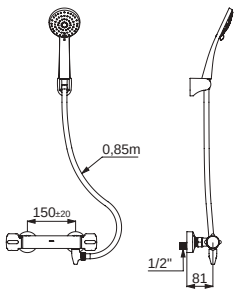


H9739S

SECURITHERM auto-draining shower kit
With dual control thermostatic mixer



Shower kit with auto-draining device includes:
- Dual control mixer with scale-resistant thermostatic cartridge:
  - Anti-scalding failsafe: immediate shut-off if cold water supply fails.
  - Prevents cold showers: shuts off automatically if hot water supply fails.
  - Temperature control: 25 - 40°C.
  - Maximum temperature limiter set at 38°C.
  - Thermal shocks are possible.
  - Flow rate regulated at 9 lpm.
  - CLASSIC control knobs.
  - M½" shower outlet.
  - F¾" inlets with integrated filters and non-return valves.
- Shower head with flexible hose and chrome-plated, wall-mounted tilting support.
- Auto-draining device FM½" automatically drains the flexible and shower head *(see page 140)*.
- Suitable for people with reduced mobility.
- 30-year warranty.



H9739HYG

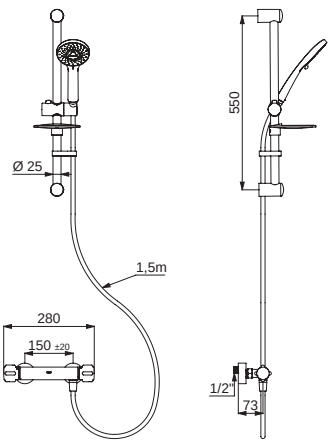
SECURITHERM auto-draining shower kit	
Offset STOP/CHECK connectors	**H9739HYG**
Offset standard connectors	**H9739SHYG**

Options: soap dishes *(see page 142)*, floor traps *(see page 143)*, BIOFIL shower head with integrated filter *(see page 138)*, other connectors available *(see page 140)*

SECURITHERM shower kit with riser rail
With dual control thermostatic mixer



Shower kit with riser rail includes:
- Dual control mixer with scale-resistant thermostatic cartridge:
  - Anti-scalding failsafe: immediate shut-off if cold water supply fails.
  - Prevents cold showers: shuts off automatically if hot water supply fails.
  - Temperature control: 25 - 40°C.
  - Maximum temperature limiter set at 38°C.
  - Thermal shocks are possible.
  - Flow rate regulated at 9 lpm.
  - CLASSIC control knobs.
  - M½" shower outlet.
  - F¾" inlets with integrated filters and non-return valves.
- Sliding shower head on a chrome-plated riser rail with flexible hose and soap dish.
- Shower hose retaining collar.
- Suitable for people with reduced mobility.
- 30-year warranty.



H9739SKIT

SECURITHERM shower kit with riser rail	
Offset STOP/CHECK connectors	**H9739KIT**
Offset standard connectors	**H9739SKIT**

Options: auto-draining device *(see page 140)*, floor traps *(see page 143)*, BIOFIL shower head with integrated filter *(see page 138)*, other connectors available *(see page 140)*



Reduced-stagnation solenoid valve



Anti-scalding safety



Comfortable spray



Choice of sizes and finishes

30 YEAR WARRANTY

BIOSAFE: INFECTION CONTROL

Electronic shower panels

- **Open/close 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**
  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.

Time flow shower panels

- **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.

SPECIALIST DESIGN

Resistance to intensive use and vandalism
The shower panels are made from durable and resistant materials. The panel fixings are reinforced and concealed. The ends are concealed to make the back of the panel inaccessible.
To prevent abuse and waste, the security shut-off system on electronic models prevents the valve from being blocked in continuous flow.

Superior endurance
The piston-operated solenoid valve on electronic models and the hydraulic time flow system with calibrated groove on time flow models are self-cleaning which extends their lifespans to over 500,000 cycles.

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

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

80% WATER AND ENERGY SAVINGS

Water savings
Compared to conventional showers, these 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**
  - For electronic models:
    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.
  - For time flow models:
    the time flow is automatic and shuts off after approximately 30 seconds of flow.
    The flow time is reduced to the necessary minimum (wetting, rinsing).
- **Flow rate 6 lpm**
  DELABIE's shower panels are regulated at 6 lpm. The flow rate remains constant regardless of pressure variations in the system.
- **Energy savings**
  - For electronic models:
    the 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.
  - For time flow models:
    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.

COMFORT AND ERGONOMICS

Comfortable to use

- **Electronic models with ON/OFF mode: activation with no manual contact**
  Electronic detection allows all users to use the shower with no effort required.
  Voluntary activation and closure, with no manual contact, provide perfect hygiene.
- **Time flow models with Soft technology: soft-touch operation**
  DELABIE has developed time flow controls with soft-touch operation. Soft technology allows all users to use showers with no effort required.
  The shower panels are fitted with a priming system that requires half the effort to operate a conventional shower valve.
- **Prevents cold showers**
  SECURITHERM technology ensures the cold water supply shuts off if the hot water supply fails.

Comfortable rain-effect spray
The specially designed nozzle delivers a comfortable spray which provides effective coverage and a reduced noise level.



FLOW RATE REGULATED AT 6 LPM
Water savings

RAIN-EFFECT SPRAY
Comfortable shower

STREAMLINED DESIGN
LIGATURE-RESISTANT
Reducing the risk of harm

ANODISED ALUMINIUM PANEL
Easy to clean

ON/OFF CONTROL WITH NO CONTACT
Guaranteed hygiene

SECURITHERM TECHNOLOGY
Temperature stability
Maximum anti-scalding safety
Prevents cold showers

SHOCK-RESISTANT SENSOR
Withstands intensive use

THERMAL SHOCKS
System hygiene

LIGATURE-RESISTANT COLLAR
Reducing the risk of harm

TEMPERATURE CONTROL
Improved comfort

6V LITHIUM BATTERY
Average lifespan
3 - 6 years
(~350,000 cycles).
Can be replaced without
shutting off the water
or removing the panel

REINFORCED AND CONCEALED FIXINGS
Vandal-resistant

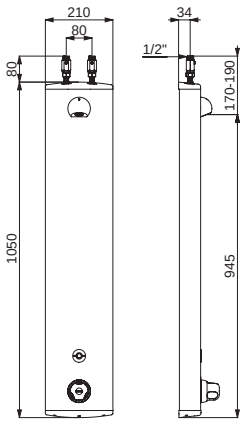
Featured product: SECURITHERM electronic shower panel (ref. 792410)

SECURITHERM aluminium shower panel

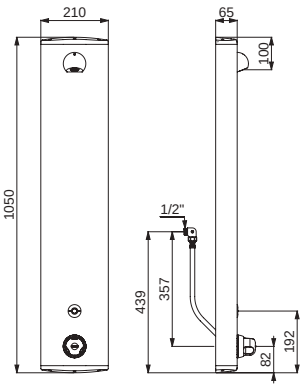
With electronic thermostatic mixer



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower 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: temperature limiter fixed at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails.
- **Prevents cold showers:** automatic shut-off if hot water supply fails.
- Thermal shocks are possible.
- **Battery-operated with 223 CR-P2 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, can be adjusted, comfortable rain-effect spray.
- Chrome-plated, tamperproof **fixed ROUND shower head.**
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



792400



792410UK

SECURITHERM aluminium electronic shower panel	
Top inlet via in-line stopcocks M½"	**792400**
Top inlet via in-line stopcocks M½" Ø 15mm for compression fittings*	**79240015**
Concealed inlet via flexibles M½"	**792410**
Concealed inlet via flexibles M½"*	**792410UK**

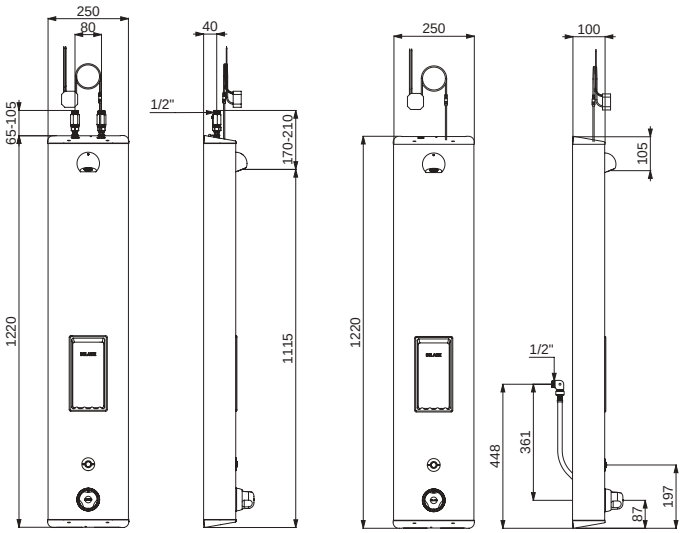
* Single temperature limiter set at 41°C
Option: extension for shower panel *(see page 142).*
We recommend installing a floor trap *(see page 143)*

SECURITHERM stainless steel shower panel

With electronic thermostatic mixer



- Large, satin stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower 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 water supply fails.
- **Prevents cold showers:** automatic shut-off if hot water supply fails.
- Thermal shocks are possible.
- **230/6V mains supply.**
- **Operation:** shower starts when 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, can be adjusted, comfortable rain-effect spray.
- Chrome-plated, tamperproof **fixed ROUND shower head.**
- M½" connections.
- Concealed fixings.
- Filters and non-return valves.
- Stopcocks.
- Suitable for people with reduced mobility.
- 30-year warranty.



792504 792514

SECURITHERM stainless steel electronic shower panel, mains supply	
Top inlet via in-line stopcocks	**792504**
Concealed inlet via flexibles	**792514**

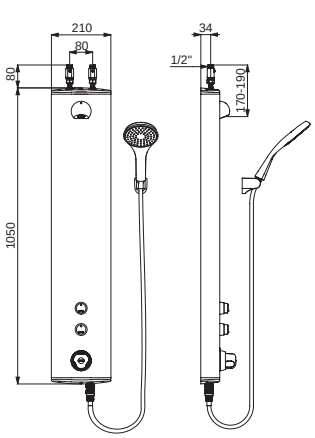
Option: extension for shower panel *(see page 142)*.
We recommend installing a floor trap *(see page 143)*

SECURITHERM aluminium shower panel

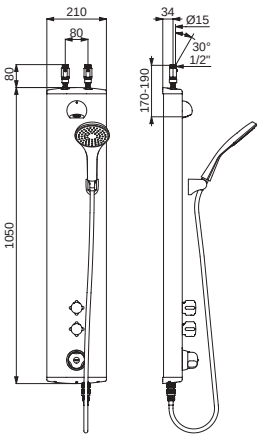
With dual control thermostatic mixer and handset



- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower 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. 79239015: temperature limiter fixed at 41°C).
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails.
- **Prevents cold showers:** automatic shut-off if hot water supply fails.
- Thermal shocks are possible.
- Chrome-plated, tamperproof, **fixed ROUND shower head,** flow rate 6 lpm at 3 bar, can be adjusted, comfortable rain-effect spray.
- **Handset** with removable flexible hose via rapid push-fit STOP connector and wall support supplied.
- **Operation:**
  - models 792320 and 792330: **time flow shower valves ~30 seconds with soft-touch operation** for control of fixed ROUND shower head and handset.
  - models 792390, 79239015 and 792380: **non-time flow shower valves 1/4 turn** for control of fixed ROUND shower head and handset.
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



792320



79239015

SECURITHERM aluminium dual control time flow shower panel	
Top inlet via in-line stopcocks, M½"	**792320**
Concealed inlet via flexibles, M½"	**792330**
SECURITHERM aluminium dual control non-time flow shower panel	
Top inlet via in-line stopcocks, M½"	**792390**
Top inlet via in-line stopcocks, Ø 15mm for compression fittings*	**79239015**
Concealed inlet via flexibles, M½"	**792380**

* Single temperature limiter set at 41°C

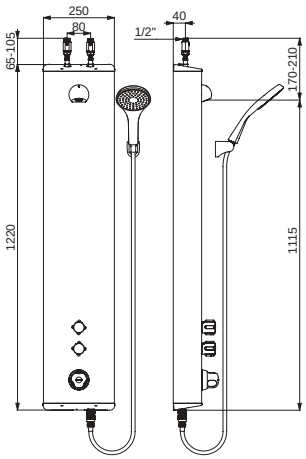
Option: extension *(see page 142)*. We recommend a floor trap *(see page 143)*

SECURITHERM stainless steel shower panel

With dual control thermostatic mixer and handset



- Large, satin stainless steel shower panel for wall-mounted, exposed installation.
- **SECURITHERM thermostatic shower 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 water supply fails.
- **Prevents cold showers:** automatic shut-off if hot water supply fails.
- Chrome-plated, tamperproof, **fixed ROUND shower head,** flow rate 6 lpm at 3 bar, can be adjusted, comfortable rain-effect spray.
- **Handset** with removable flexible hose via rapid push-fit STOP connector and wall support supplied.
- **Operation: 2 non-time flow valves** for control of fixed ROUND shower head and handset.
- Thermal shocks are possible.
- Top inlet via in-line stopcocks M½".
- Concealed fixings.
- Filters and non-return valves.
- Suitable for people with reduced mobility.
- 30-year warranty.



792344

SECURITHERM stainless steel dual control shower panel - Non-time flow	**792344**

Option: extension *(see page 142)*. We recommend a floor trap *(see page 143)*



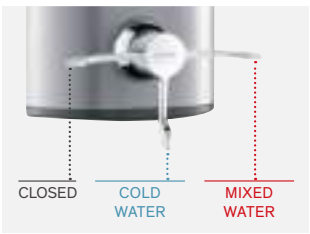
SECURITHERM sequential thermostatic shower panel **H9635 -** Straight grab bar **50505P2 -** Shelf for grab bars for showers **511922P**
Floor trap **683002**

SECURITHERM aluminium shower panel

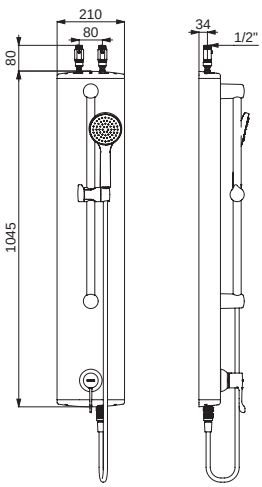
With sequential thermostatic mixer



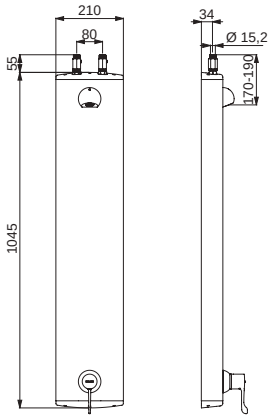
- Anodised aluminium shower panel for wall-mounted, exposed installation.
- **SECURITHERM sequential thermostatic shower mixer.**
- **Sequential:** opens and closes with cold water *(see page 112).*
- **No risk of cross flow between hot and cold water.**
  No non-return valves on the inlets.
- Temperature control from cold water up to 39°C:
  maximum temperature limiter set at 39°C, can be adjusted.
- For ref.s H963615 and H963915: tested without water to comply with NHS requirements (UK). No pre-set temperature.
- **Anti-scalding failsafe:** automatic shut-off if cold water supply fails.
- **Prevents cold showers:** automatic shut-off if hot water supply fails.
- Thermal shocks are possible.
- Models H963615, H9636 and H9635: with **sliding handset** on a chrome-plated rail with removable flexible hose via rapid push-fit STOP connector, flow rate 9 lpm at 3 bar.
- Models H963915, H9639 and H9634: chrome-plated, tamperproof, **fixed ROUND shower head** with automatic flow rate regulation at 6 lpm at 3 bar, comfortable rain effect spray.
- Hygiene control lever L. 100mm.
- Concealed fixings.
- Filters.
- Suitable for people with reduced mobility.
- 30-year warranty.



Sequential control to open/close



H9636



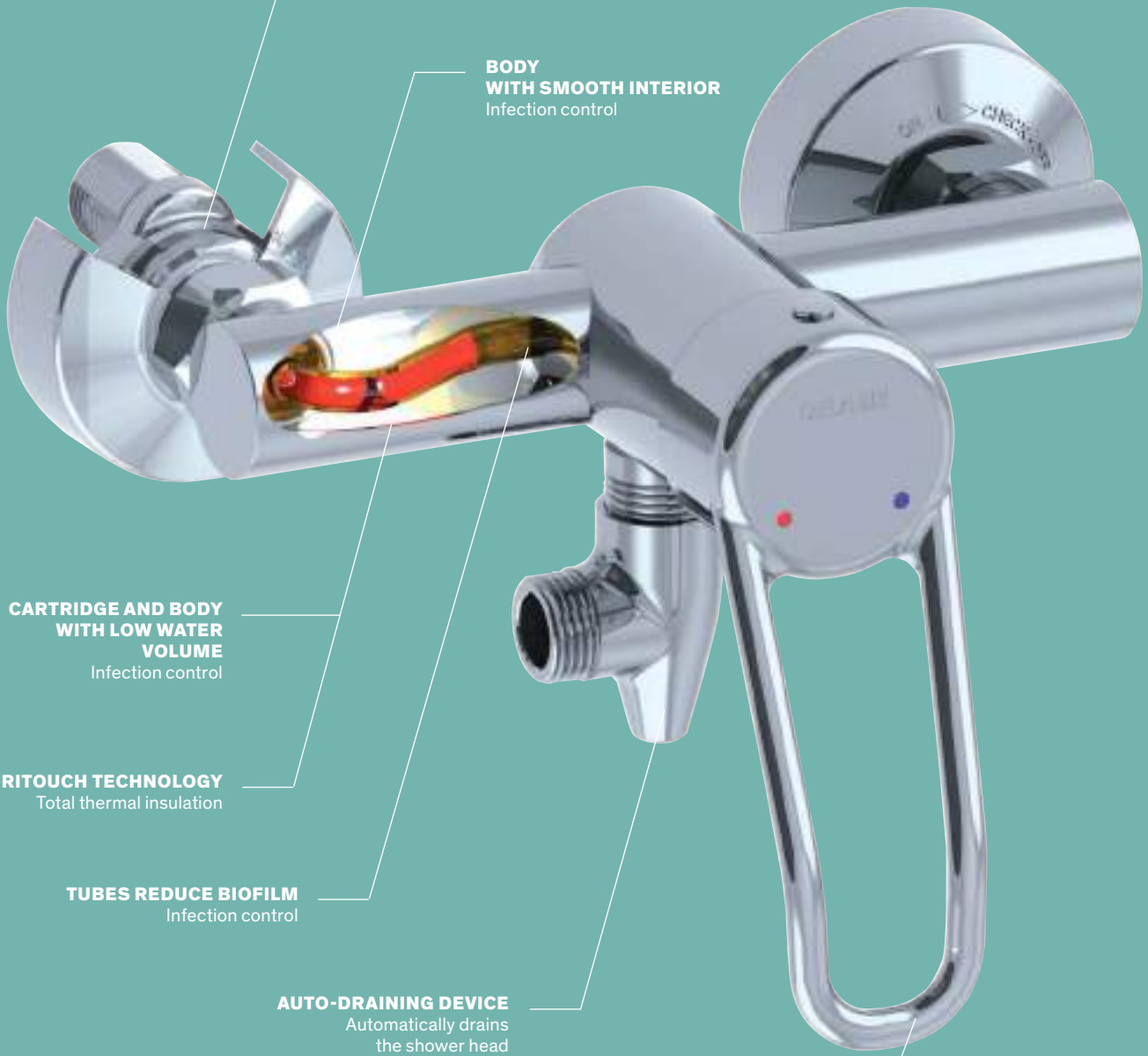
H963915

SECURITHERM aluminium sequential shower panel with fixed shower head	
Top inlet via in-line stopcocks Ø15mm for compression fittings and copper tubes - Tested without water (NHS compliant)	**H963915**
Top inlet via in-line stopcocks M½"	**H9639**
Concealed inlet via flexibles M½"	**H9634**
SECURITHERM aluminium sequential shower panel with handset	
Top inlet via in-line stopcocks Ø15mm for compression fittings and copper tubes - Tested without water (NHS compliant)	**H963615**
Top inlet via in-line stopcocks M½"	**H9636**
Concealed inlet via flexibles M½"	**H9635**
Option: extension *(see page 142).* We recommend a floor trap *(see page 143)*	

STOP FUNCTION:
STOPCOCK INTEGRATED
IN THE CONNECTOR
Mixer can be easily removed
for disinfection
Anti-scalding safety can be checked

CHECK FUNCTION
Non-return valves can be checked

BODY
WITH SMOOTH INTERIOR
Infection control



CARTRIDGE AND BODY
WITH LOW WATER
VOLUME
Infection control

SECURITOUCH TECHNOLOGY
Total thermal insulation

TUBES REDUCE BIOFILM
Infection control

AUTO-DRAINING DEVICE
Automatically drains
the shower head
and flexible hose

ERGONOMIC
SCULPTURED LEVER
Easy to grip

Featured product: SECURITHERM EP Securitouch shower mixer (ref. 2739EP) + auto-draining device (ref. 880)

Securitouch shower mixer

Mechanical mixer with pressure-balancing or ceramic cartridge, smooth interior





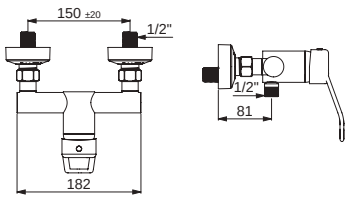
Shower kit with auto-draining device:
- Sculptured control lever.
- Shower head with flexible hose and chrome-plated, wall-mounted tilting support.
- **Auto-draining device** FM½" automatically drains the flexible and shower head *(see page 140).*

- **Securitouch thermal insulation prevents burns.**
- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Body with smooth interior and low water volume** (reduces bacterial development).
- Flow rate regulated at 9 lpm.
- M½" shower outlet with integrated non-return valve.
- Supplied with 2 offset wall connectors M½" M¾" *(see page 140).*
- Suitable for people with reduced mobility.
- 30-year warranty.

On EP pressure-balancing versions:
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.



Shower kit with riser rail:
- Sculptured control lever.
- Sliding shower head on a chrome-plated riser rail with flexible hose and soap dish.
- **Shower hose retaining collar.**



2739EP



Smooth interior
+ low water volume
= very little biofilm
Thermal insulation

Securitouch mechanical shower mixer	
With pressure-balancing	
Sculptured lever, offset STOP/CHECK connectors	**2739EP**
Solid lever, offset STOP/CHECK connectors	**2739TEP**
Sculptured lever, offset standard connectors	**2739EPS**
Solid lever, offset standard connectors	**2739TEPS**
With standard ceramic cartridge	
Sculptured control lever, offset STOP/CHECK connectors	**2739**
Solid control lever, offset STOP/CHECK connectors	**2739T**
Sculptured control lever, offset standard connectors	**2739S**
Solid control lever, offset standard connectors	**2739TS**

Options: auto-draining device *(see page 140),* hydrotherapy accessories *(see pages 137 - 139),* BIOFIL shower head filters *(see page 138),* other connectors available *(see page 140)*

Securitouch mechanical shower kits	
With pressure-balancing	
Auto-draining, STOP/CHECK connectors	**2739EPHYG**
Auto-draining, standard connectors	**2739EPSHYG**
Standard, STOP/CHECK connectors	**2739EPKIT**
Standard, standard connectors	**2739EPSKIT**
With standard ceramic cartridge	
Auto-draining, STOP/CHECK connectors	**2739HYG**
Auto-draining, standard connectors	**2739SHYG**
Standard, STOP/CHECK connectors	**2739KIT**
Standard, standard connectors	**2739SKIT**

Options: hydrotherapy accessories *(see pages 137 - 139),* BIOFIL shower head filters *(see page 138),* floor traps *(see page 143)*

Shower mixer

Mechanical mixer with pressure-balancing or ceramic cartridge





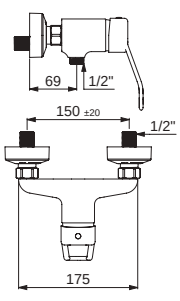
- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- Flow rate regulated at 9 lpm.
- **Automatic diverter with low pressure lock** maintains the shower position even if the pressure is too low on model 2252S.
- Sculptured control lever.
- M½" outlet with integrated non-return valve.
- Supplied with 2 offset wall connectors M½" M¾" *(see page 140)*.
- Suitable for people with reduced mobility.
- 30-year warranty.

On EP pressure-balancing versions:

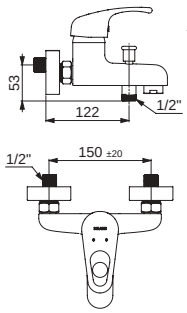
- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.

Mechanical shower mixer	
With pressure-balancing	
Offset STOP/CHECK connectors	**2539EP**
Offset standard connectors	**2539EPS**
With standard ceramic cartridge	
Offset STOP/CHECK connectors	**2539**
Offset standard connectors	**2539S**
Shower-bath mixer with standard ceramic cartridge, Offset standard connectors	**2252S**

Options: auto-draining device *(see page 140)*, hydrotherapy accessories *(see pages 137 - 139)*, BIOFIL shower head filters *(see page 138)*, other connectors available *(see page 140)*



2539EP



2252S

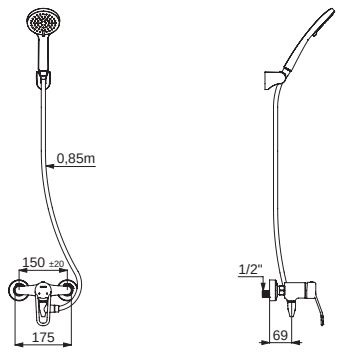
Auto-draining shower kit

With single control mechanical mixer



Shower kit with auto-draining device includes:

- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
  - Pre-set maximum temperature limiter.
  - Flow rate regulated at 9 lpm.
  - Sculptured control lever.
  - M½" outlet with integrated non-return valve.
- Shower head with flexible hose and chrome-plated, wall-mounted tilting support.
- **Auto-draining device** FM½" automatically drains the flexible hose and shower head (*see page 140*).
- Suitable for people with reduced mobility.
- 30-year warranty.



2539EPHYG

Auto-draining mechanical shower kit	
With pressure-balancing	
Offset STOP/CHECK connectors	**2539EPHYG**
Offset standard connectors	**2539EPSHYG**
With standard ceramic cartridge	
Offset STOP/CHECK connectors	**2539HYG**
Offset standard connectors	**2539SHYG**

Options: soap dishes *(see page 142)*, floor traps *(see page 143)*, BIOFIL shower head filters *(see page 138)*

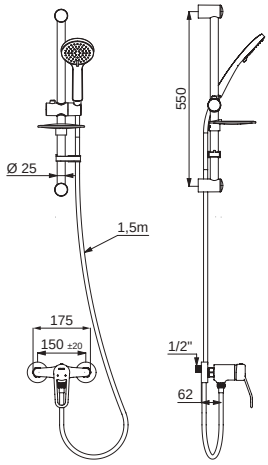
Shower kit with riser rail

With single control mechanical mixer



Shower kit with riser rail includes:

- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
  - Pre-set maximum temperature limiter.
  - Flow rate regulated at 9 lpm.
  - Sculptured control lever.
  - M½" outlet with integrated non-return valve.
- Sliding shower head on a chrome-plated riser rail with flexible hose and soap dish.
- **Shower hose retaining collar.**
- Suitable for people with reduced mobility.
- 30-year warranty.



2539SKIT

Mechanical shower kit with riser rail	
With pressure-balancing	
Offset STOP/CHECK connectors	**2539EPKIT**
Offset standard connectors	**2539EPSKIT**
With standard ceramic cartridge	
Offset STOP/CHECK connectors	**2539KIT**
Offset standard connectors	**2539SKIT**

Options: auto-draining device *(see page 140)*, floor traps *(see page 143)*, BIOFIL shower head filters *(see page 138)*

Recessed shower mixer

Mechanical mixer with pressure-balancing or ceramic cartridge in a waterproof housing

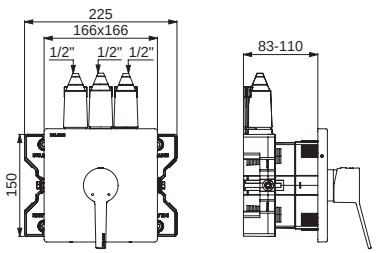




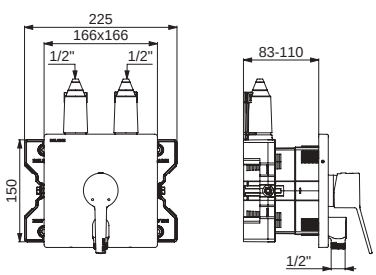
- Ø 40mm standard ceramic or **pressure-balancing cartridge.**
- Pre-set maximum temperature limiter.
- **Thermal shocks are easy to undertake** without removing the control lever or shutting off the cold water supply.
- Flow rate regulated at 9 lpm (mixer only), 6 lpm at 3 bar with shower head.
- Solid control lever.
- Order a shower head or wall outlet to complete *(see opposite and page 141).*
- Bright polished stainless steel wall plate 166 × 166mm.
- **Recessed waterproof housing** *(see page 113):*
  - 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.
  - Stopcocks and flow rate adjustment, filters and cartridge are all integrated and accessible from the front.
  - Supplied in 2 kits: secure system flush without the sensitive elements.
- Suitable for people with reduced mobility.
- 30-year warranty.

On EP pressure-balancing versions:

- **Anti-scalding safety:** HW flow rate is reduced if CW supply fails.
- Stable temperature regardless of pressure and flow rate variations.
- Filters and non-return valves.



254BOX+2541



254CBOX+2551

Recessed mechanical shower mixer, without shower head, in a waterproof housing	
With pressure-balancing	
Without elbow outlet	**254BOX + 2541EP**
With elbow outlet	**254CBOX + 2551EP**
With standard ceramic cartridge	
Without elbow outlet	**254BOX + 2541**
With elbow outlet	**254CBOX + 2551**

Options: fixed shower heads *(see opposite),* floor traps *(see page 143)*

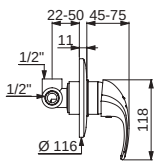
Recessed shower mixer

Mechanical mixer with ceramic cartridge



- Mixer with Ø 40mm ceramic cartridge.
- Pre-set maximum temperature limiter.
- Solid control lever.
- Adjustable wall plate Ø 116mm.
- Order a wall-mounted outlet or shower head to complete *(see right and page 141).*
- Suitable for people with reduced mobility.
- 30-year warranty.

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

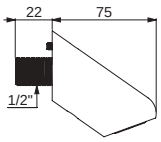


2443

Recessed mechanical shower mixer	2443
Options: fixed shower heads *(see right)*, floor traps *(see page 143)*	

Related products





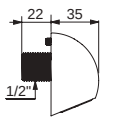
712000

TONIC JET

- Fixed shower head.
- Flow rate 6 lpm at 3 bar, comfortable rain-effect spray.
- **Automatic flow rate regulation.**
- **Ligature-resistant** nozzle.
- Chrome-plated brass.
- Fixed with concealed blocking screw.
- M½" recessed inlet.
- 30-year warranty.

TONIC JET shower head	712000





709000

ROUND

- Fixed shower head.
- Flow rate 6 lpm at 3 bar, comfortable rain-effect spray.
- **Automatic flow rate regulation.**
- **Ligature-resistant** nozzle.
- Chrome-plated brass.
- Fixed with concealed blocking screw.
- M½" recessed inlet.
- 30-year warranty.

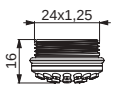
ROUND shower head	709000

Additional products

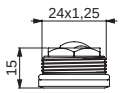


Nozzles

- Can be used instead of the nozzle in the ROUND and TONIC JET shower heads.
- 30-year warranty.



DP



714BE

Nozzles	
Comfortable rain-effect spray	DP
Scale-resistant with conical spray	714BE



Accessories for showers

SHOWER KITS
136



HYDROTHERAPY ACCESSORIES
137



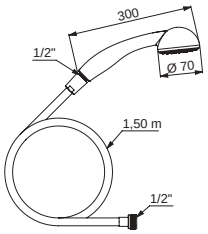
CONNECTORS ADDITIONAL PRODUCTS
140



Disposable shower kit
With coloured conical unions



Specifically for Healthcare Facilities:
- **Disposable shower kit:** can be changed regularly.
- **Flexible hose has smooth interior/exterior:** easy to maintain and reduces bacterial development.
- **Coloured conical unions:** clear visual indication and help to ensure correct shower kit replacement.



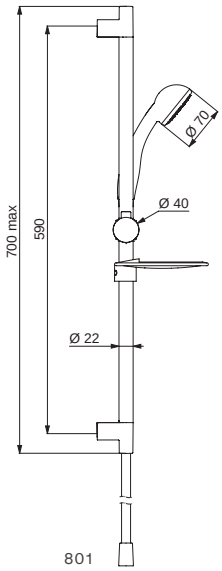
809B.25P / 809Y.25P

- 25 white PVC flexible hoses with coloured ABS conical unions: blue or yellow.
- 25 white shower heads Ø 70mm, **monojet:** rain-effect.

Disposable shower kits, monojet	
25 yellow kits, L. 1.50m	**809Y.25P**
25 blue kits, L. 1.50m	**809B.25P**
25 yellow kits, L. 0.85m	**808Y.25P**
25 blue kits, L. 0.85m	**808B.25P**

Chrome-plated shower kit Ø 22mm
With monojet handset





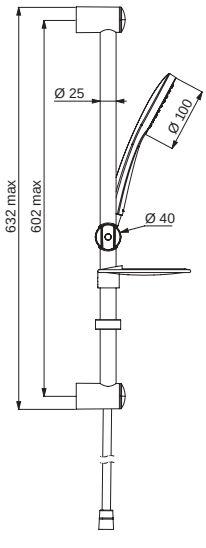
801

- Chrome-plated cut-to-size stainless steel shower riser rail Ø 22mm, overall length 700mm with 590mm centres.
- **Shower head holder can be adjusted in height and tilted.**
- Transparent soap dish.
- Smooth, BICOLOR PVC flexible hose L. 1.50m.
- **Scale-resistant shower head** Ø 70mm in chrome-plated ABS, **monojet:** rain-effect.

Shower kit Ø 22mm, monojet	801

Chrome-plated shower kit Ø 25mm
With monojet handset





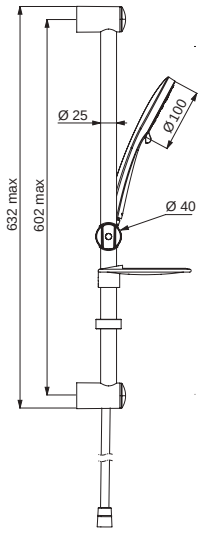
806

- Chrome-plated cut-to-size stainless steel shower riser rail Ø 25mm, overall length 632mm with 602mm centres.
- **Shower head holder can be adjusted in height and tilted.**
- Chrome-plated soap dish.
- Smooth, BICOLOR PVC flexible hose L. 1.50m.
- **Scale-resistant shower head** Ø 100mm in chrome-plated ABS, **monojet:** rain-effect.
- **Shower hose retaining collar** *(see page 142)*.

Shower kit Ø 25mm, monojet	806

Chrome-plated shower kit Ø 25mm
With 5-jet handset





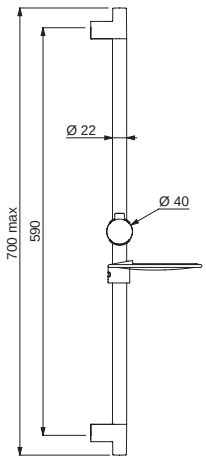
803

- Chrome-plated cut-to-size stainless steel shower riser rail Ø 25mm, overall length 632mm with 602mm centres.
- **Shower head holder can be adjusted in height and tilted.**
- Chrome-plated soap dish. Smooth, BICOLOR PVC flexible hose L. 1.50m.
- **Scale-resistant shower head** Ø 100mm in chrome-plated ABS, **5 jets:** rain-effect, massage, bubble-effect, rain-effect + massage, rain-effect + bubbles.
- **Shower hose retaining collar** *(see page 142)*.

Shower kit Ø 25mm, 5 jets	803

Chrome-plated shower riser rail Ø 22mm
With soap dish





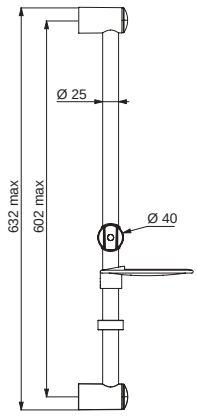
820

- Chrome-plated cut-to-size stainless steel shower riser rail Ø 22mm, overall rail length 700mm with 590mm centres.
- **Shower head holder can be adjusted in height and tilted.**
- Transparent soap dish.

Chrome-plated shower riser rail Ø 22mm	**820**

Chrome-plated shower riser rail Ø 25mm
With soap dish





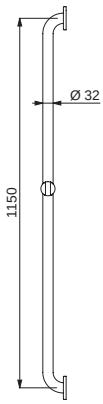
821

- Chrome-plated cut-to-size stainless steel shower riser rail Ø 25mm, overall rail length 632mm with adjustable centres up to 602mm.
- **Shower head holder can be adjusted in height and tilted.**
- Chrome-plated soap-dish.
- **Shower hose retaining collar** *(see page 142).*

Chrome-plated shower riser rail Ø 25mm	**821**

Stainless steel shower riser rail Ø 32mm





5460P2

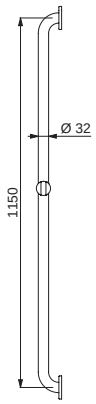
- Bacteriostatic 304 stainless steel riser rail Ø 32mm, 1,150mm centres.
- Uniform non-porous surface for easy maintenance and hygiene.
- **Chrome-plated metal shower head holder with ergonomic handle.**
- Concealed fixings. CE marked. 30-year warranty.

Stainless steel shower riser rail Ø 32mm	
UltraPolish bright polished stainless steel	**5460P2**
UltraSatin satin polished stainless steel	**5460S**

Option: clip-on sliding soap dish *(see page 142)*

Nylon shower riser rail Ø 32mm





5460N

- High strength polyamide riser rail (Nylon) Ø 32mm, 1,150mm centres.
- **NylonClean anti-bacterial treatment:** optimal protection against bacterial development.
- Uniform non-porous surface for easy maintenance and hygiene.
- Anti-UV treatment. Warm to the touch.
- **HR Nylon shower head holder with ergonomic handle.**
- Concealed fixings. CE marked. 30-year warranty.

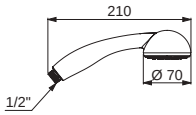
Nylon shower riser rail Ø 32mm	**5460N**

Option: clip-on sliding soap dish *(see page 142)*

Monojet shower head
Scale-resistant



- M½" shower head, Ø 70mm.
- Chrome-plated ABS.
- Monojet: rain effect.
- Manual system for removing limescale.



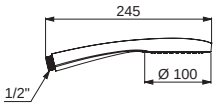
811

Monojet shower head Ø 70mm	**811**

Monojet shower head
Scale-resistant



- M½" shower head, Ø 100mm.
- Chrome-plated ABS.
- Monojet: rain effect.
- Manual system for removing limescale.



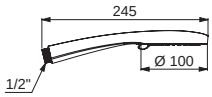
815

Monojet shower head Ø 100mm	**815**

Shower head with 5 jets
Scale-resistant



- M½" shower head, Ø 100mm.
- Chrome-plated ABS.
- 5 jets: rain effect, massage, bubble-effect, rain effect + massage, rain effect + bubbles.
- Manual system for removing limescale.



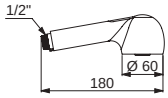
813

Shower head with 5 jets Ø 100mm	**813**

Shower head with 2 jets Ø 60mm



- M½" shower head.
- Chrome-plated ABS.
- 2 jets with inverter: rain effect and massage.



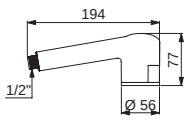
816

Shower head with 2 jets Ø 60mm	**816**

BIOFIL shower head filter
Anti-Legionella and all-germ



- Shower head filter with sterilising grade 0.1µm nominal-rated.
- CE Class I medical device for non-sterile versions, Class Is for sterile versions.



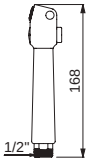
20361/30361/20461/30461

1 BIOFIL shower head filter	
3-month lifespan	
Sterile	**20361**
Non-sterile	**30361**
4-month lifespan	
Sterile	**20461**
Non-sterile	**30461**

Push-button hand spray



- Push-button hand spray M½".
- Chrome-plated brass and white polypropylene.
- Order a chrome-plated brass wall hook ref. 1585 to complete (see *page 177*).



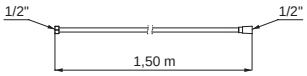
434182

Push-button hand spray	**434182**

Stainless steel flexible shower hose
Flexible hose FF½" L. 1.50m



- Stainless steel double interlock shower hose for intensive use with non-twist connector at the shower outlet.
- Interior tube is certified food-grade PVC, complies with European standard EN 1113.
- Chrome-plated conical brass connectors ½".
- Will withstand strain (50kg), bending and twisting.



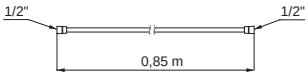
832T1

Stainless steel flexible shower hose L. 1.50m	832T1

SILVER flexible shower hose
Smooth, PVC flexible hose FF½"



- Smooth, metal effect, reinforced food-grade PVC hose for easy maintenance and to reduce bacterial development.
- PVC pipe reinforced by polyester threads complies with European standard EN 1113.
- Tube interior is made from food-grade PVC.
- Conical connectors ½".
- Will withstand strain (50kg), bending and twisting.



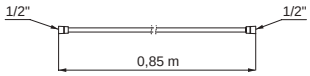
836T3

SILVER flexible shower hose	
L. 0.85m	836T3
L. 1.50m	836T1

BICOLOR flexible shower hose
Smooth, PVC flexible hose FF½"



- Smooth, metalloplastic food-grade PVC hose for easy maintenance and to reduce bacterial development.
- PVC pipe reinforced by polyester threads complies with European standard EN 1113.
- Tube interior is made from food-grade PVC.
- Conical connectors ½".
- Will withstand strain (50kg), bending and twisting.



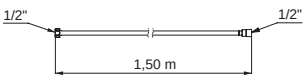
834T3

BICOLOR flexible shower hose	
L. 0.85m	834T3
L. 1.20m	834T4
L. 1.50m	834T1
L. 2.00m	834T2

Polyamide flexible shower hose
Black flexible hose FF½"



- Universal food-grade black EPDM flexible hose L. 1.50m reinforced with Polyamide threads complies with European standard EN 1113.
- Metal conical union ½" and milled metal union ½".
- Will withstand strain (50kg), bending and twisting.



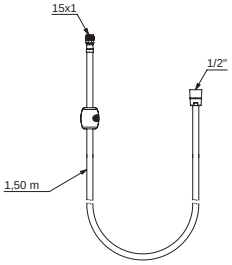
830T1

Polyamide flexible shower hose L. 1.50m	830T1

Nylon flexible hose
For mixers with retracting hand sprays



- Black Nylon flexible hose L. 1.50m with counterweight for retracting hand sprays *(see ref. 2597 page 79)*.
- Metal conical union F½" and metal cylindrical union M15 × 1.



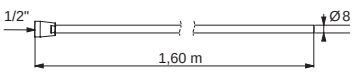
835T1

Nylon flexible hose L. 1.50m	835T1

BIOSAFE polyurethane hose
For mixers with retracting hand sprays



- BIOSAFE flexible hose L. 1.60m reduces bacterial proliferation, for mixers with retracting hand sprays *(except ref. 2597)*.
- Transparent PU polyurethane flexible hose, to ensure timely replacement if biofilm develops, smooth interior and exterior.
- Flexible with narrow diameter: low water volume.
- Metal conical union F½".



837T4

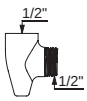
PU flexible hose L. 1.60m	837T4

Auto-draining device
For showers and shower-bath mixers



- Automatically drains the shower head and flexible hose.
- **Prevents water stagnation and reduces bacterial development** *(for more information, see page 109).*
- Chrome-plated brass body with downstream purge.
- Inlet F½" with filter (to connect to the bottom outlet of the mixer).
- Outlet M½" (to connect to the flexible hose).
- 30-year warranty.

We recommend using the auto-draining device with a short flexible hose *(ref. 834T3 or 836T3, page 139)*



880

Auto-draining device	**880**

STOP/CHECK connectors
Wall-mounted connectors M½" M¾"

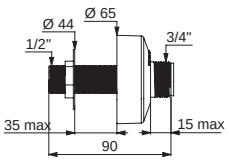


- Chrome-plated brass connectors Ø 65mm, for wall-mounted mixers.
- M½" M¾".
- Supplied in packs of 2.
- **Ideal for hospitals.**
- 30-year warranty.

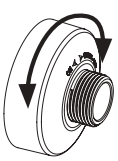
Connectors include:
Manual escutcheon control:
stopcock position and/or non-return valve check.

STOP function:
- Allows isolation of the water supply so that the mixer can be easily removed for descaling, cleaning or maintenance.
- Automatic anti-scalding safety can be checked on SECURITHERM thermostatic and EP pressure-balancing mixers.

CHECK function:
Allows non-return valves to be checked on the respective mixer (DELABIE patent).



855755UK.2P

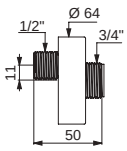


STOP/CHECK connectors	
In-line	**855755UK.2P**
Offset, 12mm centres	**855755.2P**

Standard offset connectors
Wall-mounted connectors M½" M¾"



- Chrome-plated standard offset connectors for wall-mounted mixers.
- M½" M¾".
- Chrome-plated brass.
- Supplied in packs of 2.
- 30-year warranty.



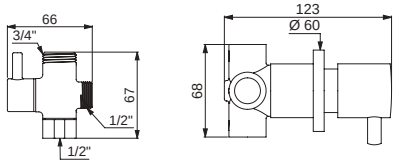
856794.2P

Standard connectors	
Centres 11mm, L. 50, Ø 64	**856794.2P**
Centres 11mm, L. 50, Ø 70	**856127.2P**
Centres 12mm, L. 60, Ø 70	**856027.2P**

Diverter



- Allows user to choose between the fixed shower head or the hand held shower head/ hand spray.
- Chrome-plated brass.
- ½" inlet.
- 30-year warranty.



260021 260020

Diverter	
Recessed FF½"	**260020**
Exposed FM½"	**260021**

Connector with non-return valve
Chrome-plated brass connector



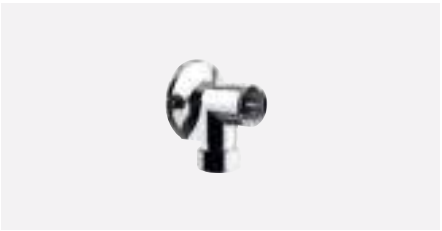
- Connectors with integral filter to prevent backflow of contaminated water into the system.
- Prevent cross flow of cold and hot water.
- Supplied in packs of 2.
- 30-year warranty.



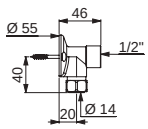
C291AH75 C151AH75

Connector with non-return valve	
For flexibles FM½"	**C291AH75**
For flexibles FM⅜"	**C151AH75**

Reinforced exposed connector
For M½" stopcocks



- Reinforced chrome-plated brass exposed connector.
- Ø 14mm stud nut.
- MF½".
- Fixed by 2 screws 5 × 35mm (supplied).
- 30-year warranty.



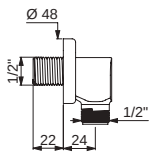
841315

Reinforced exposed connector	**841315**

Wall-mounted elbow outlet
For flexible shower hoses



- Wall-mounted elbow outlet.
- Chrome-plated brass.
- Wall plate Ø 48mm.
- MM½".
- 30-year warranty.



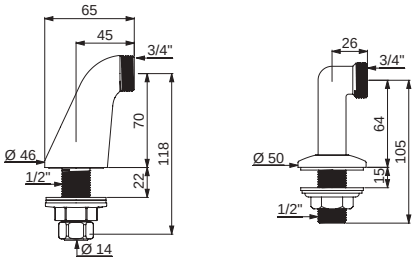
868126

Wall-mounted elbow outlet	**868126**

Column connectors
For deck-mounted shower-bath mixers



- Solid brass connectors.
- M½" M¾".
- Supplied in packs of 2.
- 30-year warranty.



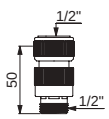
870027.2P 865127.2P

Column connectors	
With escutcheon, H. 64mm	**865127.2P**
Deluxe, no escutcheon, H. 70mm	**870027.2P**

Rapid push-fit STOP connector
For shower panels



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



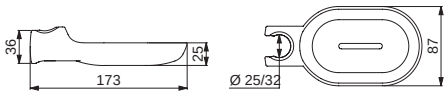
807792

Rapid push-fit STOP connector	**807792**

Clip-on sliding soap dish



- For stainless steel or Nylon shower riser rails.
- Clip-on sliding soap dish for shower riser rails Ø 25mm and Ø 32mm.
- Ideal for shower gel or soap.
- 30-year warranty.



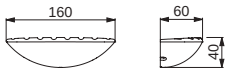
510120/ 510120N

Clip-on soap dish	
Translucent	**510120**
White Nylon	**510120N**

Wall-mtd soap dish for showers



- Concealed fixings.
- Support fixed to the wall by 4 screws.
- Chrome-plated Bayblend®.
- 30-year warranty.



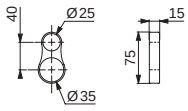
710500

Wall-mounted soap dish for showers	
Matte finish	**710500**
Bright finish	**710501**

Shower hose retaining collar
For shower riser rails



- Retaining collar for shower riser rails Ø 25mm and Ø 32mm and flexible hoses.
- **Retaining device:** prevents shower head from coming into direct contact with the floor or the floor trap (source of bacterial contamination).
- 30-year warranty.



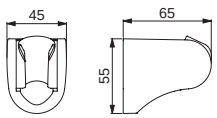
830

Retaining collar	830

Wall-mounted support for shower heads



- Chrome-plated support.
- Tilting.
- Fixings supplied.
- 30-year warranty.



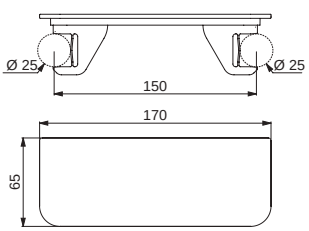
845

Wall-mounted shower head support	845

Shelf
For shower mixers



- Chrome-plated shelf ideal for dual control thermostatic shower mixers (see ref.s H9741 & H9739, *pages 116 - 119).*
- Body hygiene products can be placed on shelf (shower gel, shampoo, etc.).
- 30-year warranty.



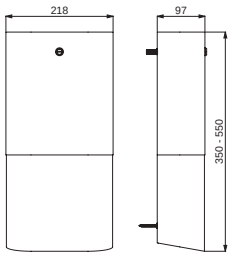
850

Shelf	850

Extension
For shower panels



- 790152 model: anodised aluminium, L. 210mm, H. 1000mm.
- 790153 model: satin stainless steel, L. 218mm.
- Protects the pipework between the top of the shower panel and the ceiling.
- Cut-to-size extension for anodised aluminium versions, adjusts from 350 - 550mm for satin finish stainless steel versions.
- 30-year warranty.



790153

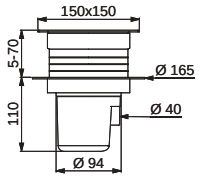
Extension	
Cut to size	**790152**
Telescopic	**790153**

Adjustable height floor trap

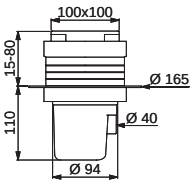
For tiled, concrete and vinyl floors



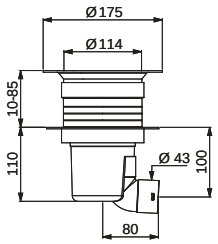
- **Flow rate 36 lpm (meets standards).**
- **Water level 50mm.**
- **Bright polished stainless steel grid.**
- **Vertical or horizontal outlet** integrated into the height of the floor trap (saves height and space in all dimensions).
- Integrated waperproof plate to seal waterproof membrane.
- Withstands 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).
- 30-year warranty.



683001



682001



683002UK

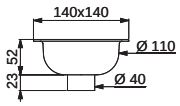
Floor trap for tiled or concrete floors	
150 x150mm, adjustable height up to 70mm, outlet Ø 40mm	**683001**
150 x150mm, adjustable height up to 70mm, horizontal outlet Ø 43mm	**683001UK**
100 x100mm, adjustable height up to 80mm, outlet Ø 40mm	**682001**
100 x100mm, adjustable height up to 80mm, horizontal outlet Ø 43mm	**682001UK**
Floor trap for soft or vinyl floors	
Ø 114mm, adjustable height up to 85mm, outlet Ø 40mm	**683002**
Ø 114mm, adjustable height up to 85mm, horizontal outlet Ø 43mm	**683002UK**

Floor trap

For tiled or concrete floors



- **Flow rate 18 lpm.**
- **Water level 18mm.**
- Stainless steel 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).
- 30-year warranty.



684000

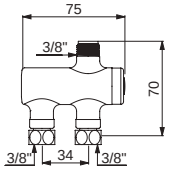
Floor trap 140 x140mm	684000

PREMIX NANO

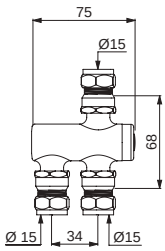
Thermostatic mixing valve with mixed water 34 - 60°C



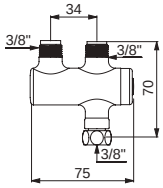
- For installation upstream of the tap.
- **For 1 - 2 taps or 1 shower.**
- **Anti-scalding failsafe:** automatic shut-off if cold or hot water supply fails.
- Temperature pre-set at 38°C, can be adjusted by the installer 34 - 60°C.
- For ref.s 732115 and 732116: tested without water to comply with NHS requirements (UK). No pre-set temperature.
- Brass body.
- **Filters and non-return valves.**
- Recommended flow rate range: from 3 - 12 lpm.
- **Thermal shocks are possible.**
- 30-year warranty.



732016



732115



732216

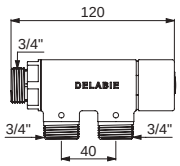
PREMIX NANO	
Nickel-plated body, inlets F⅜" and outlet M⅜"	**732012**
Polished chrome body, inlets F⅜" and outlet M⅜"	**732016**
Nickel-plated body M½", Ø 15mm - tested without water (NHS compliant)	**732115**
Nickel, F½ " Ø 15mm	**732115MEC**
Polished chrome body M½", Ø 15mm - tested without water (NHS compliant)	**732116**
Nickel-plated body M½", Ø 15mm	**732125**
Polished chrome body M½", Ø 15mm	**732126**
Polished chrome body, HW inlet F⅜", CW inlet M⅜", MW outlet M⅜"	**732216**
Polished chrome body, HW inlet F⅜", CW inlet M⅜", MW outlet M⅜" + connection kit ⅜"	**732230**

PREMIX COMPACT

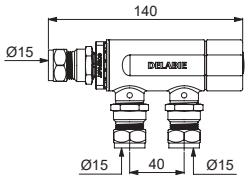
Thermostatic mixing valve with mixed water 30 - 60°C



- For installation upstream of the tap.
- **For 2 - 11 points-of-use (depending on the flow rate).**
- **Anti-scalding safety:** automatic shut-off if cold or hot water supply fails.
- Temperature pre-set at 38°C, can be adjusted by the installer 30 - 60°C.
- For ref.s 733115 and 733116: tested without water to comply with NHS requirements (UK). No pre-set temperature.
- Brass body.
- **Filters and non-return valves.**
- Recommended flow rate range: from 5 to 33 lpm.
- **Thermal shocks are possible.**
- Centres: 40mm.
- 30-year warranty.



733020



733115

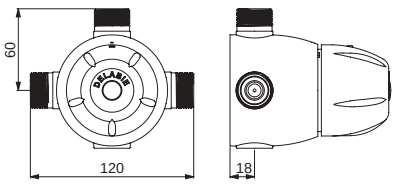
PREMIX COMPACT	
M½"	**733015**
M¾"	**733020**
M½" Ø 15mm - tested without water (NHS compliant)	**733115**
M¾" Ø 15mm - tested without water (NHS compliant)	**733116**
M½" Ø 15mm	**733125**
M¾" Ø 15mm	**733126**

PREMIX COMFORT

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 thermo-reactive 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.
- **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).
- 30-year warranty.



731002

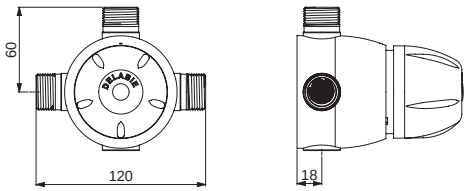
Description	Dimensions			Reference
	W	H	D	
PREMIX COMFORT 55, M¾"	120	60	18	**731002**
PREMIX COMFORT 90, M1"	160	80	23	**731003**
PREMIX COMFORT 140, M1¼"	180	90	26	**731004**
PREMIX COMFORT 190, M1½"	195	98	26	**731005**
PREMIX COMFORT T2, M¾"	120	81	18	**731200**
PREMIX COMFORT T3, M1"	146	95	23	**731300**
PREMIX COMFORT T4, M1¼"	180	107	26	**731400**
PREMIX COMFORT T5, M1½"	218	129	26	**731500**

PREMIX SECURITY

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 thermo-reactive 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.**
- 30-year warranty.



731052

Description	Dimensions			Reference
	W	H	D	
PREMIX SECURITY 55, M¾"	120	60	18	**731052**
PREMIX SECURITY 90, M1"	160	80	23	**731053**
PREMIX SECURITY 140, M1¼"	180	90	26	**731054**
PREMIX SECURITY 190, M1½"	196	98	26	**731055**


DELABIE

WCs with direct flush systems: valves and cistern-less frame systems

SOLUTIONS FOR CISTERN-LESS WC FLUSH SYSTEMS
149

ELECTRONIC FLUSH VALVES & FRAME SYSTEMS
154



TIME FLOW FLUSH VALVES & FRAME SYSTEMS
160



ADDITIONAL FITTINGS
170





TEMPOFIX 3 frame system with TEMPOMATIC dual control electronic direct flush system **564005 + 464000**
Angled grab bar **5081N -** Drop-down support rail **5164N -** Toilet brush set **4051N -** Toilet roll holder **4081N**

DIRECT FLUSH SYSTEMS FOR HEALTHCARE FACILITIES: 7 REASONS TO SAY GOODBYE TO CISTERNS

Not suitable for intensive use, WCs with cisterns were designed for domestic use and are a source of recurring problems in public buildings. Susceptible to scale build-up and noisy, they encourage the proliferation of bacteria and pose a permanent risk of leaks when used in public and commercial environments.

Hygiene
Directly connected to the water system, direct flush operates without a cistern. Therefore there is no water stagnation which also prevents impurity deposits and bacterial development. Direct flush guarantees total hygiene.

DELABIE's electronic flush systems for WCs prevent the spread of germs by hand thanks to their touch-free control. Also equipped with a hygienic duty flush programme, they renew the water in the pipework if not used for long periods to limit bacterial development.

Available immediately
With direct flush, there is no need to wait for the cistern to refill before flushing again.

Directly connected to the water system, the flush is always available, even for successive flushes. It is, therefore, particularly suited to intensive use in public places.

Water savings: no more waste
DELABIE's direct flush WC valves optimise water consumption. This system reduces the risk of leaks considerably, unlike cisterns which are the largest source of wasted water and which result in significant water bills.
For example, a small leak from a cistern can lead to a loss of 220m³ of water which equates to a total cost of €946 per year (cost per m³ for cold water in France: €4.30, sources: *Centre d'information de l'eau* and *eaufrance.fr).* Therefore, direct flush prevents this unnecessary consumption.

Some DELABIE direct flush systems have a 3L/6L dual flush which can be adjusted to 2L/4L, to meet the requirements of environmental labels.

DELABIE has developed an "automatic intelligent flush" programme which determines the need for a smaller or larger flush volume depending on use. This allows the correct consumption of water according to need and prevents waste while guaranteeing optimal cleanliness.

Limited and simplified maintenance
Designed for domestic use, cisterns have fragile mechanisms. Conversely, direct flush systems are specifically designed for public and commercial places. Perfectly able to withstand intensive use as well as vandalism, they are essential for public washrooms.

DELABIE mechanisms are extremely robust. Subjected to endurance tests, they are able to withstand over 500,000 operations. The battery lifespan, for battery-operated versions, is 3 to 6 years depending on the frequency of use, i.e. approximately 350,000 uses.

Maintenance on DELABIE products is, therefore, infrequent and is also easy to undertake. Maintenance access is from the front.

Space saving
Thanks to the absence of a cistern, direct flush allows significant space saving. DELABIE's frame systems are also very compact, which is a real advantage for buildings seeking to optimise space.

Efficiency
Directly connected to the water system, direct flush uses the system's water pressure to flush the WC pan. As a result, the flush is more powerful and more effective than a cistern flush. Direct flush guarantees optimal cleanliness.

Wide, design-led range
At DELABIE, aesthetics play a major role in product development. The design must be able to adapt to any type of environment, as well as being both durable and reliable. This is why DELABIE offers a wide range of WC valves: electronic, time flow, recessed, cross wall and with or without a frame system.

Developed specifically for use in public places, and compliant to new environmental regulations, the direct flush system provides the best balance between quality, durability and price for this type of environment.

Environmental labels
Aware that new consumption trends linked to eco-responsibility issues have a major impact on public places, such as the service sector, DELABIE has designed a range of direct flush systems which allow optimised water consumption and which are also eligible for the highest levels of ecological accreditation such as BREEAM, LEED and HQE.

By removing the cistern, the primary source of leaks in WCs, direct flush also reduces the waste of cold water.

SIZING HORIZONTAL FINAL PIPEWORK

DTU update (August 2013)

Simultaneous use
The DTU *(Unified Technical Document)* provides the special calculation method for direct flush valves.

The operating time is very short (a few seconds long) and there is no refill time.

So, the calculations for pipe diameters for direct flush systems are not made in the same way as for cistern flush systems.

The DTU recommends the following method for direct flush valves:

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

CISTERN-LESS FLUSH WC SYSTEMS: A RAPID RETURN ON INVESTMENT

WCs with cisterns are still often installed in public places, in particular, because the initial investment may seem lower.
However, the initial saving ultimately turns out to be very costly, very quickly.

The many advantages of the WC direct flush system - improved hygiene, fewer leaks, water savings, reduced maintenance and easy servicing - very quickly make the product better value.

By switching to a direct flush system, gains can be made on several levels:

- **No more water leaks** (which can reach 220m³ per year per WC).
- **Fewer maintenance interventions:** there are multiple components that need to be changed regularly on cistern-flush systems such as: fragile mechanisms which cannot withstand scale, control plates that break since they are not designed for intensive use or vandalism, etc.
  Direct flush valves are equipped with scale and shock-resistant mechanisms with 30-year warranties.
- **Labour costs are reduced** as less servicing is required to repair leaks or carry out maintenance.

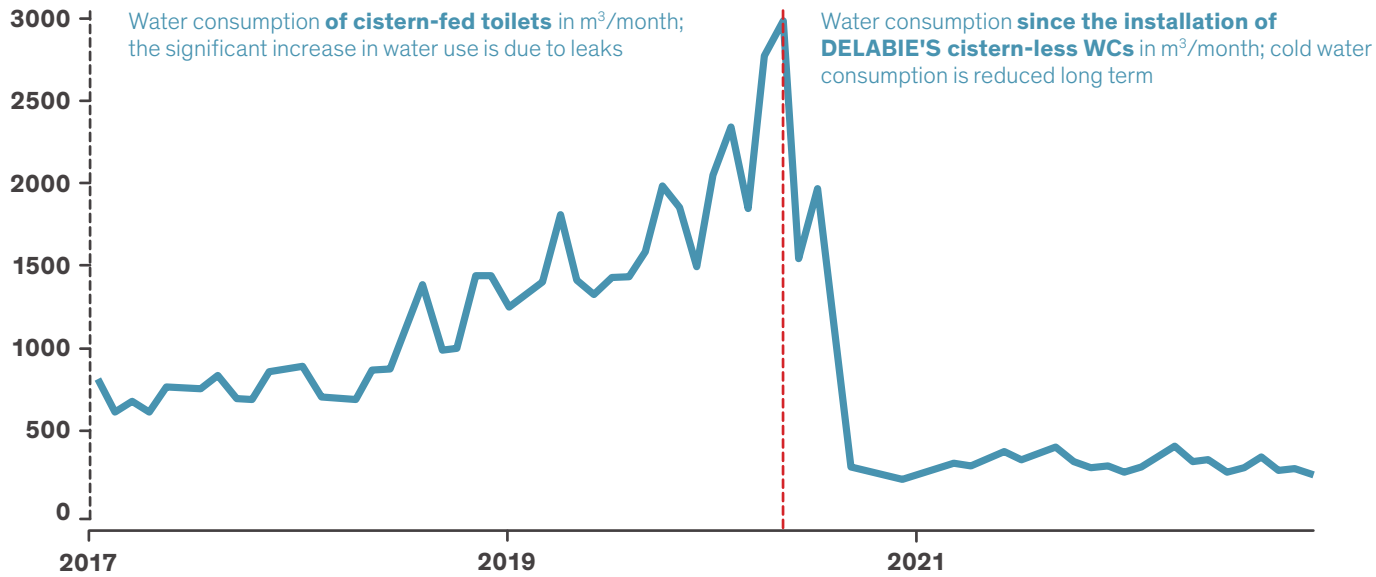
Many retirement homes, care facilities, etc. are currently fitted with cistern-flush WCs, because these facilities are associated with a residential setting.
However, even if the users are resident for long periods, they are still public buildings with the same needs as any other public building: water savings, resistance to frequent use, easy to install and maintain, etc.

Example: a retirement home with 300 beds.

The retirement home in the example below replaced 300 standard cistern-fed toilets with DELABIE'S cistern-less flush systems. In addition to the elevated water consumption, the previous installation required:

- changing the mechanisms every 3 years
- 2 hours of maintenance per day to repair leaking cisterns.

Replacing cistern-flush WCs by a direct flush system:



ADVANTAGES OF CISTERN-LESS FLUSH

Hygiene
- The flush connects directly to the water system.
- No cistern: no water stagnation or bacterial development.
- Flushes automatically, without manual contact.
- Pipework flushes daily to prevent bacterial proliferation in the water system.

Water savings
- Thanks to the direct connection onto the pipework without any intermediary, there is no need for a fragile mechanism.
- The risk of leaks is eliminated with this system.
- On electronic versions, an intelligent flush programme determines the optimal flush volume for perfect cleaning and reduced water consumption.

Immediate availability
- Possible to use for successive flushes without having to wait between 2 uses.
- An essential feature for periods of high traffic.

Limited and simplified maintenance
- Specifically designed for frequent use, direct flush mechanisms are durable (up to 500,000 operations) and resistant (scale-resistant mechanisms).
- Maintenance is, therefore, infrequent and the mechanism is easy to access from the front when necessary.
- 30-year warranty.

Powerful and effective flush
- Uses the pressure in the pipework to rinse the pan.
- Thanks to the powerful flush, cleaning is effective and guarantees a clean WC pan.

Space saving
- With no cistern, the frame systems with direct flush valves are more compact and can save several m² in a building.
- This space saving can optimise the profitability of a project when the price per m² is high.

DISADVANTAGES OF CISTERN-FLUSH

Hygiene problems
- Cistern: up to 9L of stagnant water at ambient temperature which encourages bacterial development.
- Bacteria can spread throughout the hydraulic installation.
- Bacteria can be projected through the air via the flush plume and inhaled by the user.

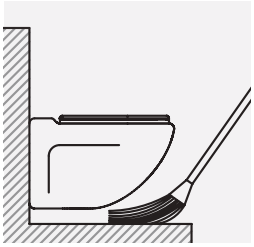
Leaks and overconsumption of water
- Plastic mechanisms inside the tank are constantly submerged and, therefore, sensitive to scale build-up.
- They are the cause of frequent water leaks which are often invisible and inaudible and therefore detected late.
- Cisterns are the main source of wasted water. For example, a small leak from a cistern can cause a loss of 220m³ of water that equates to €946 per year.

Waiting time
- The cistern has to refill between each use, which may take up to 1 minute.
- In the event of a leak (even minimal), the tank may fail to fill and cause inconvenience, leading to vandalism by users.
- Successive flushes are not possible.

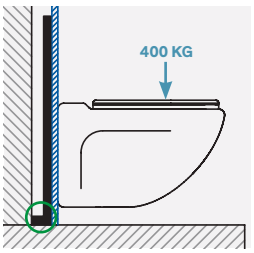
Frequent maintenance and difficult to access
- Not designed for intensive use, the cistern's fragile mechanism is not very durable and must be changed regularly.
- Dismantling and access to the mechanism is difficult, and the bottom of the cistern is inaccessible.
- Control plates need to be replaced frequently to compensate for careless use in public places.

Ineffective flush
- The water drop between the cistern and the WC pan is only a few centimetres.
- The flush force is not powerful enough for effective cleaning.

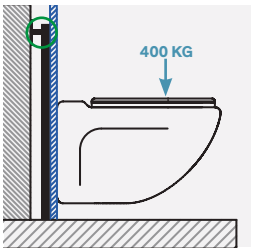
Large footprint
- Frame systems with cisterns take up more space and use more floor space.



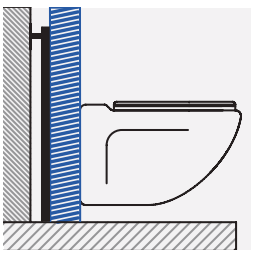
Easy to clean



Self-supporting TEMPOFIX 3



Wall-mounted TEMPOFIX 3



TEMPOFIX 3 for thick walls

WHAT ARE THE ADVANTAGES OF A TEMPOFIX 3 FRAME SYSTEM?

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, housing 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/m^3.

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 × ½" 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 finished floor level 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).

All of DELABIE's flush system control plates and wall plates are mounted to the supporting surface manually (via concealed fixings). This gives greater durability and prevents unwanted removal.

Optimised for stocking
Reduced frame weight and product packaging save space for storage and are an advantage for being kept on construction sites.

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 frames to be fixed back-to-back in a communal service duct (in Ladies and Gents toilets for example) without the need for a partition wall.

Products suited to the needs of healthcare facilities
Increasingly in public 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 recessed waterproof 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 also 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.

TEMPOFIX 3 and its innovative waterproof housing, ONE SINGLE PRODUCT for wall depths from 10 - 120mm







1-METRE MARK FROM FINISHED FLOOR SURFACE
Easy to install

HOUSING FIXED BY CLIPS
Quick and easy to install

SPACE SAVING
350 × 180mm

TELESCOPIC FLUSH TUBE
Easy to install

PIPE AND SOIL PIPE FIXED BY CLIPS
Quick and easy to install

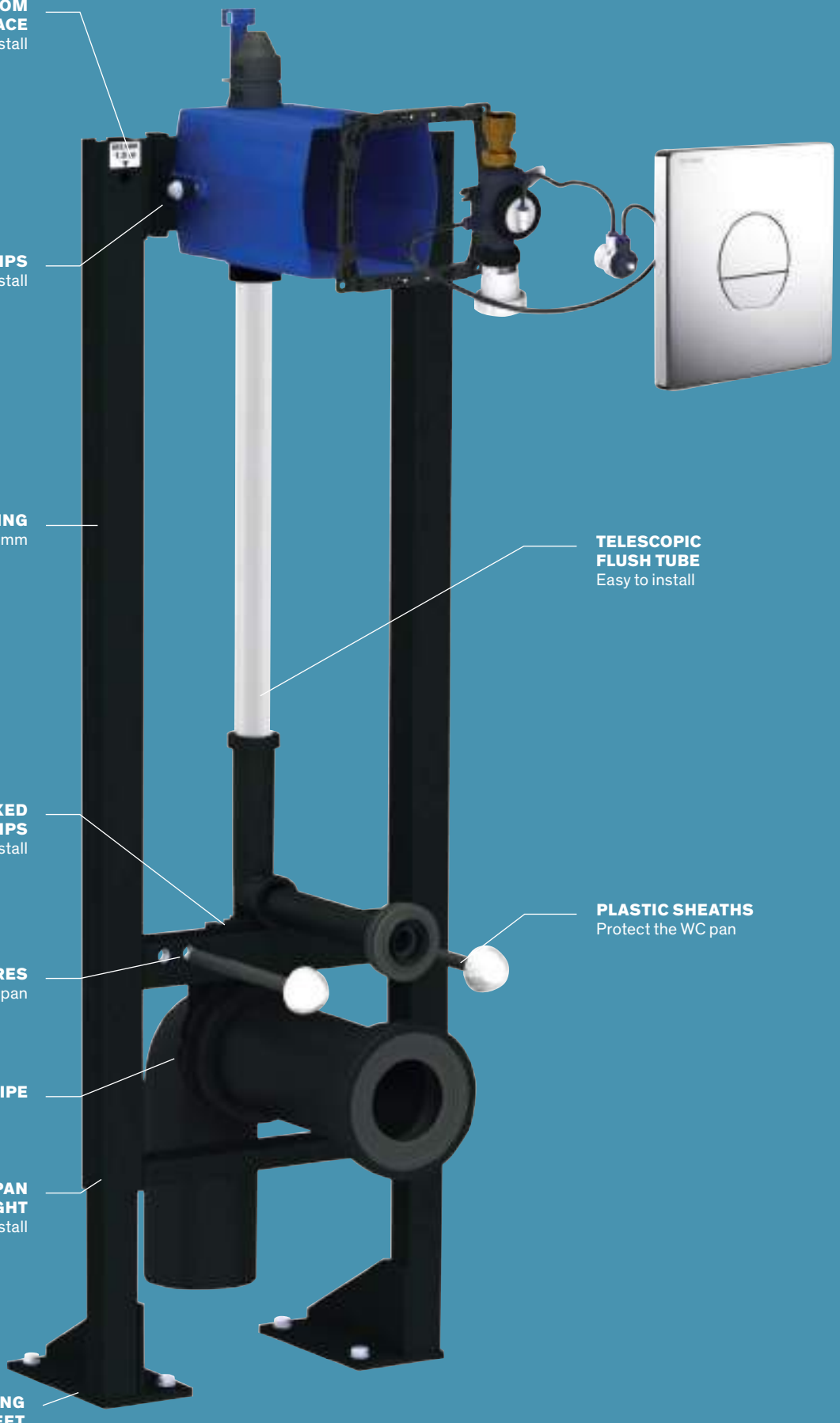
PLASTIC SHEATHS
Protect the WC pan

180 OR 230MM CENTRES
suitable for all types of WC pan

ABS SOIL PIPE

ADJUSTABLE PAN HEIGHT
Easy to install

LARGE SELF-SUPPORTING FEET



Featured product: TEMPOFIX 3 self-supporting frame system with TEMPOFLUX 3 WC direct flush time flow valve (ref. 564065 + 763040)

TEMPOMATIC DUAL CONTROL RECESSED: 100% WATERPROOF RECESSED HOUSING, MODULAR AND ADAPTABLE

Modular
DELABIE's recessed housing can be attached from the sides, front or back, to be fixed to plasterboard rails, load-bearing walls or even thin panels. The installation is therefore modular, and adapts to suit any project.


Plasterboard rails


Load-bearing walls


Panels

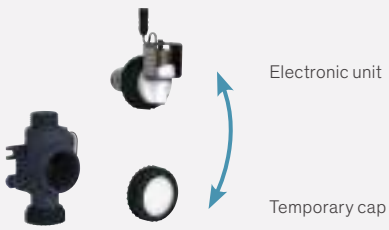
Adaptable
The ideal positioning of the collar allows the housing to be cut to size lengthwise depending on the wall thickness, whilst still guaranteeing a complete waterproof seal. The housing adapts to all wall depth requirements, thick or thin, from 10 to 120mm.


Thick wall finish
Max. 120mm


Narrow wall finish
Min. 10mm

Quick and easy to install
The TEMPOMATIC dual control can be connected to standard pipes or "pipe-in-pipe".

The hydraulic connection is made from the outside of the housing. During installation, the electronic unit is replaced by a temporary cap to flush the system safely, without damaging the technical elements.



Water savings
DELABIE has developed an "intelligent" rinse function in the automatic mode. The system can distinguish between the need for a short rinse (2 to 3 litres) or a longer flush (4 to 6 litres).

100% waterproof
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 the collar.

DELABIE's recessed housing is equipped with a collar with an integrated seal, that clips onto the housing once the wall finish is in place (patented system). It is completely waterproof without the need for silicone. Any condensation is evacuated via the plate. The wall stays intact throughout.


Collar with integrated waterproof seal

Resistant to intensive use and vandalism
The control plate, made from satin stainless steel, will withstand even the most extreme handling. Its fixings are concealed and its streamlined design prevents unwanted removal. To prevent abuse or waste in the voluntary mode, the 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.

Minimal servicing and simple to maintain
Maintenance is carried out from the front by simply removing the control plate. The technical elements are accessible and the component parts come pre-assembled.
An LED indicates when the batteries need to be replaced. They are integrated into the control plate, they can be replaced without shutting off the water supply or removing the valve.

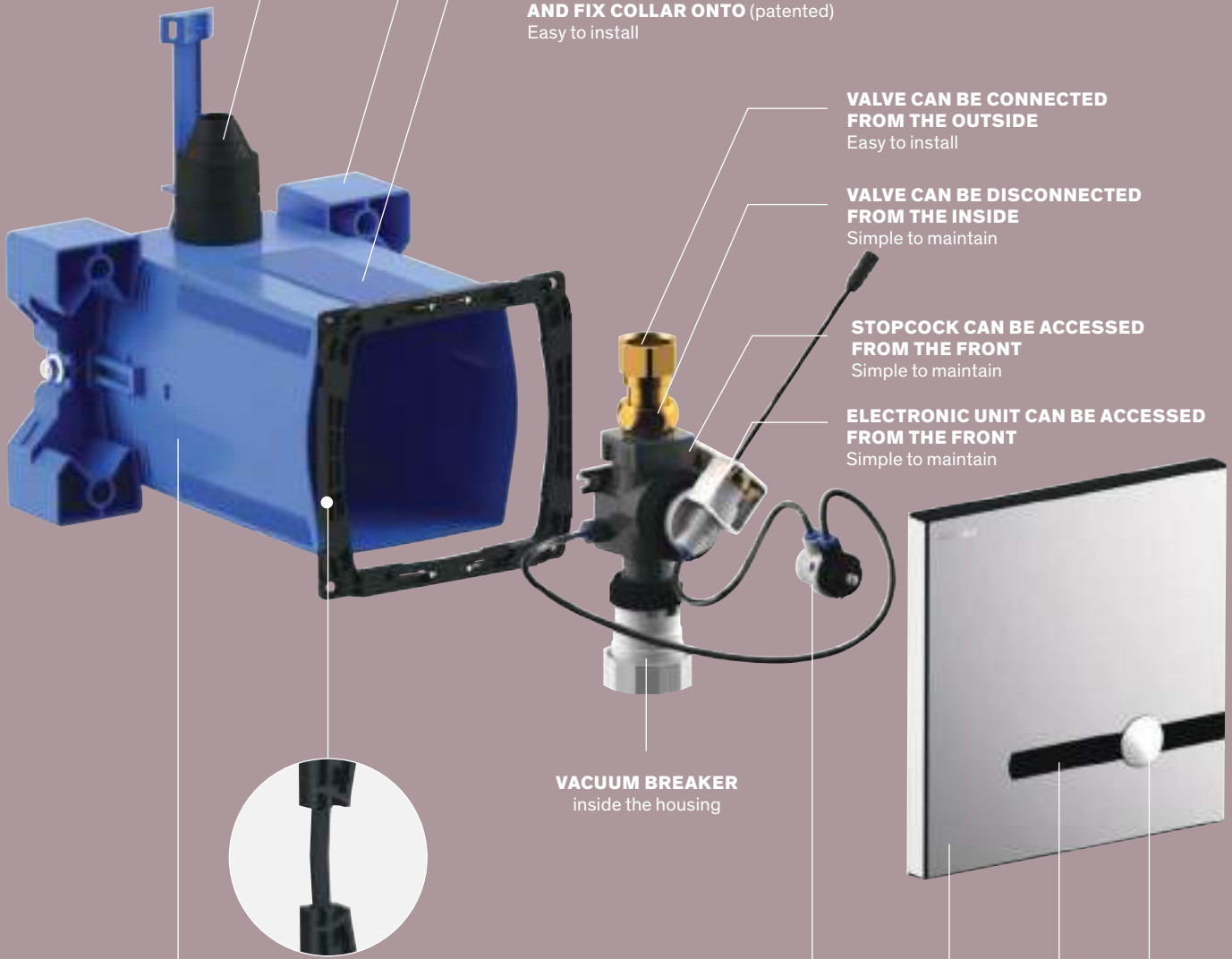
The vacuum breaker is located inside the housing.
In case of backflow, the water will evacuate in front of the wall via the housing, and not behind (or into) the wall.

The TEMPOMATIC dual control is compatible with sea water, rain water and grey water.

Making protection from frost and in-depth maintenance easier, the valve can be disconnected and removed from the inside, without removing the housing.

Hygiene
The TEMPOMATIC dual control flush can be activated voluntarily via the push-button, or automatically once the user leaves. This ensures a rinse between each user, guaranteeing permanent hygiene for the WC pan and improved cleanliness in public washrooms. The duty flush prevents bacterial proliferation and ensures that the pipework is flushed every 24 hours when not in use.

Design
The TEMPOMATIC dual control 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 building. Its smooth surface limits the build-up of dirt and facilitates cleaning.



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

VALVE CAN BE CONNECTED FROM THE OUTSIDE
Easy to install

VALVE CAN BE DISCONNECTED FROM THE INSIDE
Simple to maintain

STOPCOCK CAN BE ACCESSED FROM THE FRONT
Simple to maintain

ELECTRONIC UNIT CAN BE ACCESSED FROM THE FRONT
Simple to maintain

VACUUM BREAKER
inside the housing

COLLAR WITH INTEGRATED SEAL
Completely waterproof

HOUSING CAN BE CUT TO SIZE
adjusts to fit wall finishes up to 120mm

ANTI-BLOCKING ACTIVATION UNIT CAN BE ACCESSED FROM THE FRONT
Simple to maintain

CONTROL PLATE WITH INTEGRATED ELECTRONICS
For battery-operated model: replace batteries without shutting off the water or removing the valve

INTELLIGENT AUTOMATIC ACTIVATION
Guaranteed hygiene and water savings

PUSH-BUTTON
Voluntary activation

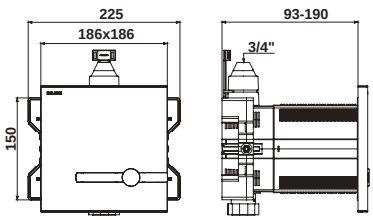
Featured product: recessed TEMPOMATIC WC dual control electronic direct flush system (ref. 464PBOX + 464006)

TEMPOMATIC WC dual control

Recessed electronic WC flush system



- **Flush system without cistern:** directly connected to pipework.
- **Battery-operated with CR123 6V Lithium batteries** or **230/6V mains supply** (cable and transformer supplied).
- **Satin stainless steel control plate 186 × 186mm** and chrome-plated metal button **with integrated electronics.**
- **Control plate fixed manually via concealed screws.**
- **Recessed waterproof 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 and electronic unit are all integrated and accessible from the front.
  - TEMPOMATIC F¾" flush valve is compatible with sea water, rain water and grey water.
  - Vacuum breaker inside the housing.
  - Supplied in 2 kits: secure system flush without sensitive elements.
- Shock-resistant infrared presence detection sensor.
- **Presence detection delay: 10 seconds.**
- **Two activation modes:**
  - **Touch-free:** the flush operates automatically after each user leaves, ensuring the bowl is rinsed between each user.
  - **By pressing on the anti-blocking push-button.** The flush will activate even if the power supply fails.
- **"Intelligent" automatic rinsing:** flush volume adapts according to use - 3L "short" usage, 6L "long" usage - (can be adjusted to 2L/4L or 5L/9L).
- **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.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.



464PBOX + 464006

TEMPOMATIC recessed WC dual control flush valve in a waterproof housing	
6V battery-operated	**464PBOX + 464006**
230/6V mains supply	**464SBOX + 464000**

We recommend a flush tube *(see page 170)*

TEMPOFIX 3 with TEMPOMATIC WC dual control

Frame system with electronic flush valve



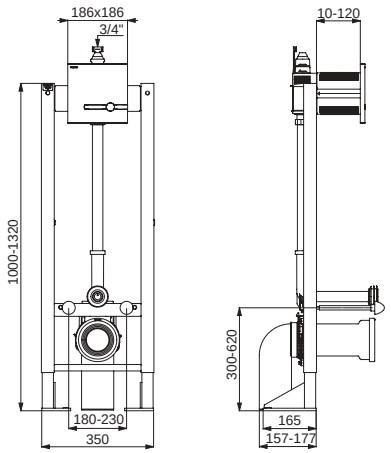
- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Recessed waterproof housing.
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe with Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Compatible 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:
- **Flush system without cistern:** directly connected to pipework.
- **Battery-operated with CR123 6V Lithium batteries** or **230/6V mains supply** (cable and transformer supplied).
- **Satin stainless steel control plate 186 × 186mm** and chrome-plated metal button, with integrated electronics.
- **Control plate fixed manually via concealed screws.**
- **Presence detection delay: 10 seconds.**
- **Two activation modes:**
  - **Touch-free:** the flush operates automatically after each user leaves, ensuring the bowl is rinsed between each user.
  - **By pressing on the anti-blocking push-button.** The flush will activate even if the power supply fails.
- **"Intelligent" automatic rinsing:** flush volume adapts according to use - 3L "short" usage, 6L "long" usage - (can be adjusted to 2L/4L or 5L/9L).
- **Hygienic duty flush,** every 24 hours (can be adjusted to 12 hours or OFF) after the last use.
- **3 programmes** (flush volume can be set according to type of WC pan).
- Vacuum breaker inside the housing.
- Integrated stopcock and flow rate adjuster.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1L/sec. at 1 bar dynamic pressure.
- Compatible with sea water, rain water and grey water.
- Suitable for people with reduced mobility.
- 30-year warranty.

TEMPOFIX 3 frame system with TEMPOMATIC WC dual control	
Self-supporting model - 6V battery-operated	**564065 + 464006**
Self-supporting model - 230/6V mains supply	**564005 + 464000**
Wall-mounted model - 6V battery-operated	**564060 + 464006**
Wall-mounted model - 230/6V mains supply	**564000 + 464000**

For Ø 90mm (or Ø 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1
Options: wall fixings, sleeve connector and connection kit for disabled WC *(see page 170)*



564065 + 464006

TEMPOMATIC dual control remote

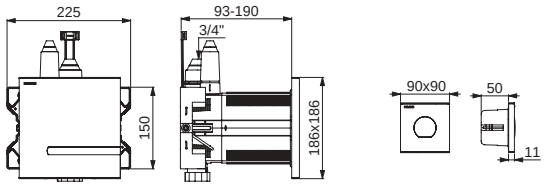
Recessed electronic direct flush valve



- **Flush system without cistern:** directly connected to pipework.
- **Battery-operated with CR123 6V Lithium batteries** or **230/6V mains supply** (cable 5m and transformer supplied).
- Satin stainless steel **electronic control plate** 186 × 186mm.
- Satin stainless steel **time flow control plate** 90 × 90mm with chrome-plated push-button.
- **Recessed waterproof 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, flow rate adjustment and electronic unit are integrated and accessible from the front.
  - TEMPOMATIC F¾" valve compatible with sea water, rain water and grey water.
  - Vacuum breaker inside the housing.
- Shock-resistant infrared presence detection sensor.
- **Presence detection delay is 10 seconds.**
- **Touch-free automatic activation** when the user leaves or **voluntary activation** by pressing the side control.
- **AB anti-blocking system:** water will flow only when the push-button is released.
- **"Intelligent" automatic rinsing:** flush volume adapts according to use - 3L "short" usage, 6L "long" usage - (can be adjusted to 2L/4L or 5L/9L).
- **3 programmes** (rinsing 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.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless WC pans and people with reduced mobility
- 30-year warranty.



TEMPOMATIC dual control WC remote	
6V battery-operated	**464306**
230/6V mains supply	**464300**
We recommend a flush tube *(see page 170)*	

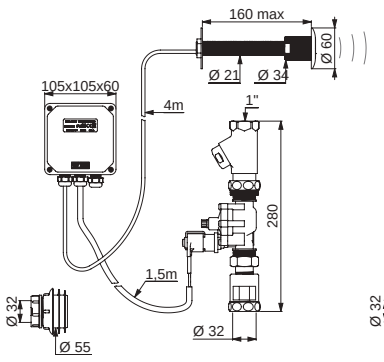


464300

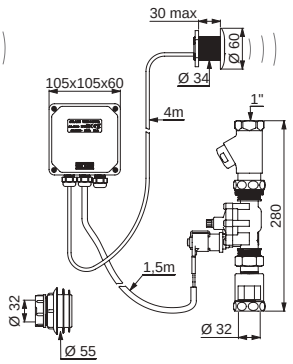
TEMPOMATIC
Cross wall electronic flush valve



- **Flush system without cistern**: directly connected to pipework.
- Mains supply with 1" solenoid valve.
- 230/12V transformer.
- Independent IP65 electronic unit.
- **Cross wall installation.**
- Shock-resistant infrared presence detection sensor.
- **Two activation modes:**
  - **touch-free,** by passing the hand in front of the sensor,
  - an **automatic** flush that is activated after each user leaves.
- Time flow ~7 seconds, can be adjusted from 3 - 12 seconds.
- Detection distance, flow rate and flush volume can be adjusted.
- FF1" stopcock.
- Ø 32mm vacuum breaker.
- Ø 32/55mm connection washer.
- Escutcheon flush to wall. Threaded rod can be cut to size.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for rimless WC pans and people with reduced mobility.
- Available without stopcock or backflow prevention device, for sea water compatible versions.
- 30-year warranty.



463150



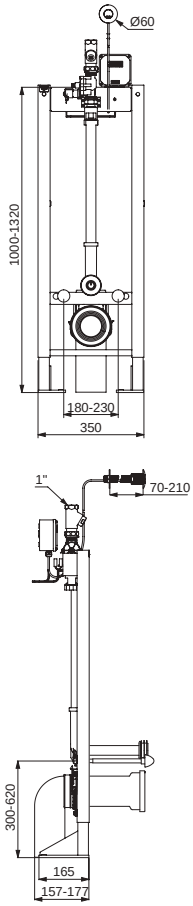
463030

TEMPOMATIC WC cross wall flush valve	
For walls ≤ 30mm	**463030**
For walls ≤ 30mm, sea water compatible	**463030HK**
For walls ≤ 160mm	**463150**

Alternative cross wall lengths available on request

TEMPOFIX 3 with TEMPOMATIC
Frame system with electronic flush valve





547105

- Black powder-coated self-supporting frame system with large feet for fixing to load-bearing floors.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- Ø 100mm PVC soil pipe with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Compatible with solid wall finishes from 70 - 210mm.**
- 30-year warranty.

Fitted with a TEMPOMATIC F1" electronic direct flush valve
(see opposite for technical description).

TEMPOFIX 3 frame system with TEMPOMATIC	547105

Options: wall fixings, sleeve connector and connection kit for disabled WC
(see page 170)

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

Modular
DELABIE's recessed housing can be attached from the sides, front or back, to be fixed to plasterboard rails, load-bearing walls or even thin panels. The installation is therefore modular, and adapts to suit any project.


Plasterboard rails


Load-bearing walls


Panels

Adaptable
The ideal positioning of the collar allows the housing to be cut to size lengthwise depending on the wall thickness, whilst still guaranteeing a complete waterproof seal. The housing adapts to all wall depth requirements, thick or thin, from 10 to 120mm.


Thick wall finish
Max. 120mm


Narrow wall finish
Min. 10mm

Quick and easy to install
The TEMPOFLUX 3 can be connected to standard pipes or "pipe-in-pipe". The hydraulic connection is made from the outside of the housing.

During installation, the cartridge is replaced by a temporary cap to flush the system safely, without damaging the technical elements.



Water savings
The 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 213.
The AB anti-blocking device limits the flush volume regardless of how long the push-button is pressed for.

100% waterproof
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 the collar.
DELABIE's recessed housing is equipped with a collar with an integrated seal, that clips onto the housing once the wall finish is in place (patented system).
It is completely waterproof without silicone. Any condensation is evacuated via the plate. The wall stays intact throughout.


Collar with integrated waterproof seal

Resistant to intensive use and vandalism
The control plate, made from satin finish stainless steel, will withstand even the most extreme handling. Its fixings are concealed and its streamlined design prevents unwanted removal. To prevent abuse or waste, the 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.

Minimal servicing and simple to maintain
Maintenance is carried out from the front by simply removing the control plate. The technical elements are accessible and the component parts come pre-assembled.
The flush volume can be adjusted directly behind the control plate, without shutting off the water supply or removing the valve.

The vacuum breaker 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 TEMPOFLUX 3 is compatible with sea water, rain water and grey water. Making protection from frost and in-depth maintenance easier, the valve can be disconnected and removed from the inside, without removing the housing.

Comfort
Thanks to its soft-touch operation, the 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.

Design
The TEMPOFLUX 3 control plate has a timeless design available in 2 finishes: satin finish stainless steel or chrome-plated metal. Thanks to its sleek lines, it fits perfectly in any type of public building. Its smooth surface limits the build-up of dirt and facilitates cleaning.



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

VALVE CAN BE CONNECTED FROM THE OUTSIDE
Easy to install

VALVE CAN BE DISCONNECTED FROM THE INSIDE
Simple to maintain

CARTRIDGE AND STOPCOCK CAN BE ACCESSED FROM THE FRONT
Simple to maintain

VACUUM BREAKER
inside the housing

COLLAR WITH INTEGRATED SEAL
Completely waterproof

HOUSING CAN BE CUT TO SIZE
adjusts to fit wall finishes up to 120mm

ANTI-BLOCKING ACTIVATION UNIT CAN BE ACCESSED FROM THE FRONT
Simple to maintain

STAINLESS STEEL CONTROL PLATE WITH DUAL FLUSH 3L/6L, CAN BE ADJUSTED TO 2L/4L
Design and water savings

Featured product: recessed TEMPOFLUX 3 time flow direct flush system for WCs (ref. 763BOX + 763000)

TEMPOFLUX 3

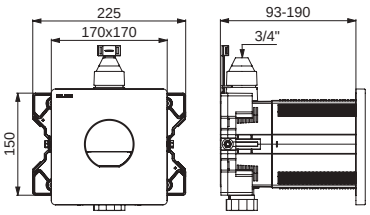
Recessed time flow direct flush valve for WCs



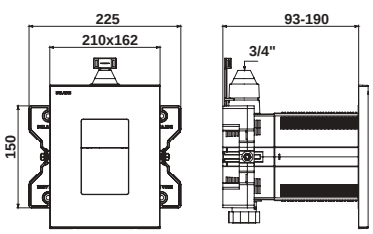




- **Flush system without cistern:** directly connected to pipework.
- **Chrome-plated metal control plate 170 × 170mm or satin stainless steel 210 × 162mm.**
- **Control plate fixed manually via concealed screws.**
- **Recessed waterproof housing:**
  - Collar with waterproof seal.
  - Hydraulic connection 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 F¾" flush valve is compatible with sea water, rain water and grey water.
  - Vacuum breaker inside the housing.
  - Supplied in 2 kits: secure system flush without sensitive elements.
- **Soft-touch operation.**
- **AB anti-blocking system:** water only flows when the push-button is released.
- **Dual flush 3L/6L, can be adjusted to 2L/4L** or single flush 6L.
- Outlet connection for PVC tube Ø 26/32mm.
- Acoustic level complies with European standard EN 12541 class II.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.



763BOX + 763040



763BOX + 763000

TEMPOFLUX 3 WC recessed in a waterproof housing	
Chrome-plated metal control plate, dual flush	**763BOX + 763040**
Chrome-plated metal control plate, single flush	**763BOX + 763041**
Satin stainless steel control plate, dual flush	**763BOX + 763000**

We recommend a flush tube *(see page 170)*

TEMPOFIX 3 with TEMPOFLUX 3

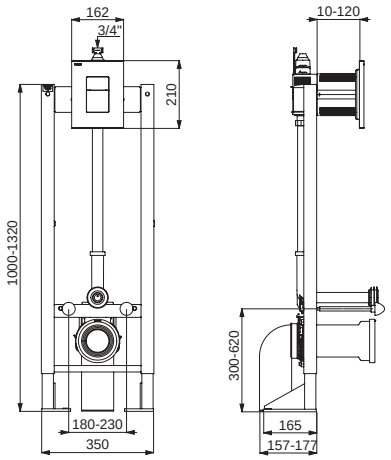
Frame system with time flow flush valve for WCs



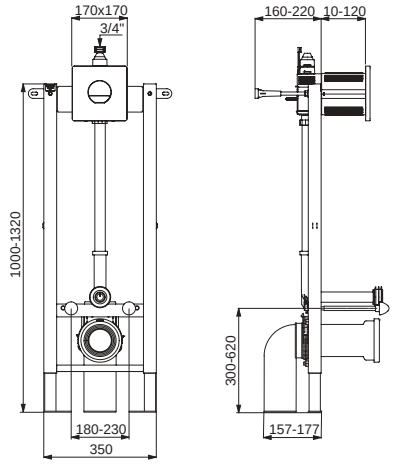
- Black powder-coated steel frame.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Recessed waterproof housing.
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe with Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **Compatible 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 F¾" time flow direct flush valve:
- Satin stainless steel control plate 210 × 162mm or chrome-plated metal control plate 170 × 170mm.
- **Control plate fixed manually via concealed screws.**
- **Soft-touch operation.**
- **Dual flush 3L/6L, can be adjusted to 2L/4L** or single flush 6L.
- **AB anti-blocking system.**
- Vacuum breaker inside the housing.
- Integrated stopcock and flow rate adjuster.
- Acoustic level complies with European standard EN 12541 class II.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with sea water, rain water and grey water.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.



564065 + 763000



564060 + 763040

TEMPOFIX 3 frame system with TEMPOFLUX 3 WC	
Satin stainless steel control plate	
Self-supporting model, dual flush	**564065 + 763000**
Wall-mounted model, dual flush	**564060 + 763000**
Chrome-plated metal control plate	
Self-supporting model, dual flush	**564065 + 763040**
Wall-mounted model, dual flush	**564060 + 763040**
Self-supporting model, single flush	**564065 + 763041**
Wall-mounted model, single flush	**564060 + 763041**

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1
Options: wall fixings, sleeve connector and connection kit for disabled WC
(see page 170)



TEMPOFIX 3 fire retardant frame system with TEMPOFLUX 3 WC time flow direct flush **565065 + 763000 -** Toilet brush set **4051S**
Toilet roll holder **510082S -** Double coat hook **4042S**

TEMPOFIX 3 with TEMPOFLUX 3

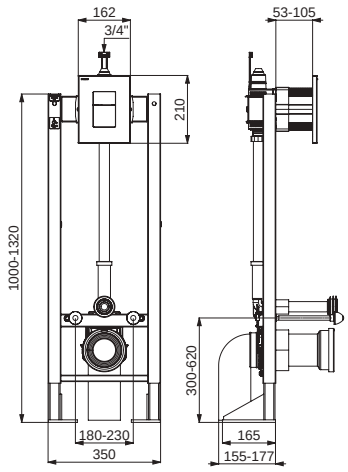
Fire retardant frame system with time flow direct flush valve for WCs



- Black powder-coated self-supporting steel frame with large feet for load-bearing floors.
- **Fire retardant 60 minutes** (tested according to ISO 834).
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Recessed waterproof housing with intumescent collar and fire protection set.
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe with Ø 100mm outlet with waterproof seal, with 2 setting positions and intumescent collar for fire protection.
- Delivered pre-mounted.
- **Compatible with solid walls from 53 to 105mm** (4 BA13 and tiling at minimum).

Fitted with TEMPOFLUX 3 WC F¾" time flow direct flush valve:

- Satin stainless steel control plate 210 × 162mm.
- **Control plate fixed manually via concealed screws.**
- **Soft-touch operation.**
- **Dual flush 3L/6L, can be adjusted to 2L/4L.**
- **AB anti-blocking system.**
- Vacuum breaker inside the housing.
- Integrated stopcock and flow rate adjuster.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Acoustic level complies with European standard EN 12541 class II.
- Compatible with sea water, rain water and grey water.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.



565065 + 763000

TEMPOFIX 3 self-supporting fire retardant frame system with TEMPOFLUX 3 WC	**565065 + 763000**

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

Options: wall fixings, sleeve connector and kit for disabled WC *(see page 170)*

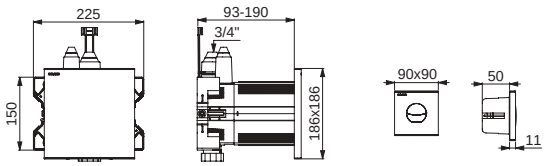
TEMPOFLUX 3 AB remote

Recessed time flow flush valve



- **Flush system without cistern:** directly connected to pipework.
- **Wall plate** in satin stainless steel 186 × 186mm.
- Satin stainless steel **time flow control plate** 90 × 90mm with chrome-plated.
- **Control plate fixed manually via concealed screws.**
- **Recessed waterproof 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, filter and cartridge are integrated and accessible from the front.
  - TEMPOFLUX 3 F¾" flush valve is compatible with sea water, rain water and grey water.
  - Vacuum breaker inside the housing.
- **Soft-touch operation.**
- **AB anti-blocking system:** water only flows when the 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.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.





763300

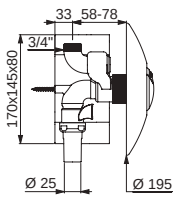
TEMPOFLUX 3 AB WC remote	763300
We recommend a flush tube *(see page 170)*	

TEMPOFLUX 2
Recessed time flow flush valve

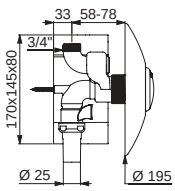


- **Flush system without cistern:** directly connected to pipework.
- Chrome-plated metal wall plate Ø 195mm.
- **Control plate fixed manually via concealed screws.**
- Adaptable recessed housing.
- Recessing depth can be adjusted 0 - 20mm.
- **Available with 6L single flush** or **3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- **Vacuum breaker.**
- **Integrated stopcock and flow rate/flush volume adjuster.**
- Brass body.
- Chrome-plated metal push-button.
- In-line inlet M¾".
- Outlet connection for PVC tube Ø 26/32mm.
- **Acoustic level complies with European standard EN 12541 class II.**
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.

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



762902



762901

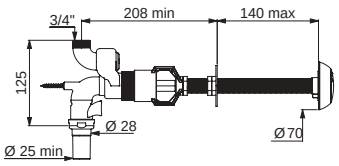
TEMPOFLUX 2 WC recessed flush valve	
3L/6L dual flush (DELABIE patented)	**762902**
6L single flush	**762901**

We recommend a flush tube *(see page 170)*

TEMPOFLUX 2
Cross wall time flow flush valve



- **Flush system without cistern:** directly connected to pipework.
- 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.**
- Brass body.
- Chrome-plated metal push-button.
- In-line inlet M¾".
- 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.**
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Base flow rate: 1 L/sec. 1 bar dynamic pressure.
- Compatible with rain water.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.



762150

TEMPOFLUX 2 WC cross wall flush valve	
	762150

TEMPOFIX 3 with TEMPOFLUX 2

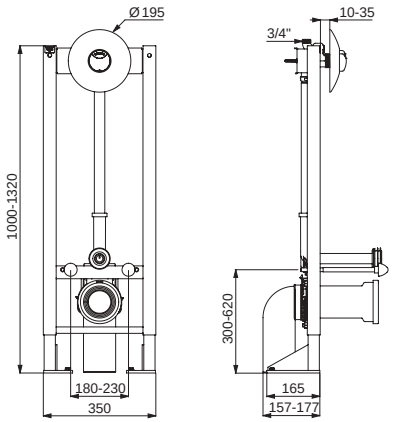
Frame system for drywall



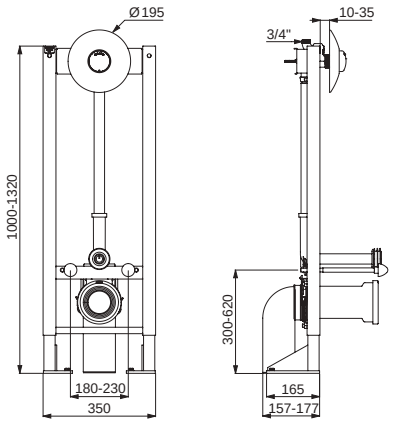
- Black powder-coated self-supporting steel frame with large feet for load-bearing floors.
- Frame height can be adjusted from 0 - 200mm (with 1m mark).
- Ø 32mm flush tube with Ø 55mm connection washer.
- ABS soil pipe with Ø 100mm outlet with waterproof seal, with 2 setting positions.
- Delivered pre-mounted.
- **For walls from 10 - 35mm.**

Fitted with TEMPOFLUX 2 time flow direct flush valve:

- **Flush system without cistern:** directly connected to pipework.
- Ø 195mm chrome-plated metal control plate with concealed fixings.
- **Available with 6L single flush** can be adjusted to 9L or **3L/6L dual flush** can be adjusted to 2L/4L.
- **Soft-touch operation.**
- Vacuum breaker.
- **Stopcock and flow rate/volume adjuster.**
- Brass body and shock-resistant, scale-resistant mechanism.
- In-line inlet M¾".
- Acoustic level complies with European standard EN 12541 class II.
- Base flow rate: 1 L/sec. at 1 bar dynamic pressure.
- **Supply pipe diameter:** Ø 20mm minimum internal pipe diameter is required at all points (connectors included).
- Compatible with rain water.
- Suitable for rimless WC pans and people with reduced mobility.
- 30-year warranty.



578305 + 578222



578305 + 578212

TEMPOFIX 3 frame system with TEMPOFLUX 2 WC (for drywall from 10 - 35mm)	
3L/6L dual flush (DELABIE patented)	**578305 + 578222**
6L single flush (can be adjusted to 9L)	**578305 + 578212**

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1

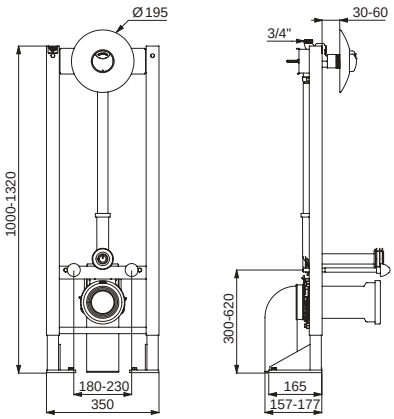
Options: wall fixings, sleeve connector and connection kit for disabled WC *(see page 170)*

TEMPOFIX 3 with TEMPOFLUX 2

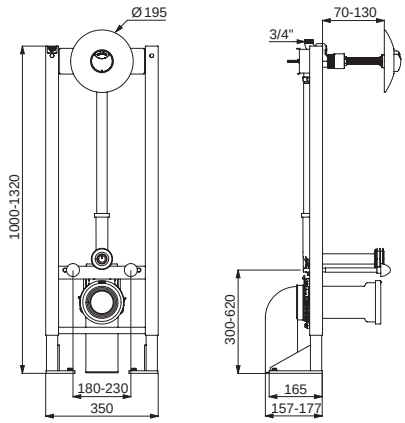
Frame system for semi-thick or thick walls



- See opposite for technical description.
- **For semi-thick solid walls from 30 - 60mm** or **thick walls from 70 - 130mm.**
- **Available with 6L single flush** can be adjusted to 9L or **3L/6L dual flush** (can be adjusted to 2L/4L).
- 30-year warranty.



578405 + 578222



578305 + 578230

TEMPOFIX 3 frame system with TEMPOFLUX 2 WC (for semi-thick walls from 30 - 60mm)	
3L/6L dual flush (DELABIE patented)	**578405 + 578222**
6L single flush (can be adjusted to 9L)	**578405 + 578212**
TEMPOFIX 3 frame system with TEMPOFLUX 2 WC (for thick, solid walls from 70 - 130mm) 3L/6L dual flush (DELABIE patented)	**578305 + 578230**

For Ø 90mm (or 110mm) soil pipe outlet versions: add "BE" (or "DE") after the reference for kit 1
For other wall thicknesses please contact us
Options: wall fixings, sleeve connector and connection kit for disabled WC *(see page 170)*

RECOMMENDATIONS

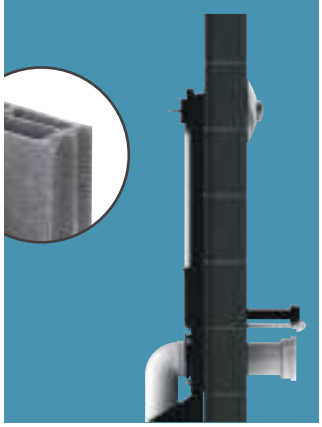
For drywall / plasterboard walls:
Wall thickness: 10 - 35mm



For semi-thick gypsum block walls:
Wall thickness: 30 - 60mm



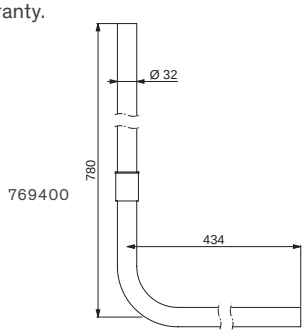
For thick brick or cinder block walls:
Wall thickness: 70 - 130mm



Flush tube for WC pans
For recessed flush system/cross wall



- For TEMPOMATIC, TEMPOFLUX 2 and 3.
- PVC tube for recessed or cross wall installation.
- Ø 26/32mm (bare, without connection washer).
- 30-year warranty.

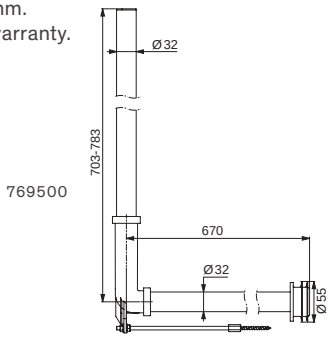


Cross wall/recessed flush tube for WC pans	**769400**

Flush tube for WC pans
For recessed flush system/cross wall



- For TEMPOMATIC, TEMPOFLUX 2 and 3.
- PVC tube for recessed or cross wall installation.
- With connection washer and HDPE pipe.
- For walls ≥ 60mm fix with bracket and screws.
- Ø 26/32mm.
- 30-year warranty.



Cross wall/recessed flush tube for WC pans	**769500**

Connection washer
For Ø 28mm or 32mm tubes



- With clamp.
- Neck Ø 55mm.
- 30-year warranty.



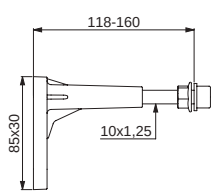
705028 705000

Connection washer	
Ø 28mm	**705028**
Ø 32mm	**705000**

Wall fixings
For TEMPOFIX 3



- 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.
- 30-year warranty.



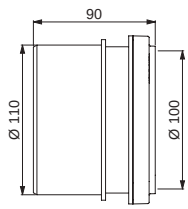
578MUR

TEMPOFIX 3 wall fixings	**578MUR**

Sleeve connector
For TEMPOFIX 3



- For horizontal evacuation.
- 30-year warranty.



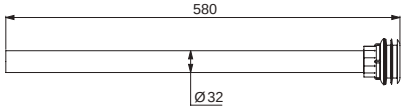
578110

Sleeve connector	
ABS, Ø 100/100mm	**578100**
HDPE, Ø 100/90mm	**578090**
HDPE, Ø 100/110mm	**578110**

Connection kit for disabled WCs
For TEMPOFIX 3



- Extended supply tube Ø 32mm, L. 580mm.
- Ø 55mm connection washer.
- 30-year warranty.



578PMR

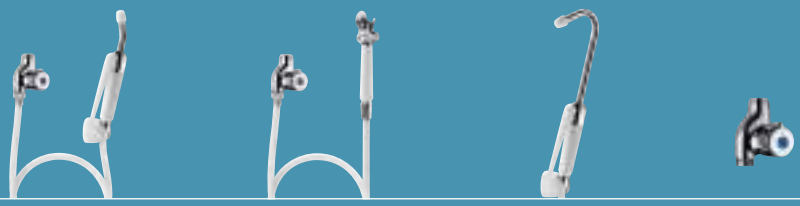
Connection kit for disabled WCs	**578PMR**

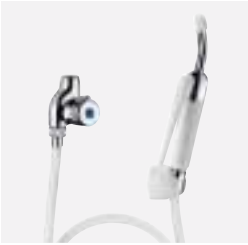



DELABIE

Water controls for bed pan cleaners

BED PAN CLEANERS
174





Bed pan cleaner with valve



HYGIÉNA hand spray



Push-button hand spray

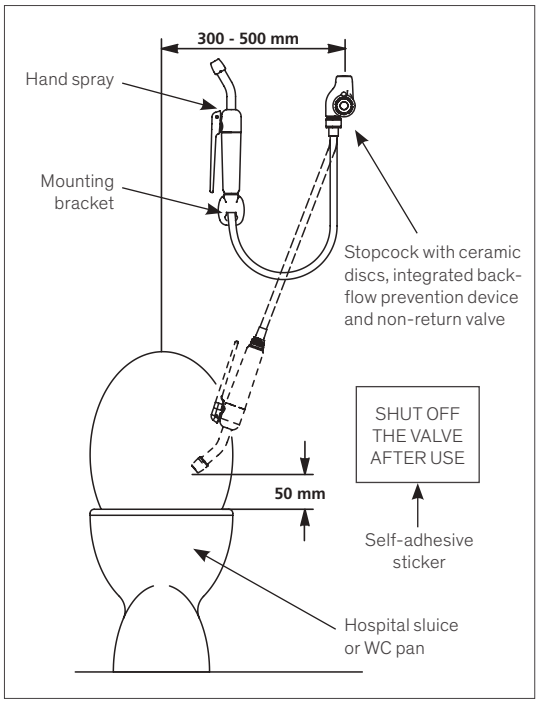
30 YEAR WARRANTY

CONTAMINATION PREVENTION

Non-return valve with integrated backflow prevention device
To prevent any risk of waste water flowing back into the main water supply, DELABIE's controls for bed pan cleaners include a stopcock with an integrated backflow prevention device (a mechanism for replacing foul water with air if there is any backflow) and a non-return valve. There is complete protection against contamination.

Safe installation
To comply with contamination safety regulations, the bed pan cleaner set must be installed so that the nozzle cannot come into contact with the sluice or WC pan (see diagram below).
The stopcock must be connected according to the type of supply:
- for recessed supply, use wall plate ref. 292015.2P for a better aesthetic.
- for exposed supply, use a reinforced connector ref. 841315.

Recommended pressure: minimum 1.5 bar up to 5 bar maximum.



GUARANTEED HYGIENE

DELABIE's hand sprays are specifically designed to deliver a powerful jet without splashing, ensuring thorough cleaning for basins, WC pans and sluices.

BIOSAFE: INFECTION CONTROL

Smooth, opaque flexible hose
The white, reinforced flexible hoses used for the bed pan cleaners are opaque, preventing any development of germs or algae due to the light.
They are also completely smooth (inside and outside) making them easy to clean and reducing bacterial retention.

EASY TO USE

When the stopcock is opened, DELABIE's bed pan cleaner with ceramic discs is primed.
The water flows from the hand spray when the trigger is pressed (standard trigger-operated version), or when the trigger is released (model with inverted trigger). The model with the inverted trigger must be shut off at the stopcock after use to avoid the flexible hose remaining under constant pressure.

AND ALSO...

Ergonomics
The hand spray sleeve and lever are made from reinforced polypropylene and are non-slip for a better grip.

30-year warranty against any manufacturing defects.
50 years repairability.

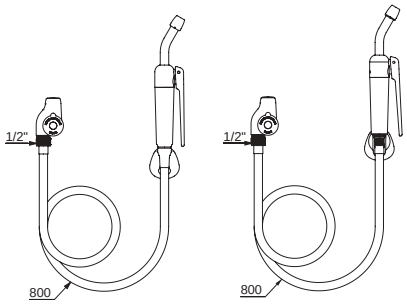


Featured product: HOSPITAL bed pan cleaner with valve (ref. 2591)

HOSPITAL bed pan cleaner
With stopcock



- Bed pan cleaner with **stopcock with ceramic discs. Integrated backflow prevention device and non-return valve.**
- White, opaque reinforced PVC flexible hose FF½", L. 0.8m.
- **HOSPITAL hand spray** with removable nozzle at a 30° angle.
  - Ref. 2591: standard trigger-operated hand spray.
  - Ref. 2592: inverted trigger-operated hand spray: **water flows when trigger is released;** shut off the stopcock after use to avoid the flexible remaining under constant pressure.
- White wall-mounted hook with screw.
- 30-year warranty.



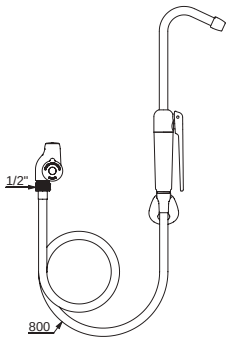
2591 2592

HOSPITAL bed pan cleaner with stopcock	
Standard hand spray	**2591**
Inverted hand spray	**2592**

HYGIÉNA bed pan cleaner
With stopcock



- Bed pan cleaner with **stopcock with ceramic discs. Integrated backflow prevention device and non-return valve.**
- White, opaque reinforced PVC flexible hose FF½", L. 0.8m.
- **HYGIÉNA hand spray** with removable nozzle at a 65° angle.
- Standard trigger-operated hand spray.
- White wall-mounted hook with screw.
- 30-year warranty.



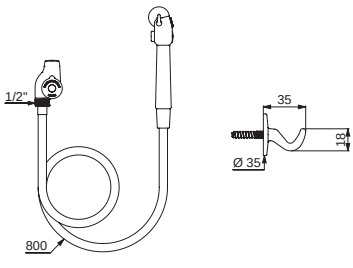
D275065

HYGIÉNA bed pan cleaner with stopcock	D275065

Push-button bed pan cleaner
With stopcock



- Bed pan cleaner with **stopcock with ceramic discs. Integrated backflow prevention device and non-return valve.**
- White, opaque reinforced PVC flexible hose FF½", L. 0.8m.
- **Push-button hand spray.**
- Chrome-plated brass wall-mounted hook.
- 30-year warranty.



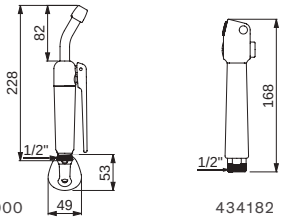
D275058

Push-button bed pan cleaner with stopcock	D275058

Hand spray



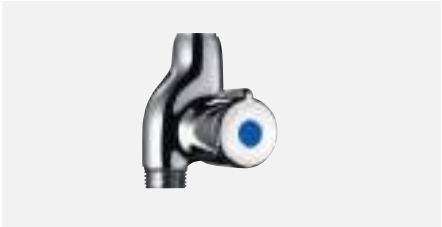
- Hand spray with removable nozzle: HOSPITAL, nozzle at a 30° angle; HYGIÉNA, nozzle at a 65° angle or a push-button hand spray.
- Chrome-plated brass and white polypropylene.
- White wall-mounted hook with screw for HOSPITAL and HYGIÉNA models.
- For push-button hand spray order a wall-mounted hook ref. 1585 *(see below)*.



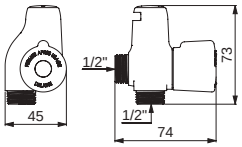
434000 434182

Hand spray for bed pan cleaners	
Standard HOSPITAL	**434000**
Inverted HOSPITAL	**15846**
HYGIÉNA	**434065**
With push-button	**434182**

M½" stopcock
Integrated backflow prevention device



- ¼-turn ceramic valve head.
- **Integrated backflow prevention device and non-return valve** (anti-pollution protection).
- Chrome-plated brass body.
- 30-year warranty.



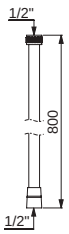
158100

M½" stopcock	158100

Reinforced flexible hose FF½"
White PVC flexible hose



- **Opaque, reinforced flexible hose FF½"** prevents the development of germs or algae.
- Rotating nuts FF½" prevent the flexible from twisting.
- Pre-mounted unions provide a waterproof seal.



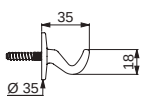
434080

Reinforced white PVC flexible hose FF½"	
L. 0.80m	**434080**
L. 1.00m	**1583**
L. 1.25m	**434125**

Wall-mounted hook
For push-button hand spray



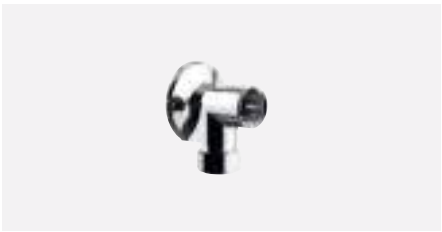
- For surface mounting.
- Chrome-plated brass.
- For push-button hand spray ref. 434182 *(see above).*
- 30-year warranty.



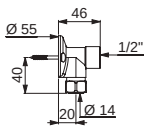
1585

Wall-mounted hook	1585

Reinforced exposed connector
For M½" stopcock



- Reinforced chrome-plated brass exposed connector.
- Ø 14mm stud nut.
- MF½".
- Fixed by 2 screws 5 × 35mm (supplied).
- 30-year warranty.



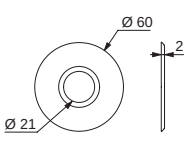
841315

Reinforced exposed connector	841315

Moulded escutcheon



- Chrome-plated solid brass wall plate.
- Ø 60mm.
- Supplied in packs of 2.
- 30-year warranty.



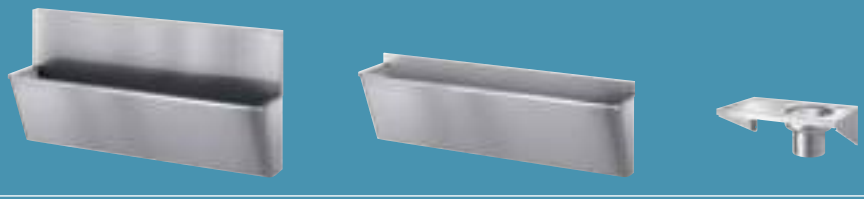
292015.2P

Wall-mounted wall plate	292015.2P



Sanitary ware

SURGICAL SCRUB UP TROUGHS PLASTER SINK
181



DISPOSAL SINKS CLEANERS' SINKS
184



DRINKING FOUNTAINS
187



HAND WASHBASINS
188



WASHBASINS
190



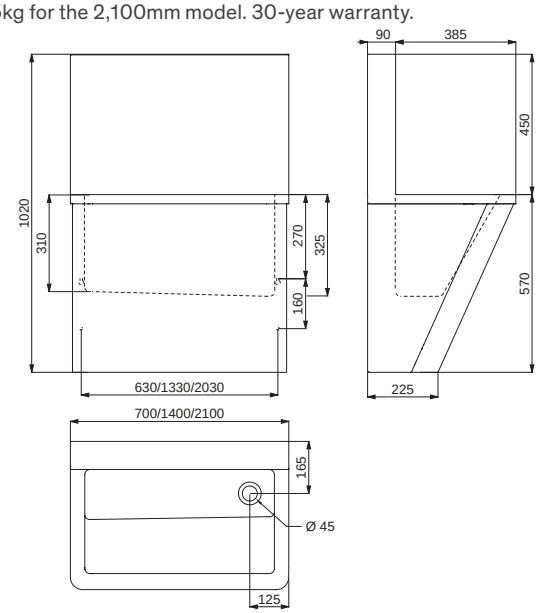


SECURITHERM thermostatic mixer with BIOCLIP spout **H9611P -** "Hygiène +" surgical scrub-up trough with high upstand **187200 -** Paper towel dispenser **6607D**

Surgical scrub up trough
High upstand - "Hygiene +" design



- Wall-mounted surgical scrub up trough with 450mm upstand.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Smooth surface and rounded inside edges for easy cleaning.
- "Hygiene +" design: reduces niches where bacteria can develop, concealed trap, easy to clean.
- Drainage on the right. Without overflow. Supplied with fixing elements and 1¼" waste.
- CE marked. Complies with European standard EN 14296.
- Weight: 20.3kg for the 700mm model; 34.4kg for the 1,400mm model; 48.5kg for the 2,100mm model. 30-year warranty.



185000/186000/187000

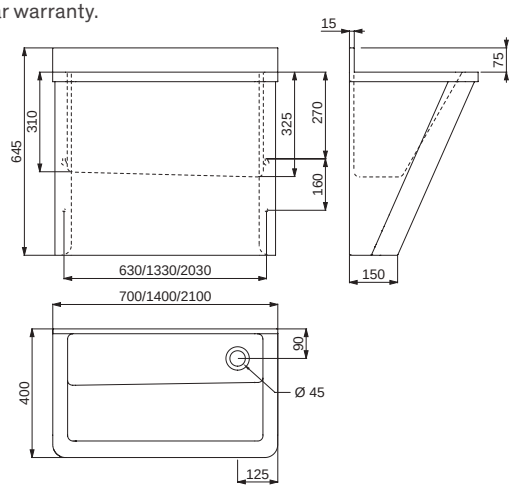
Surgical scrub up trough with high upstand	
Without tap holes	
Polished satin 304 stainless steel - L. 700mm - 1 service	**185000**
Polished satin 304 stainless steel - L. 1,400mm - 2 services	**186000**
Polished satin 304 stainless steel - L. 2,100mm - 3 services	**187000**
With 1 single tap hole Ø 22 per service	
Polished satin 304 stainless steel - L. 700mm - 1 service	**185100**
Polished satin 304 stainless steel - L. 1,400mm - 2 services	**186100**
Polished satin 304 stainless steel - L. 2,100mm - 3 services	**187100**
With 1 twin tap hole Ø 22 with 150mm centres per service	
Polished satin 304 stainless steel - L. 700mm - 1 service	**185200**
Polished satin 304 stainless steel - L. 1,400mm - 2 services	**186200**
Polished satin 304 stainless steel - L. 2,100mm - 3 services	**187200**

Available on request: other lengths (700mm - 2,400mm)

Surgical scrub up trough
Low upstand - "Hygiene +" design



- Wall-mounted surgical scrub up trough with 75mm upstand.
- Complies with the former HTM64 guidance and new Health Building Note 00-10: Part C - Sanitary Assemblies (SU H1, SU H2, SU H3) (ref.s 18502015, 18602015 and 18702015).
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Smooth surface and rounded inside edges for easy cleaning.
- "Hygiene +" design: reduces niches where bacteria can develop, concealed trap, easy to clean.
- Drainage on the right. Without overflow. Supplied with fixing elements and 1¼" waste.
- CE marked. Complies with European standard EN 14296.
- Weight: 15.6kg for the 700mm model; 17.2kg for the 800mm model; 26.6kg for the 1,400mm model; 29.8kg for the 1,600mm model; 37.6kg for the 2,100mm model; 42.5kg for the 2,400mm model.
- 30-year warranty.



185020/186020/187020

Surgical scrub up trough with low upstand - Without tap hole	
Polished satin 304 stainless steel - L. 700mm - 1 service	**185020**
Polished satin 304 stainless steel - L. 1,400mm - 2 services	**186020**
Polished satin 304 stainless steel - L. 2,100mm - 3 services	**187020**
Surgical scrub up trough with low upstand - Without tap hole (HTM64)	
Polished satin 304 stainless steel - L. 800mm - 1 service	**18502015**
Polished satin 304 stainless steel - L. 1,600mm - 2 services	**18602015**
Polished satin 304 stainless steel - L. 2,400mm - 3 services	**18702015**

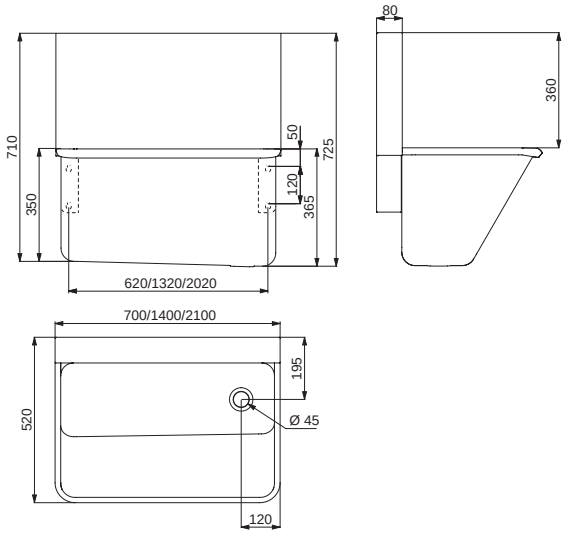
Available on request: other lengths (700mm - 2,800mm)

: dispatch within 4 weeks : stock item

Surgical scrub up trough
High upstand



- Wall-mounted surgical scrub up trough with 360mm upstand.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Smooth surface and rounded inside edges for easy cleaning.
- Drainage on the right. Without overflow. Supplied with fixing elements.
- CE marked. Complies with European standard EN 14296.
- Weight: 13.8kg for the 700mm model; 24.2kg for the 1,400mm model; 34.9kg for the 2,100mm model.
- 30-year warranty.



181000/182000/183000

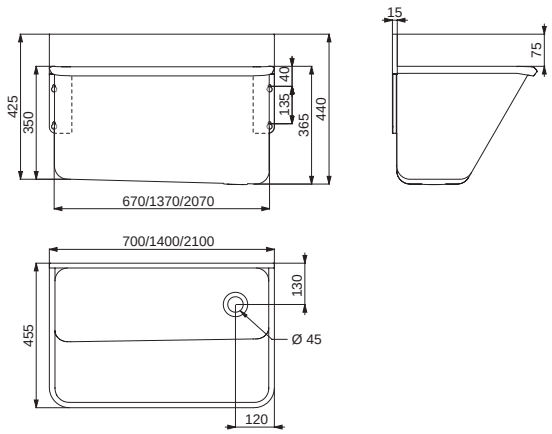
Surgical scrub up trough with high upstand		
Without tap holes		
Polished satin 304 stainless steel - L. 700mm - 1 service		**181000**
Polished satin 304 stainless steel - L. 1,400mm - 2 services		**182000**
Polished satin 304 stainless steel - L. 2,100mm - 3 services		**183000**
With 1 single tap hole Ø 22mm per service		
Polished satin 304 stainless steel - L. 700mm - 1 service		**181100**
Polished satin 304 stainless steel - L. 1,400mm - 2 services		**182100**
Polished satin 304 stainless steel - L. 2,100mm - 3 services		**183100**
With 1 twin tap hole Ø 22mm with 150mm centres per service		
Polished satin 304 stainless steel - L. 700mm - 1 service		**181200**
Polished satin 304 stainless steel - L. 1,400mm - 2 services		**182200**
Polished satin 304 stainless steel - L. 2,100mm - 3 services		**183200**
Available on request: other lengths (700mm - 2,400mm)		

: dispatch within 4 weeks : stock item

Surgical scrub up trough
Low upstand



- Wall-mounted surgical scrub up trough with 75mm upstand.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Smooth surface and rounded inside edges for easy cleaning.
- Drainage on the right. Without overflow. Supplied with fixing elements
- CE marked. Complies with European standard EN 14296.
- Weight: 10.6kg for the 700mm model; 18.8kg for the 1,400mm model; 27kg for the 2,100mm model.
- 30-year warranty.



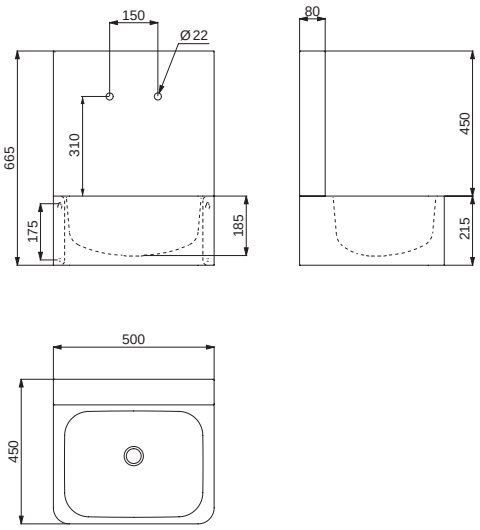
181020/182020/183020

Surgical scrub up trough with low upstand - Without tap holes		
Polished satin 304 stainless steel - L. 700mm - 1 service		**181020**
Polished satin 304 stainless steel - L. 1,400mm - 2 services		**182020**
Polished satin 304 stainless steel - L. 2,100mm - 3 services		**183020**
Available on request: other lengths (700mm - 2,800mm)		

Hygiene hand washbasin
High upstand



- Wall-mounted washbasin with 450mm upstand.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Available with or without tap hole.
- Smooth surface and rounded inside edges for easy cleaning.
- Deep bowl reduces the risk of splashing ensuring a comfortable hand-washing experience.
- Supplied with 1¼" waste. Without overflow.
- CE marked. Complies with European standard EN 14688.
- Weight: 10.2 kg.
- 30-year warranty.



188200

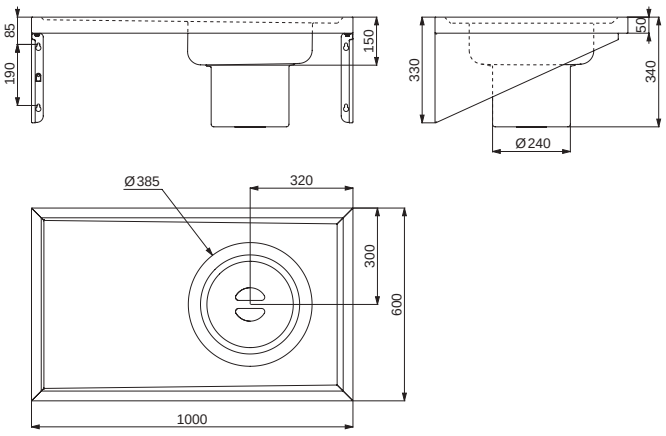
Hygiene hand washbasin - Polished satin 304 stainless steel	
Without tap holes	**188000**
With 1 single tap hole Ø 22mm centres	**188100**
With 2 tap holes Ø 22mm centres 150mm	**188200**
With 2 tap holes, 1 × Ø 22mm tap hole 1 × Ø 30mm, for electronic sensor	**188300**

Options: electronic controls *(see pages 84 - 87)* or thermostatic controls *(see page 89)*

Plaster sink
Wall-mounted



- Wall-mounted plaster sink.
- Complies with the former HTM64 guidance and new Health Building Note 00-10: Part C - Sanitary Assemblies (PS H).
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.5mm.
- Smooth surface and flat edges for easy cleaning.
- Supplied with removable plaster basket with lid to filter plaster debris.
- Can be installed in 2 ways: bowl on the right or bowl on the left.
- Waste outlet 1½".
- Supplied with fixing elements.
- Weight: 17kg.
- 30-year warranty.



180130

Wall-mounted plaster sink Polished satin 304 stainless steel	**180130**

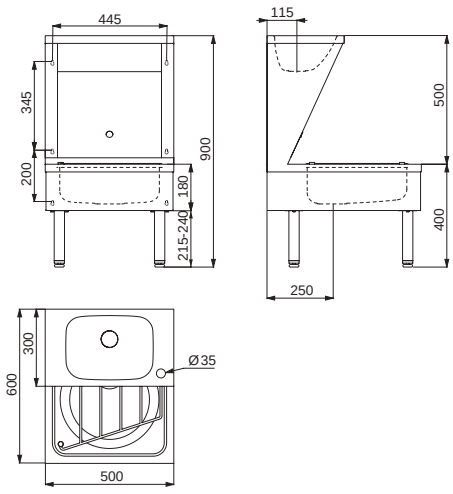
: dispatch within 4 weeks : stock item

SANITARY WARE

Janitorial unit
Floor-standing



- Floor-standing janitorial unit.
- Complies with the former HTM64 guidance and new Health Building Note 00-10: Part C - Sanitary Assemblies (JU).
- Bacteriostatic 304 stainless steel. Stainless steel thickness: 1mm.
- Smooth surface for easy cleaning.
- Adjustable feet height up to 25mm. Hinged stainless steel bucket grid.
- Easy to maintain: access panel at the front.
- Supplied with 1¼" waste for the basin and 1½" waste for the disposal sink.
- Without overflow.
- CE marked. Complies with EN 14688.
- Weight: 22kg.
- 30-year warranty.



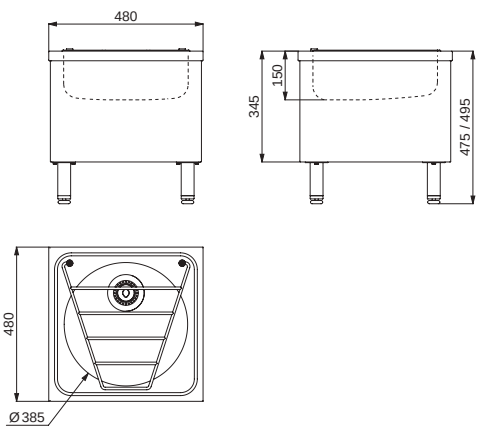
180140

Floor-standing janitorial unit with right tap hole Ø 35mm Polished satin 304 stainless steel	**180140**

Disposal sink
Floor-standing



- Floor-standing disposal sink.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1mm.
- One-piece pressed bowl, seam-free.
- Smooth surface for easy cleaning.
- Adjustable feet height up to 40mm.
- Supplied with 1½" waste. Without overflow.
- Hinged stainless steel bucket grid.
- Weight: 10.6kg.
- 30-year warranty.



180150

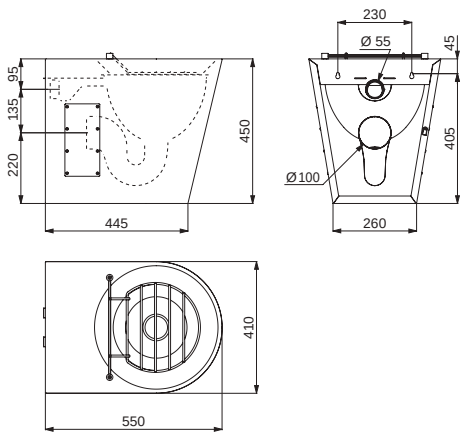
Floor-standing disposal sink Polished satin 304 stainless steel	**180150**

: dispatch within 4 weeks : stock item

XL P disposal sink
Floor-standing



- Floor-standing disposal sink.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.5mm.
- Smooth surface for easy cleaning.
- Concealed perimetral flushing system.
- Horizontal or vertical water inlet: Ø 55mm.
- Horizontal or vertical water outlet: Ø 100mm. Supplied with PVC pipe.
- Concealed drainage: shrouded sink.
- Quick and easy to install: 2 access panels with theft prevention TORX security screws.
- Hinged stainless steel bucket grid.
- Weight: 16kg.
- 30-year warranty.



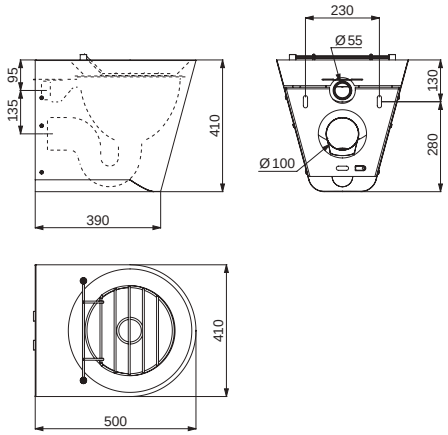
182060

Floor-standing XL P disposal sink - Polished satin 304 stainless steel		
Horizontal water inlet		182060
Vertical water inlet		182070

XL S disposal sink
Wall-mounted



- Wall-mounted disposal sink.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.5mm.
- Smooth surface for easy cleaning.
- Concealed perimetral flushing system.
- Horizontal water inlet: Ø 55mm.
- Recessed horizontal waste outlet: Ø 100mm.
- Concealed drainage: shrouded sink.
- Quick and easy to install from the front thanks to a stainless steel mounting frame.
- Hinged stainless steel bucket grid.
- Weight: 15kg.
- 30-year warranty.



182160

Wall-mounted XL S disposal sink Polished satin 304 stainless steel		
		182160

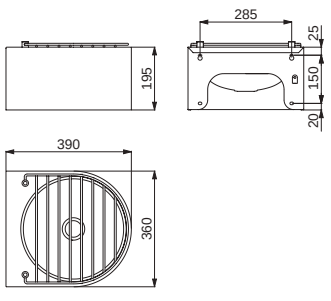
: dispatch within 4 weeks : stock item

SANITARY WARE

Disposal sink
Wall-mounted



- Wall-mounted disposal sink.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Smooth surface for easy cleaning.
- Hinged stainless steel bucket grid.
- Supplied with 1¼" waste.
- Without overflow.
- Supplied with fixing elements.
- Weight: 5.1kg.
- 30-year warranty.



180170

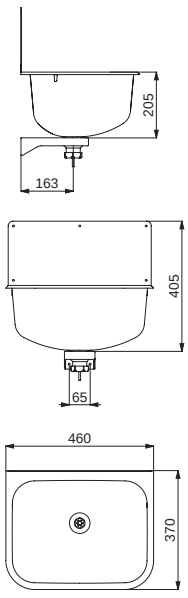
Wall-mounted disposal sink **Polished satin 304 stainless steel**		**180170**

: dispatch within 4 weeks : stock item

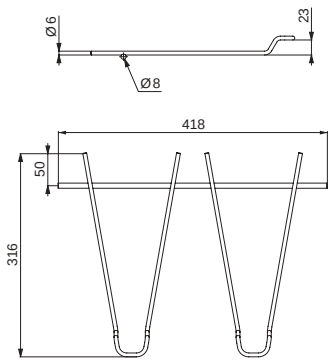
Cleaners' sink with upstand
Wall-mounted



- Wall-mounted cleaners' sink with splashback.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 0.9mm.
- Seam-free, pressed bowl.
- Deep sink.
- Smooth surface. Rounded edges prevent injury.
- Supplied with 1½" waste. Without overflow.
- Supplied with fixing elements and splashback.
- Option to add a stainless steel hinged, lift-up grid.
- Weight: 4.6kg.
- 30-year warranty.



182400



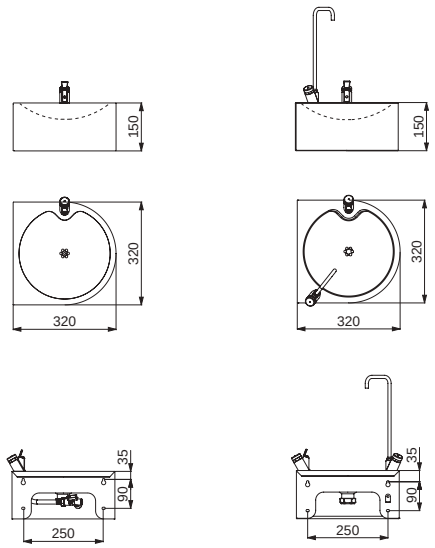
102400

Wall-mounted cleaners' sink with splashback		
Polished satin 304 stainless steel		**182400**
Stainless steel hinged grid for model 182400		**102400**

SD drinking fountains
Wall-mounted



- Wall-mounted drinking fountain.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Rounded edges prevent injury.
- Models with WRAS approved bubbler tap: chrome-plated, instant shut-off and adjustable flow rate, inlet M⅜".
- Models with WRAS swan neck spout for filling water bottles and flasks: chrome-plated brass body and stainless steel spout, instant shut-off with adjustable flow rate, M⅜" connection.
- Flat perforated waste, without screws: easy to clean and vandal-resistant.
- Waste outlet 1¼".
- Supplied with fixing elements.
- Weight: 2.4kg to 3 kg depending on the model.
- 30-year warranty.



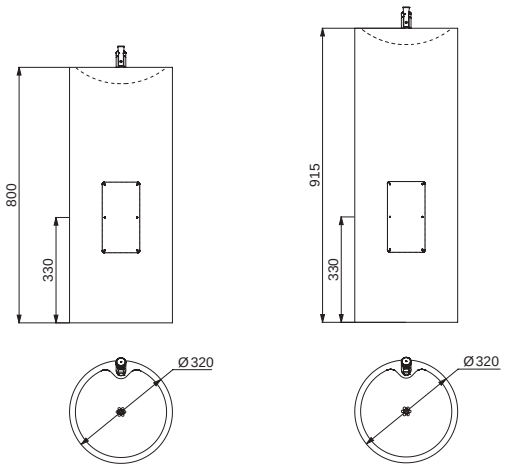
180800 180820

Wall-mounted SD drinking fountains - Polished satin 304 stainless steel		
Integrated bubbler tap		**180800**
Integrated swan neck spout		**180810**
Integrated bubbler tap and swan neck spout		**180820**

ILHA and ILHA JR drinking fountains
Floor-standing



- Floor-standing drinking fountain.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 0.8mm.
- Available in two different heights: 915mm and 800mm for children.
- Supplied with a WRAS approved bubbler tap: chrome-plated, instant shut-off and adjustable flow rate, inlet M⅜".
- Flat perforated waste, without screws: easy to clean and vandal-resistant.
- Recessed vertical water outlet. Waste outlet 1¼".
- Weight: 9kg for the 800mm model; 9.6kg for the 915mm model.
- 30-year warranty.



180110 180100

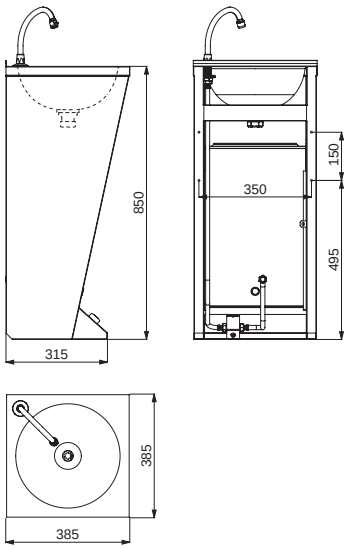
Floor-standing ILHA and ILHA JR drinking fountains with integrated bubbler tap		
Polished satin 304 stainless steel - Height 915mm		**180100**
Polished satin 304 stainless steel - Height 800mm		**180110**

: dispatch within 4 weeks : stock item

SXL hand washbasin
Foot-operated



- Floor-standing, foot-operated hand washbasin.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 0.8mm.
- Supplied with swan neck spout and time flow tap with 7-second time flow.
- Easy to maintain: access panel at the front.
- Supplied with 1¼" waste.
- Without overflow.
- Supplied with fixing elements.
- CE marked. Complies with European standard EN 14688.
- Weight: 10kg.
- 30-year warranty.



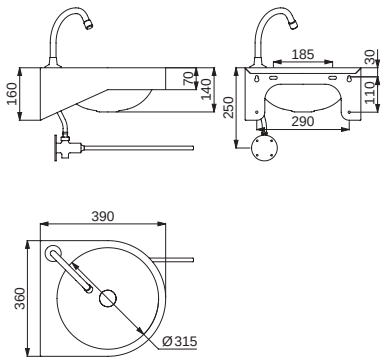
180300

Floor-standing SXL hand washbasin with integrated tap Polished satin 304 stainless steel	**180300**

GENOU hand washbasin
Knee-operated



- Wall-mounted, knee-operated hand washbasin.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Rounded edges prevent injury.
- Supplied with swan neck spout and time flow tap with 7-second time flow.
- Supplied with 1¼" waste.
- Without overflow.
- Supplied with fixing elements.
- CE marked. Complies with European standard EN 14688.
- Weight: 5kg.
- 30-year warranty.



180330

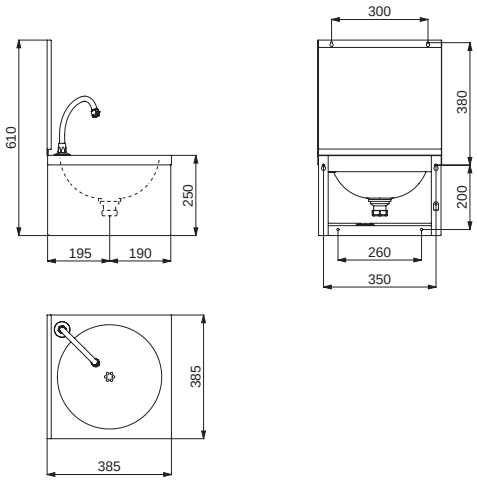
Wall-mounted GENOU hand washbasin with integrated tap Polished satin 304 stainless steel	**180330**

: dispatch within 4 weeks : stock item

SXS mechanical hand washbasin
Knee-operated



- Wall-mounted, knee-operated hand washbasin.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 0.8mm.
- Rounded edges prevent injury.
- Available with or without splashback.
- Bare model (without tap) or complete model (with tap and premixer).
- Complete model consists of: swan neck spout, soft-touch time flow tap with 7-second time flow and a premixer with non-return valves.
- Flat perforated waste, without screws: easy to clean and vandal-resistant. Without overflow.
- Water savings: flow rate pre-set at 3 lpm.
- Maximum hygiene: no manual contact with tap.
- Supplied with fixing elements.
- CE marked. Complies with European standard EN 14688.
- Weight: 4.3kg.
- 30-year warranty.



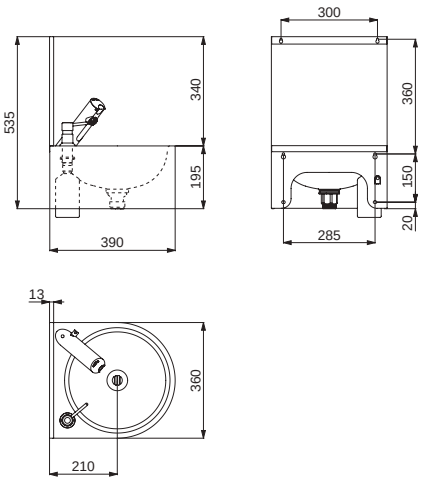
182320

SXS mechanical hand washbasin without tap		
Hand washbasin alone, without splashback		**181310**
Hand washbasin alone, with splashback		**181320**
SXS mechanical hand washbasin with tap and premixer		
Complete hand washbasin without splashback		**182310**
Complete hand washbasin with splashback		**182320**
Option: soap dispensers *(see page 96)*		

SXS electronic hand washbasin
Electronic control



- Wall-mounted hand washbasin with electronic control.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Rounded edges prevent injury.
- Available with or without splashback.
- Supplied with a WRAS approved electronic tap with integrated batteries and solenoid valve, a WRAS approved thermostatic mixing valve and a 304 stainless steel soap or hydroalcoholic gel dispenser.
- Supplied with 1¼" waste. Without overflow.
- Water savings: flow rate pre-set at 3 lpm.
- Maximum hygiene: no manual contact with tap, reduced-stagnation solenoid valve, duty flush prevents bacterial development.
- Supplied with fixing elements.
- CE marked. Complies with European standard EN 14688.
- Weight: 4.1kg.
- 30-year warranty.



184320

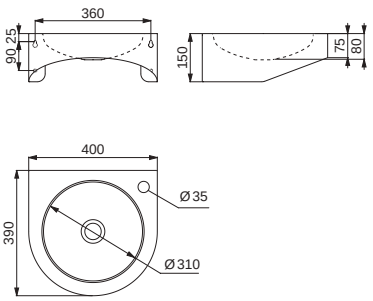
SXS electronic hand washbasin with tap and soap dispenser		
Complete hand washbasin without splashback		**184310**
Complete hand washbasin with splashback		**184320**
SXS electronic hand washbasin with tap and soap dispenser (WRAS)		
Complete hand washbasin without splashback		**18431015**
Complete hand washbasin with splashback		**18432015**

: dispatch within 4 weeks : stock item

PMR XS hand washbasin
Wall-mounted



- Wall-mounted hand washbasin, 400 × 390mm.
- Basin internal diameter: 310mm.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Rounded edges prevent injury.
- Supplied with 1¼" waste.
- Without overflow.
- Supplied with fixing elements.
- CE marked. Complies with European standard EN 14688.
- Weight: 3.9kg.
- 30-year warranty.

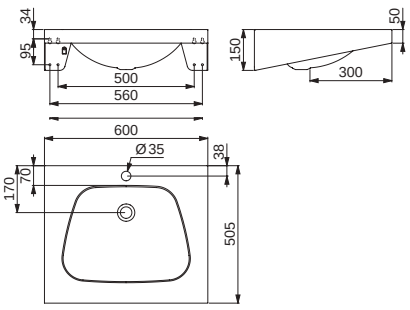


123400

TRAPEZ washbasin
Wall-mounted



- Wall-mounted washbasin, 600 × 505mm.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm.
- Rounded edges prevent injury.
- Supplied with 1¼" waste.
- Without overflow.
- Supplied with fixing elements.
- CE marked. Complies with European standard EN 14688.
- Weight: 5.5kg.
- 30-year warranty.



121270

Wall-mounted PMR XS hand washbasin - Polished satin 304 stainless steel		
Without tap hole		**120400**
With right tap hole Ø 35mm		**123400**

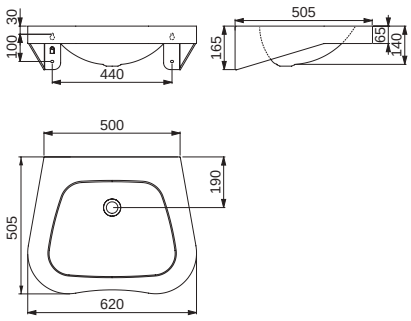
Wall-mounted TRAPEZ washbasin - Polished satin 304 stainless steel		
Without tap hole		**120270**
With central tap hole Ø 35mm		**121270**

: dispatch within 4 weeks : stock item

FRAJU PMR washbasin
Wall-mounted



- Wall-mounted washbasin, 620 × 505mm.
- Bacteriostatic 304 stainless steel.
- Stainless steel thickness: 1.2mm for the bowl and 1.5mm for surround.
- Rounded edges prevent injury.
- Supplied with 1¼" waste.
- Without overflow.
- Supplied with fixing elements.
- CE marked. Complies with European standard EN 14688.
- Weight: 5kg.
- 30-year warranty.



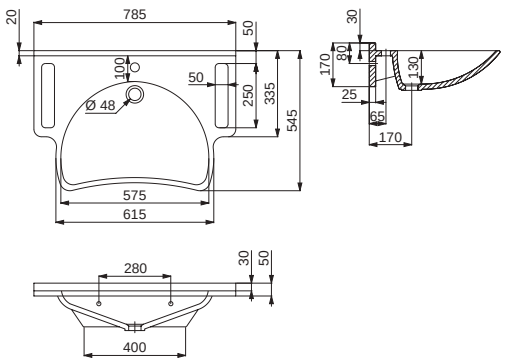
120440

Wall-mounted FRAJU PMR washbasin - Polished satin 304 stainless steel	
Without tap hole	**120440**
With central tap hole Ø 35mm	**121440**

MINERALCAST PMR washbasin
Wall-mounted



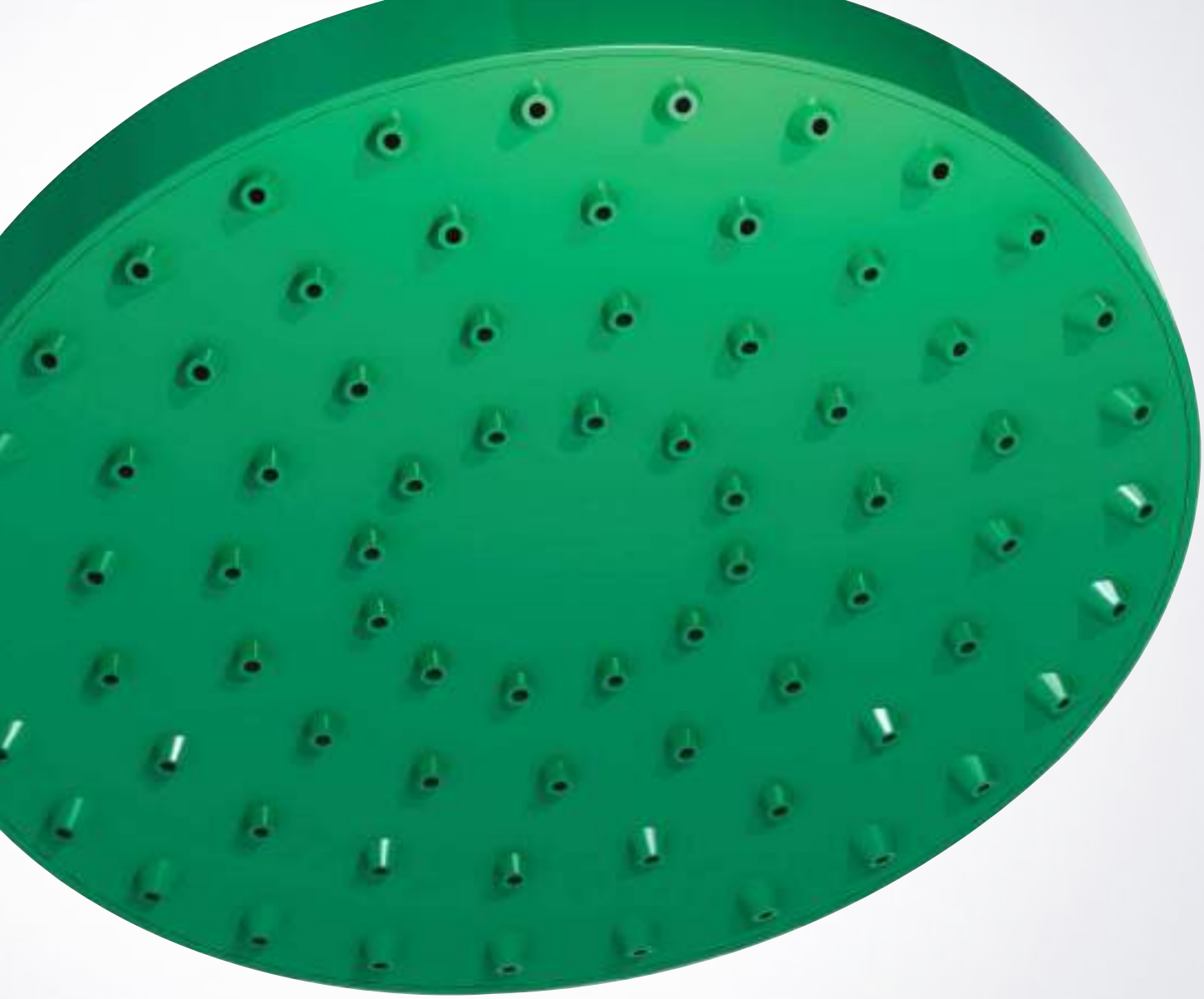
- Wall-mounted washbasin, 785 × 545 × 170mm.
- With integral side grips which can be used as a support or a towel holder.
- MINERALCAST: composite material consisting of natural minerals and polyester resin.
- Shallow washbasin.
- Uniform, non-porous surface is easy to clean.
- One-piece cast washbasin, seam-free, for easy maintenance and better hygiene.
- Warm to the touch.
- Without overflow.
- Supplied with fixing elements.
- White, RAL 9016.
- CE marked. Complies with European standard EN 14688.
- Weight: 21.5kg.
- 30-year warranty.



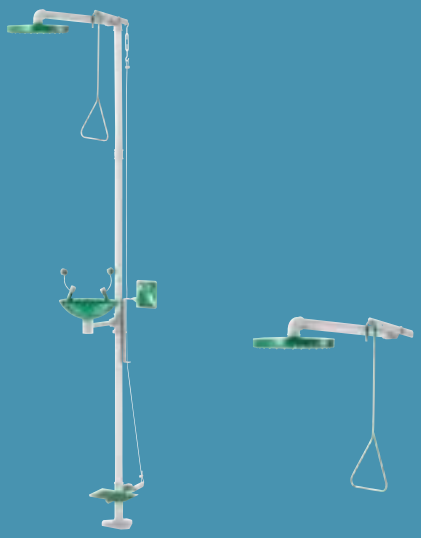
132306

Wall-mounted MINERALCAST PMR washbasin with central tap hole Ø 35mm	**132306**

: dispatch within 4 weeks : stock item



Safety controls



SAFETY SHOWERS
197



EYE WASH STATIONS
198



Even, conical flow



Optimised rinsing for eyes



Frost-free system comes as standard

30 YEAR WARRANTY

50 YEARS REPAIRABILITY

SAFETY CONTROLS: SPECIFICALLY DESIGNED FOR RAPID DECONTAMINATION

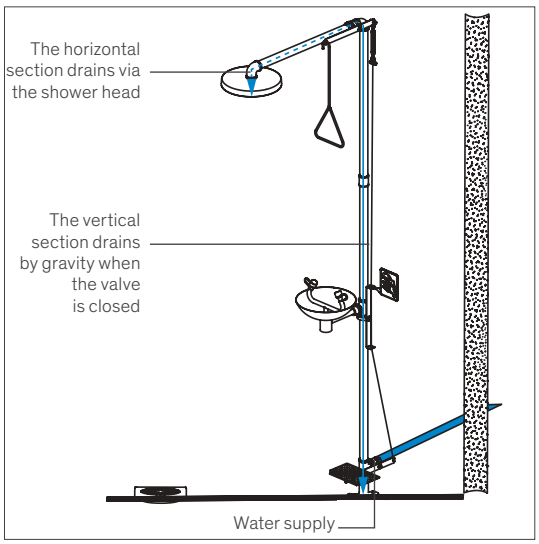
In order to address the risk of contamination to the body, face and/or eyes posed by harmful chemicals, DELABIE has developed a range of safety controls. DELABIE's safety showers and eye wash stations provide users with an efficient decontamination facility at the site of the incident, especially during 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 dynamic pressure.
- Showers: flow rate 96 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 thermostatic mixing valve depending on the nature and flow rate of the equipment, *see pages 144 - 145).*
So that the location of the safety controls can be easily identified, green identification signs are supplied with each item.

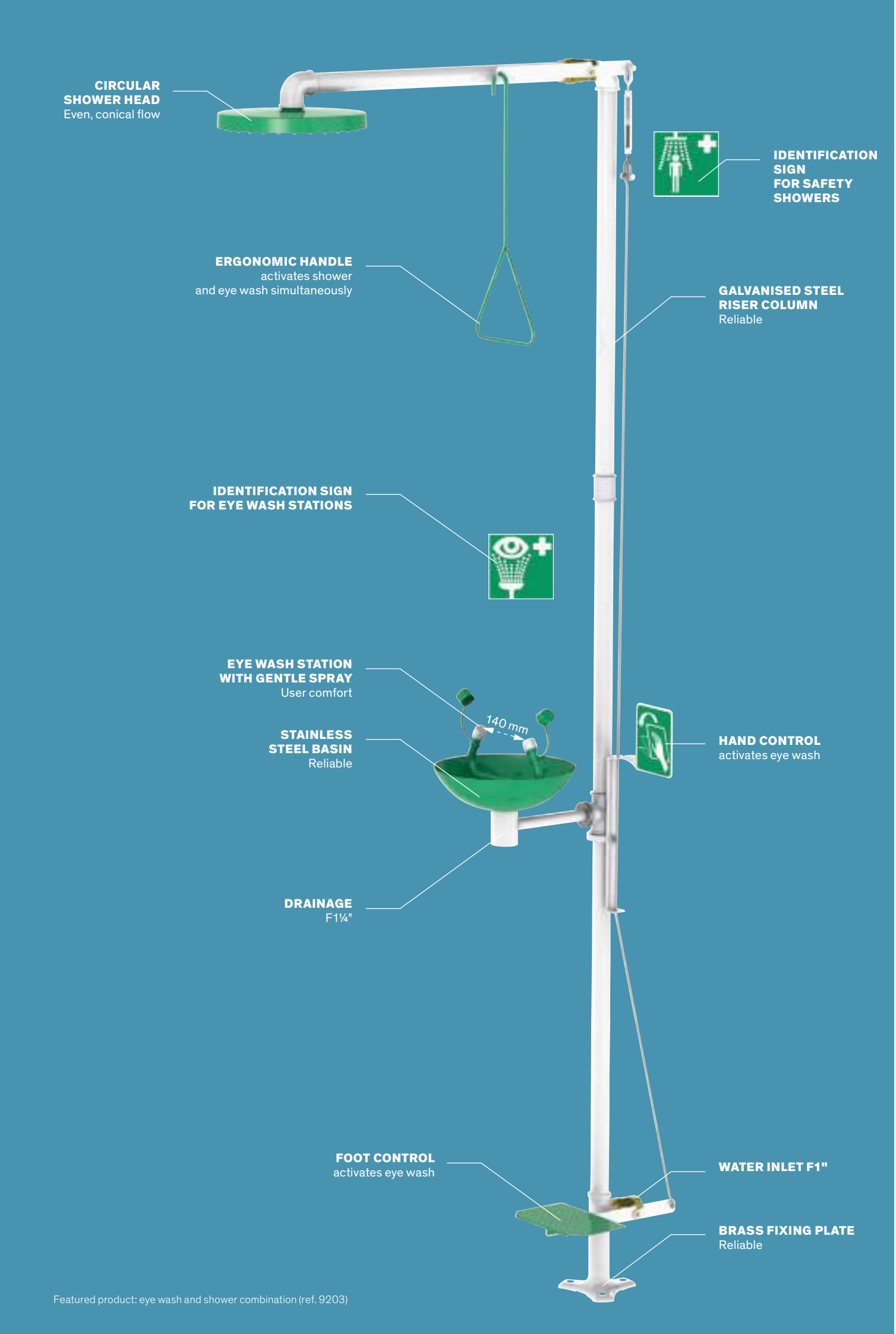
Easy to operate
DELABIE's safety controls are designed to be quick and easy to operate.
Water flows when the triangular handle is pulled, the foot pedal is pressed or the hand control is pulled towards the user.

Compliance
DELABIE's safety controls comply with the following European standards:
- Safety showers: European standard EN15154-1 and EN15154-5.
- 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.

AND ALSO...

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.

30-year warranty against any manufacturing defect.
50 years repairability.



Featured product: eye wash and shower combination (ref. 9203)



Eye wash and shower combination **9203**

Eye wash and shower combination
Free-standing



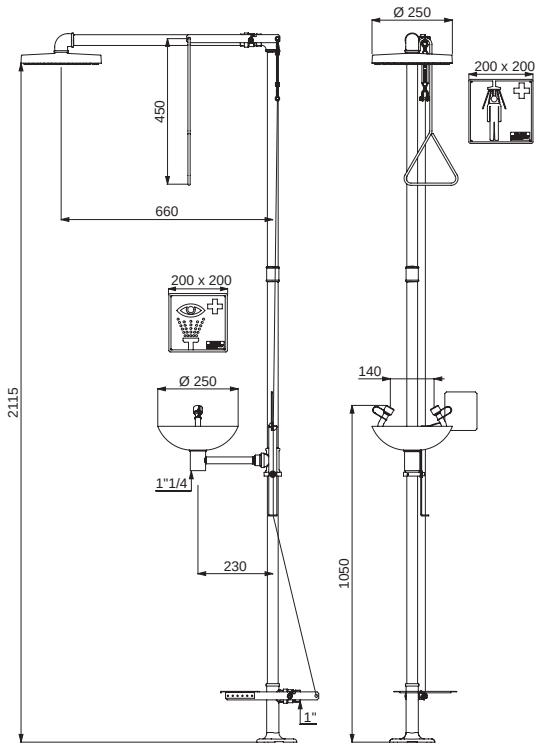
- **Frost-free system as standard.**
- 304 stainless steel basin Ø 250mm with green finish.
- Eye wash spray heads fitted with protective caps in shock-resistant, green ABS. Caps eject automatically when eye wash is activated.
- **Flow rate 20 lpm** at 3 bar dynamic pressure, aerators with stainless steel double filters.
- Circular shower head Ø 250mm in green, shock-resistant ABS.
- **Flow rate 96 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".
- 30-year warranty.

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 pages 144 - 145)*	

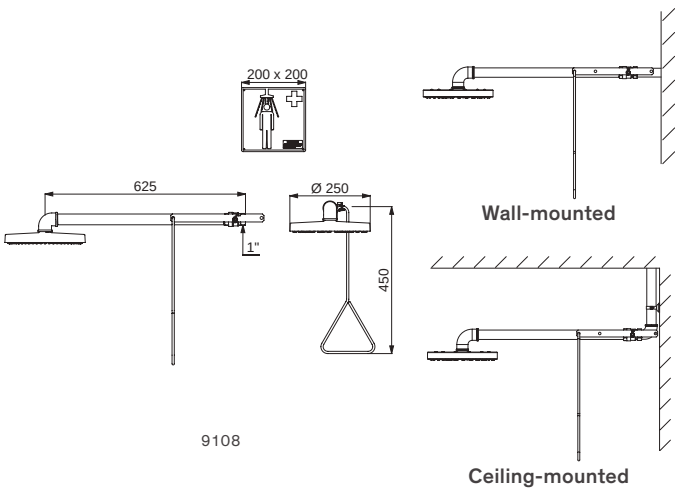
SAFETY CONTROLS

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 132 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).
- 30-year warranty.



9108

Wall-mounted safety shower	9108

We recommend installing a TMV *(see pages 144 - 145)*

Eye wash station

Manual and pedal control



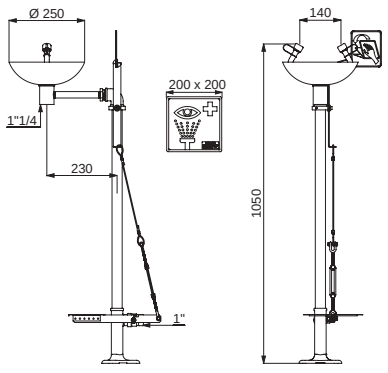
- Eye wash station fitted with **frost-free system as standard.**
- Green powder-coated 304 stainless steel basin Ø 250mm.
- Eye wash spray heads fitted with protective caps in green ABS; will eject automatically when activated.
- ¼-turn, nickel-plated brass valves open and close quickly.
- 30-year warranty.

Operation:

- Model 9201: water flows when pedal or manual control is pushed.
- Model 9102: water flows when manual control is pushed.

The eye wash will continue to operate when the pedal or manual control is released.

- The water flow will stop when the manual control is pulled towards the user and the foot pedal is raised on the free-standing model.
- **Flow rate 20 lpm** at 3 bar dynamic pressure, aerators with stainless steel double filters.
- Pipes made from galvanised steel, powder-coated grey finish.
- Pedal and manual 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".



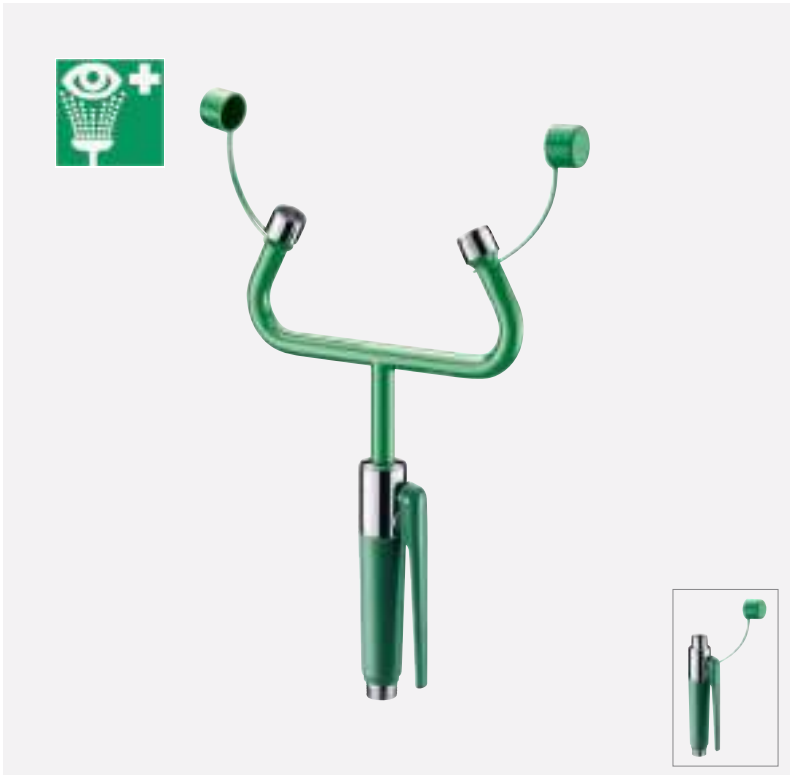
9201

Eye wash station	
Free-standing, water supply F1"	9201
Wall-mounted, water supply M½"	9102

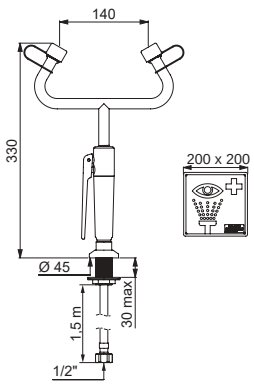
We recommend installing a TMV *(see pages 144 - 145)*

Trigger-operated eye wash - dual/single spray

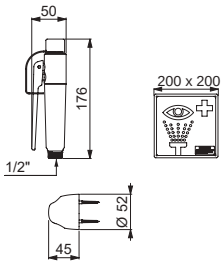
Trigger-operated



- 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.
- Aerators with stainless steel double filters.
- Ergonomic grip and trigger in green polypropylene.
- Supplied with identification sign for first aid equipment: "Safety Eye Wash".
- 30-year warranty.



9141



9120C

Trigger-operated eye wash - dual spray - 9 lpm flow rate	
Wall-mounted with flexible and support L. 1.50m 15 × 100 ½"	**9121**
Deck-mounted, flexible L. 1.50m 15 × 100 ½"	**9141**
Trigger-operated eye wash - single spray - 6 lpm flow rate	
Wall-mounted with flexible and support L. 1.50m 15 × 100 ½"	**9120C**
Deck-mounted, flexible L. 1.50m 15 × 100 ½"	**9140C**

We recommend installing a TMV *(see pages 144 - 145)*

Related products



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.



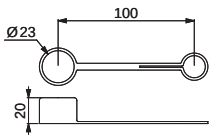
A22D75

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

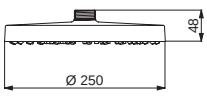
Protective caps	**91AA75**

Additional product



Shower head

- Circular shower head Ø 250mm M1".
- Green, shock-resistant ABS.
- Flow rate 132 lpm at 3 bar dynamic pressure.
- Water supply F1".
- 30-year warranty.



9225

Shower head	**9225**

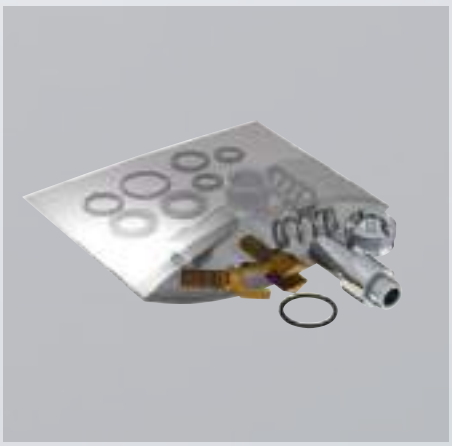










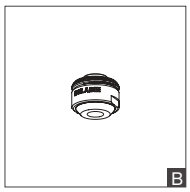
Spare parts
Certification
Reference index

SPARE PARTS
202

CERTIFICATION
206

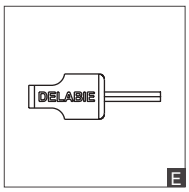
REFERENCE INDEX
214


A


B


C

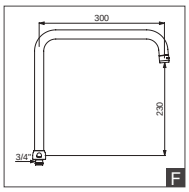

D



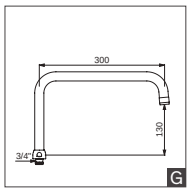
E

BIOSAFE OUTLETS, FLOW STRAIGHTENERS

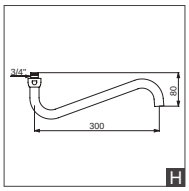
BIOSAFE outlets free flow with no grids or partitions in contact with water (with brass collar)		
F22×100 *(1 piece)* for taps/mixers 25061T1, 2506T1 & H9726 (5 lpm max.)	**923022**	-
F22×100 *(50 pieces)* for taps/mixers 25061T1, 2506T1 & H9726 (5 lpm max.)	**923022.50P**	-
M24×100 *(1 piece)* for range 2520 (EP) (5 lpm max.)	**923024**	A
M24×100 *(50 pieces)* for range 2520 (EP) (5 lpm max.)	**923024.50P**	A
M24×100 *(1 piece)* for range 2620 (EP) (5 lpm max.)	**926024**	-
M24×100 *(1 piece)* for range 2640/2641 (5 lpm max.), 2564 & 2565, 2720 & 2820	**922640**	B
M16.5×100 *(1 piece)* for range 2920, 2664 & 2665 (5 lpm max.) (without brass collar)	**922660**	-
Hygienic flow straightener star-shaped without grid, reduces bacterial development (with brass collar)		
F22×100 *(2 pieces)*	**921022.2P**	-
F22×100 *(50 pieces)*	**921022.50P**	-
M24×100 *(2 pieces)*	**921024.2P**	C
M24×100 *(50 pieces)*	**921024.50P**	C
Flow straighteners at 3 lpm flow rate can be adjusted using 2.5mm Allen key (with brass collar)		
F22×100 with adjustable flow rate *(2 pieces)*	**922022.2P**	D
M24×100 with adjustable flow rate *(2 pieces)*	**922024.2P**	-
Key for adjustment (2.5mm Allen key)	**C282025**	E
Removal tool for flow straighteners	**222429**	-
Non-return valves		
For ⅜" connection	**900010**	-



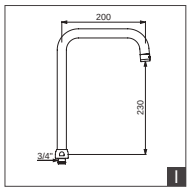
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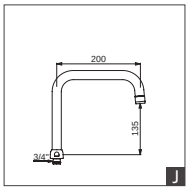
G



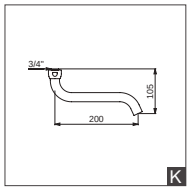
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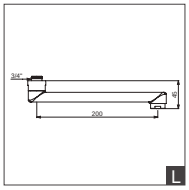
I



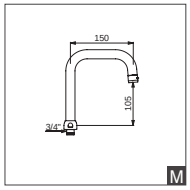
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K



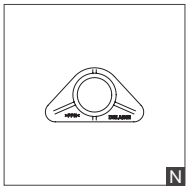
L

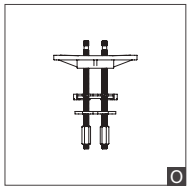


M

SPOUTS

Spouts L. 300mm		
Over spout Ø 22mm, H. 230mm		
with nut ¾", flow straightener inserted	**963300245F**	F
Over spout Ø 22mm, H. 130mm		
with nut ¾", flow straightener inserted	**963300145F**	G
Under spout Ø 22mm, H. 80mm		
with nut ¾" and flow straightener, not threaded	**943300110**	H
Spouts L. 200mm		
Over spout Ø 22mm, H. 230mm		
with nut ¾", flow straightener set at 3 lpm (can be adjusted by 2.5mm Allen key)	**963200245F**	I
Over spout Ø 22mm, H. 135mm		
with nut ¾", flow straightener inserted	**963200145F**	J
Under spout Ø 22mm, H. 105mm		
with nut ¾" and flow straightener, not threaded, for mixer 2519	**943200100M**	K
Swivelling under spout H. 45mm		
with nut ¾", flow straightener inserted for 2436 & 2445 mixers	**943200**	-
Fixed under spout H. 45mm		
with nut ¾", flow straightener inserted for 2437 & 2455 mixers	**947200**	L
Spouts L. 150mm		
Over spout Ø 22mm, H. 105mm		
with nut ¾", flow straightener set at 3 lpm (can be adjusted by 2.5mm Allen key)	**963150125F**	M
Over spout Ø 22mm, H. 100mm		
with nut ¾" and BIOSAFE outlet	**963150923F**	-
Swivelling under spout H. 45mm		
with nut ¾", flow straightener inserted for 2446 mixers	**943150**	-
Fixed under spout H. 45mm		
with nut ¾", flow straightener inserted for 2456 mixers	**943151**	-


N


O

FIXINGS

Reinforced fixing kits for deck-mounted mixers/taps for sinks		
Fixing plate	**256P**	N
Fixing plate with threaded rods	**256FIX**	O

SOLENOID VALVES

For basin, shower & WC controls		
12V MM⅜" for TEMPOMATIC 1 & 2, BINOPTIC and TEMPOMATIC basin	**495612**	**A**
12V MM1" for TEMPOMATIC WC valves except 463326	**461035**	**-**
6V for TEMPOMATIC 3 basin *(old design)*	**479651**	**B**
6V for TEMPOMATIC 3 basin *(after May 2023)*	**479650**	**B**
6V for TEMPOMATIC 4 basin *(with adjustable flow rate)*	**479650**	**B**
6V MM⅜" for TEMPOMATIC 1 & 2, BINOPTIC	**495606**	**-**
Electronic unit and start-up module for TEMPOMATIC WC dual control	**763MODEV**	**-**
12V F1"-F1¼" for WC with backflow prevention device and stopcock for TEMPOMATIC multifunction unit and TEMPOMATIC WC	**463SRH**	**-**

ELECTRONIC CONTROL UNITS

For basin, shower & WC controls		
230/12V standard with "duty flush" option, with transformer for basins	**495444BC**	**C**
230/12V multifunction with transformer for basins, showers, etc.	**495445BC**	**C**
6V battery-operated for basins	**495446BC**	**C**
6V with integrated battery for TEMPOMATIC 3 basins	**492446**	**D**
6V with integrated batteries for TEMPOMATIC 4 basins	**490454**	**E**
6V for TEMPOMATIC 4 basins, mains supply	**490452T**	**E**
230/12V multifunction with transformer for dual flush type 463...	**463000**	**F**

ELECTRICAL SUPPLY CABLES

For TEMPOMATIC 4 basin controls with mains supply		
6V recessed supply	**490240**	**G**
Extension	**490230EXT**	**-**

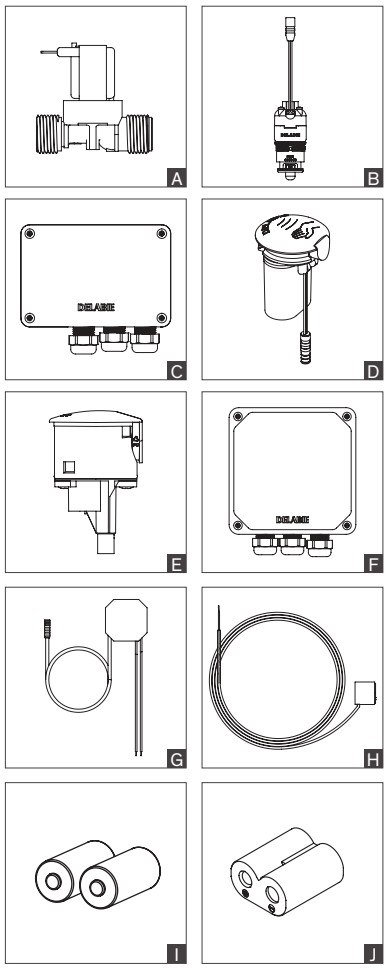
SENSORS

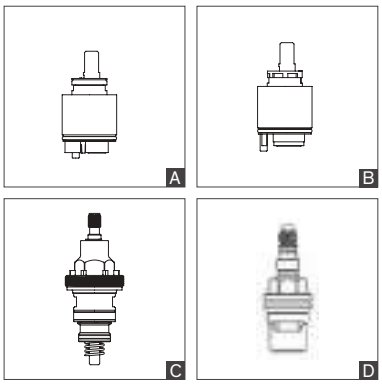
For basin, shower & WC controls		
With cable 0.70m	**495070**	**H**
With cable 1.50m	**495149**	**H**
For basins: BINOPTIC and TEMPOMATIC 2, cable 0.70m	**CEL378V**	**-**
For basins: BINOPTIC and TEMPOMATIC 2, cable 1.50m	**CEL378150V**	**-**

NB: cable cannot be extended or cut.

BATTERIES

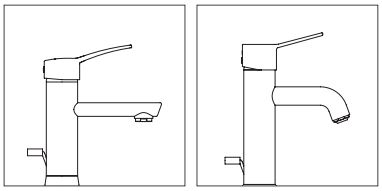
For basin, shower & WC controls		
2 × 3V Lithium batteries CR123 17345	**990123**	**I**
1 × 6V Lithium battery 223 CR - P2	**990223**	**J**





New and old design

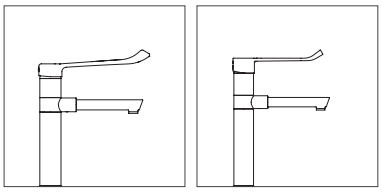
2720/2820 range



2720, 2820
Old design

2720, 2820
New design

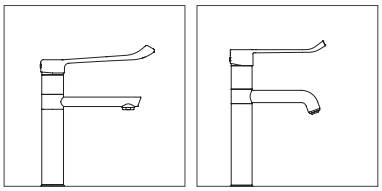
2870/2871 range



2870, 2871
Old design

2870, 2871
New design

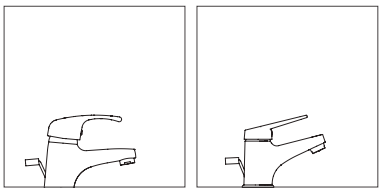
2564/2565 range



2564, 2565
Old design

2564, 2565
New design

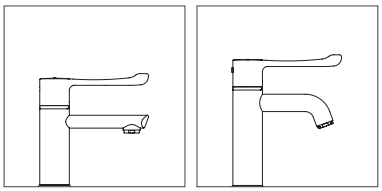
2220/2221 range



2220, 2221
Old design

2220, 2221
New design

H9600/H9605 range



H9600/H9605
Old design

H9600/H9605
New design

BASINS - SINKS AND SHOWERS

Mixers with ceramic cartridges

	Maintenance kit	Complete cartridge	Type
Ø 40mm cartridges			
Standard cartridges			
With base, with flow rate limiter			
2206, 2406, 2420, 2421, 2445, 2446, 2452, 2455, 2456, 2520, 2521, 20121, 20421 2720, 2721 (up to 12/2022), 2820, 2821 (up to 05/2023) 2539, 2739 (up to 10/2016) 2220, 2221 (up to 12/2019), 2565 (up to 10/2020)	-	**N009AG75**	**A**
With base, without flow rate limiter			
2211, 2211L (from 12/2017) 2239, 2252S, 2439, 2538, 2539, 2739	-	**N109AG75**	**-**
Without base, with flow rate limiter			
20164T1, 20164T4, 20464T1, 20464T4, 20870T1, 20870T3, 20871T1, 20871T3	**753256**	**N201AG75**	**-**
Without base, without flow rate limiter			
2519, 2543, 2597 2211, 2211L, 2599 (up to 12/2017), 2510 (up to 09/23)	-	**N148AA75**	**-**
Without base, with flow rate limiter			
2246, 2410, 2443, 2561C, 2562C, 2569, 2595	-	**N248AA75**	**-**
2564 (up to 10/2020), 2522 2870 (up to 10/2021)	**753256**	**N248AA75**	**-**
Without base, with 9 lpm flow rate limiter			
2210, 2510	**753256**	**N249AA75**	**-**
Ø 35mm cartridges			
Standard cartridge with base			
2506T2, 2506T3, 2542, 2599 2564Tx, 2565Tx (from 10/2020), 2870/2871 (from 10/2021)	-	**NS262**	**-**
2620, 2621, 2620MINI, 2621MINI	-	**NSB262**	**-**
2220, 2220L, 2221, 2221L (from 01/2020) 2506T1, 25061T1 2720, 2721 (from 12/2022), 2820, 2821 (from 05/2023)	-	**N222**	**-**
Standard sequential cartridge with base			
2437, 2437S	-	**N243I**	**-**
2436, 2436S	-	**N243**	**-**
2640, 2640S, 2641, 2641S	-	**N264**	**-**

Mixers with pressure-balancing ceramic cartridges

Ø 40mm cartridges with base			
2211EP, 2211LEP, 2239EP, 2439EP, 2445EP, 2445LEP, 2446EP, 2446LEP, 2455EP, 2455LEP, 2456EP, 2456LEP, 2520EP, 2521EP, 2539EP, 2739EP, 2739TEP 2720EP, 2721EP (up to 12/2022), 2820EP/2821EP (up to 05/2023) 2565TxEP (up to 10/2020)	-	**N252**	**B**
Ø 35mm cartridges with base			
2542EP, 2599EP, 2620EP, 2621EP, 2620MINIEP, 2621MINIEP, 2564TxEP, 2565TxEP, 2870TxEP, 2871TxEP (from 10/2020), 2720/2721EP (from 12/2022), 2820/2821EP (from 05/2023)	-	**N262**	**-**

Mixers with thermostatic cartridges

Sequential thermostatic cartridges			
H9610, H9610S, H9611, H9611P, H9611S, H9614P, H9615	-	**N961**	**-**
H9600, H9605, H9612, H9613, H9620, H9625, H9642	-	**N960**	**-**
H9631, H9631L, H9633, H9633L	-	**N962**	**-**
9630, H9630, H963015, H9630S, H9632, H9634, H9635, H9636, H963615, H9637, H9638, H963915, H9640, H964015, H9640S, H964115	-	**N963**	**-**
Thermostatic cartridges			
H9739 & H9739S	-	**N97L**	**-**
H9741, H9741TP & H9752P	-	**N97LR**	**C**
H9716 & H9726	-	**N9726**	**-**
9768, 9769, H9768, H9768S, H9768TP, H9769 & H9769S	-	**N9769**	**-**
792400, 792410, 792...	-	**743792**	**-**
½" ceramic head, ¼-turn			
9741, H9716, H9726, H9739, H9752S	-	**9741TET**	**D**

BASINS - SINKS AND SHOWERS

Non-manual controls

	Maintenance kit	Complete cartridge	Type
TEMPOGENOU 734100, 735100, 735000, 735400, 73544715	-	**743305**	**A**

CISTERN-LESS WCs

Cartridges

	Maintenance kit	Complete cartridge	Type
For TEMPOFLUX 2			
762901, 762902, 769150, 576211, 578300, 578305	-	**743622**	**B**
576227, 578400, 578405	-	**743677**	-
For TEMPOFLUX 3 (cartridge + start-up module)			
763000, 763040, 763041	-	**763MODEC**	-

BED PAN CLEANERS

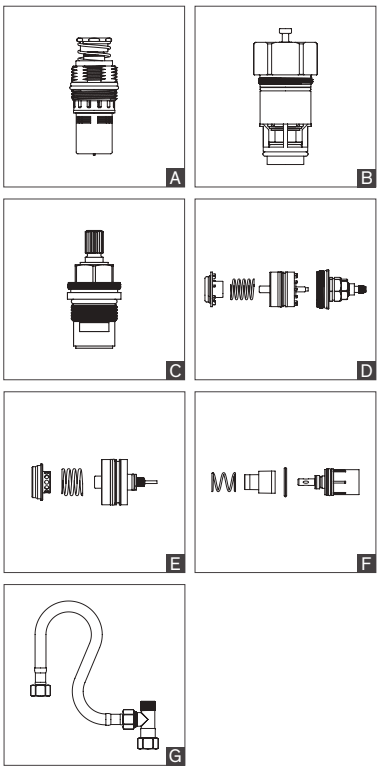
½" Ceramic head, ¼-turn right			
158100, 2591, 2592, 2594	-	**P482AJ75**	**C**

GROUP THERMOSTATIC MIXING VALVES

	Maintenance kit	Repair kit	Type
For PREMIX COMPACT			
733015, 733016, 733020, 733021 *(old design)*	**753733**	-	**F**
For PREMIX NANO			
Connection kit ⅜" for 732216	**732515**	-	**G**
For PREMIX COMFORT after June 2008			
731002, 731200, 731003, 731300	**753730**	-	**D**
731004, 731400, 731005, 731500	**753735**	-	**E**

SOAP DISPENSERS

	Maintenance kit	Repair kit	Type
SOAP DISPENSERS			
729008, 729108, 729508	**729308**	**729302**	-
729012, 729112, 729512	**729312**	**729302**	-
729150, 729200	**729303**	**729302**	-



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 Byelaws.
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, administered by NSF International, certifies that TMV3-designated thermostatic mixing valves (TMVs) comply with performance requirements of D08 for valves used in high-risk areas of healthcare premises. The Department of Health's HTM 04-01 specifies that Type 3 valves must comply with D08 requirements.

TMV2-designated thermostatic mixing valves are compliant with BS EN 1111 (high pressure) and/or 1287:1999 (low pressure), as required by UK Building Regulations Part G to reduce the risk of scalding in domestic or other domestic type situations.

Reference	Product	WRAS Certificate	Expiry Date	TMV 3 NSF Certificate	Expiry Date	Page
20002	2 × BIOCLIP stainless steel spouts L129mm Ø28	WRAS2311057	30/11/2028	-	-	70/89
20040	BIOFIL 2M sterile filter spout	WRAS250402014	30/04/2030	-	-	25/89
20250	BIOFIL 2M sterile tap filter, shower flow	WRAS2106051	30/06/2026	-	-	23
20251	BIOFIL 2M sterile tap filter, straight flow	WRAS2106051	30/06/2026	-	-	23
20261	BIOFIL 2M sterile screw-in shower filter	WRAS2106051	30/06/2026	-	-	24
20350	BIOFIL 3M sterile tap filter, shower flow	WRAS2106052	30/06/2026	-	-	23
20351	BIOFIL 3M sterile tap filter, straight flow	WRAS2106052	30/06/2026	-	-	23
20361	BIOFIL 3M sterile screw-in shower filter	WRAS2106052	30/06/2026	-	-	24
20450	BIOFIL 4M sterile tap filter, shower flow	WRAS2106052	30/06/2026	-	-	23
20451	BIOFIL 4M sterile tap filter, straight flow	WRAS2106052	30/06/2026	-	-	23
20461	BIOFIL 4M sterile screw-in shower filter	WRAS2106052	30/06/2026	-	-	24
2436	Wall mtd sequential mech mixer, swivel spout L.200, SC unions	Renewal		-	-	91
2445	Wall mtd mech Secur sink mix swiv spout L200, sculpt lever,SC	WRAS240902056	30/09/2029	-	-	92
2445EP	Wall mtd EP Secur sink mix swiv spout L200, sculpt lever SC	WRAS240902056	30/09/2029	-	-	92
2445EPS	Wall mtd EP Secur sink mix swiv spout L200, sculpt lever, std	WRAS240902056	30/09/2029	-	-	92
2445L	Wall mtd mech Secur sink mixer swiv spout L200mm Hyg lever,SC	WRAS240902056	30/09/2029	-	-	92
2445LEP	Wall mtd EP Securitouch mixer swivel spout L200 Hyg lever,SC	WRAS240902056	30/09/2029	-	-	92
2445LEPS	Wall mtd sink EP Secur mixer swiv spout L200mm, Hyg lever,std	WRAS240902056	30/09/2029	-	-	92
2445LS	Wall mtd mech Secur sink mixer swiv spout L200,Hyg lever, std	WRAS240902056	30/09/2029	-	-	92
2445S	Wall mtd mech Secur mixer swiv spout L200, sculpt lever, std	WRAS240902056	30/09/2029	-	-	92
2446	Wall mtd mech Secur sink mix swiv spout L150, sculpt lever,SC	WRAS2101700	31/01/2026	-	-	92
2446EP	Wall mtd EP Secur sink mix swiv spout L150, sculpt lever SC	WRAS240202039	28/02/2028	-	-	92
2446EPS	Wall mtd EP Secur sink mix swiv spout L150, sculpt lever, std	WRAS240202039	28/02/2028	-	-	92
2446L	Wall mtd mech Secur sink mixer swiv spout L150mm Hyg lever,SC	WRAS2101700	31/01/2026	-	-	92
2446LEP	Wall mtd EP Securitouch mixer swivel spout L150 Hyg lever,SC	WRAS240202039	28/02/2028	-	-	92
2446LEPS	Wall mtd sink EP Secur mixer swiv spout L150mm, Hyg lever,std	WRAS240202039	28/02/2028	-	-	92
2446LEPUK	EP sink mixer c-c 150, fixed spout L150, Hyg L., inline S/C	WRAS250102036	31/01/2030	-	-	92
2447LEPUK	EP sink mixer c-c 200, fixed spout L150, Hyg L., inline S/C	WRAS250102036	31/01/2030	-	-	92
2447LUK	Mech sink mixer c-c 200, fixed spout L150, Hyg L., in-L S/C	WRAS250102036	31/01/2030	-	-	92
2541	Waterproof recessed shower mixer, kit 2/2 (+254BOX)	WRAS2211049	30/11/2027	-	-	132
2541EP	Waterproof recessed EP shower mixer, kit 2/2 (+254BOX)	WRAS2211049	30/11/2027	-	-	132
254BOX	Waterproof recessed housing for mech shower no elbow kit 1/2	WRAS2211049	30/11/2027	-	-	132
254CBOX	Waterproof recessed housing for mech shower w elbow kit 1/2	WRAS2211049	30/11/2027	-	-	132
2551	Waterproof rec shower mixer with elbow kit 2/2 (+254CBOX)	WRAS2211049	30/11/2027	-	-	132
2551EP	Waterproof rec EP shower mixer with elbow kit 2/2 (+254CBOX)	WRAS2211049	30/11/2027	-	-	132
2564T1	Mech basin mixer high swivel spout H.165 L.140 Hygiene lever	WRAS2211049	30/11/2027	-	-	57
2564T1EP	EP basin mixer high swivel spout H.165 L.140, Hygiene lever	WRAS2211049	30/11/2027	-	-	57
2564T2	Mech basin mixer high swivel spout H.165 L.220 Hygiene lever	WRAS2211049	30/11/2027	-	-	57
2564T2EP	EP basin mixer high swivel spout H.165 L.220, Hygiene lever	WRAS2211049	30/11/2027	-	-	57
2564T3	Mech basin mixer high swivel spout H.305 L.140 Hygiene lever	WRAS2211049	30/11/2027	-	-	71
2564T3EP	EP basin mixer with high swivel spout H.305 L.140 Hyg lever	WRAS2211049	30/11/2027	-	-	71
2564T4	Mech basin mixer high swivel spout H.305 L.220 Hygiene lever	WRAS2211049	30/11/2027	-	-	71
2564T4EP	EP basin mixer with high swivel spout H.305 L.220, Hyg lever	WRAS2211049	30/11/2027	-	-	71
2564T5	Mech basin mixer high swivel spout H.205 L.170 Hygiene lever	WRAS2211049	30/11/2027	-	-	57
2564T5EP	EP basin mixer high swivel spout H.205 L.170, Hygiene lever	WRAS2211049	30/11/2027	-	-	57
2565T1	Mechanical basin mixer high fixed spout H160 L140, Hyg lever	WRAS2109034	30/09/2026	-	-	57

Reference	Product	WRAS Certificate	Expiry Date	TMV 3 NSF Certificate	Expiry Date	Page
2565T1EP	EP basin mixer high fixed spout H.160 L.140 Hygiene lever	WRAS2109034	30/09/2026	-	-	57
2565T3	Mech basin mixer high fixed spout H.305 L.140, Hygiene lever	WRAS2109034	30/09/2026	-	-	71
2565T3	Mech basin mixer high fixed spout H.305 L.140, Hygiene lever	WRAS2109034	30/09/2026	-	-	71
2565T3EP	EP basin mixer high fixed spout H.305 L.140 Hygiene lever	WRAS2109034	30/09/2026	-	-	71
2565T3EP	EP basin mixer high fixed spout H.305 L.140 Hygiene lever	WRAS2109034	30/09/2026	-	-	71
2565T5	Mechanical basin mixer high fixed spout H200 L170 Hyg lever	WRAS2109034	30/09/2026	-	-	57
2565T5EP	EP basin mixer high fixed spout H.200 L.170, Hygiene lever	WRAS2109034	30/09/2026	-	-	57
2611EP	Wall-mtd EP mixer +2 brass BIOCLIP spouts L120 S/C c-c 150	WRAS250102040	31/01/2030	-	-	90
2614EP	Wall-mtd EP mixer +2 brass BIOCLIP spouts L120 S/C c-c 200	WRAS250102040	31/01/2030	-	-	90
2621	BIOSAFE mechanical basin mixer H95 no waste, solid lever	WRAS2307053	31/07/2028	-	-	49
26216	BIOSAFE mech basin mixer H95mm no waste, solid lever, copper	WRAS2307053	31/07/2028	-	-	49
26216EP	BIOSAFE EP basin mixer H95mm no waste, solid lever, copper	WRAS2305031	31/05/2028	-	-	49
26216MINI	BIOSAFE mech basin mixer H.50 no waste, solid lever, copper	WRAS2307053	31/07/2028	-	-	-
26216MINIEP	BIOSAFE EP basin mixer H50mm no waste, solid lever, copper	WRAS2305031	31/05/2028	-	-	-
2621EP	BIOSAFE EP basin mixer H95 no waste, solid lever	WRAS2305031	31/05/2028	-	-	49
2621MINI	BIOSAFE mech basin mixer H50mm no waste, solid lever	WRAS2307053	31/07/2028	-	-	49
2621MINIEP	BIOSAFE EP basin mixer H50mm no waste, solid lever	WRAS2305031	31/05/2028	-	-	49
2665T1	Sequential mechanical mixer fixed spout H160 L160 Hyg lever	WRAS241002075	31/10/2029	-	-	55
2665T3	Sequential mechanical mixer fixed spout H300 L160 Hyg lever	WRAS241002075	31/10/2029	-	-	72
2665T5	Sequential mechanical mixer fixed spout H200 L200 Hyg lever	WRAS241002075	31/10/2029	-	-	55
2720L	Mechanical basin mixer H.95mm L.120mm + waste, Hygiene lever	WRAS2104704	31/04/2026	-	-	43
2720LEP	EP basin mixer H.95mm L.120mm + waste, Hygiene lever	WRAS2104703	31/04/2026	-	-	43
2720T	Mechanical basin mixer H.95mm L.120mm + waste, solid lever	WRAS2104704	31/04/2026	-	-	43
2720TEP	EP basin mixer H.95mm L.120mm + waste, solid lever	WRAS2104703	31/04/2026	-	-	43
27216L	Mech basin mixer H95 L120, no waste, Hygiene lever, copper	WRAS240202048	28/02/2029	-	-	43
27216LEP	EP basin mixer H95mm L120mm, no waste, Hygiene lever, copper	WRAS240202048	28/02/2029	-	-	43
2739	Securitouch mechanical shower mixer, sculptured lever, SC	WRAS250102035	31/01/2030	-	-	129
2739EP	SECURITHERM EP shower mixer, sculptured lever, SC unions	WRAS250102035	31/01/2030	-	-	129
2739EPS	SECURITHERM EP shower mixer, sculptured lever, offset std	WRAS250102035	31/01/2030	-	-	129
2739S	Securitouch mechanical shower mixer, sculptured lever, std	WRAS250102035	31/01/2030	-	-	129
2739T	Securitouch mechanical shower mixer, solid lever, SC unions	WRAS250102035	31/01/2030	-	-	129
2739TEP	SECURITHERM EP shower mixer, solid lever, SC unions	WRAS250102035	31/01/2030	-	-	129
2739TEPS	SECURITHERM EP shower mixer, solid lever, standard unions	WRAS250102035	31/01/2030	-	-	129
2739TS	Securitouch mechanical shower mixer, solid lever, std unions	WRAS250102035	31/01/2030	-	-	129
2820L	BIOCLIP mechanical basin mixer H95 L120 waste Hygiene lever	WRAS2104704	31/04/2026	-	-	41
2820LEP	BIOCLIP EP basin mixer H95mm L120mm, waste, Hygiene lever	WRAS2104703	31/04/2026	-	-	41
2820T	BIOCLIP mech basin mixer H95mm L120mm waste, solid lever	WRAS2104704	31/04/2026	-	-	41
2820TEP	BIOCLIP EP basin mixer H95mm L120mm, waste, solid lever	WRAS2104703	31/04/2026	-	-	41
28216L	BIOCLIP mech basin mix H95 L120, no waste, Hyg lever, copper	WRAS240202048	28/02/2029	-	-	41
28216LEP	BIOCLIP EP basin mix H95 L120, no waste, Hyg lever, copper	WRAS240202048	28/02/2029	-	-	41
2920L	Mechanical basin mixer H.100 L.110 with waste, Hygiene lever	WRAS241002049	31/10/2029	-	-	47
2920LEP	EP basin mixer H.100mm L.110mm with waste, Hygiene lever	WRAS241002049	31/10/2029	-	-	47
2920T	Mech basin mixer H.100 L.110, with pop-up waste, solid lever	WRAS241002049	31/10/2029	-	-	47
2920TEP	EP basin mixer H.100 L.110, with pop-up waste, solid lever	WRAS241002049	31/10/2029	-	-	47
2921L	Mech basin mixer H.100 L.110, no pop-up waste, Hygiene lever	WRAS241002049	31/10/2029	-	-	47
2921LEP	EP basin mixer H.100 L.110, no pop-up waste, Hygiene lever	WRAS241002049	31/10/2029	-	-	47
2921T	Mech basin mixer H.100 L.110, no pop-up waste, solid lever	WRAS241002049	31/10/2029	-	-	47
2921TEP	EP basin mixer H.100mm L.110mm, no pop-up waste, solid lever	WRAS241002049	31/10/2029	-	-	47
30250	BIOFIL 2M non-sterile tap filter, shower flow	WRAS2106051	30/06/2026	-	-	23
30251	BIOFIL 2M non-sterile tap filter, straight flow	WRAS2106051	30/06/2026	-	-	23
30261	BIOFIL 2M non-sterile screw-in shower filter	WRAS2106051	30/06/2026	-	-	24
30350	BIOFIL 3M non-sterile tap filter, shower flow	WRAS2106052	30/06/2026	-	-	23
30351	BIOFIL 3M non-sterile tap filter, straight flow	WRAS2106052	30/06/2026	-	-	23
30361	BIOFIL 3M non-sterile screw-in shower filter	WRAS2106052	30/06/2026	-	-	24
30450	BIOFIL 4M non-sterile tap filter, shower flow	WRAS2106052	30/06/2026	-	-	23
30451	BIOFIL 4M non-sterile tap filter, straight flow	WRAS2106052	30/06/2026	-	-	23
30461	BIOFIL 4M non-sterile screw-in shower filter	WRAS2106052	30/06/2026	-	-	24
311QU1	Swan neck fountain tap M3/8"	WRAS250102001	31/01/2030	-	-	187
312QU1	Bubbler tap chromed M3/8" for fountain	WRAS250102001	31/01/2030	-	-	187

Reference	Product	WRAS Certificate	Expiry Date	TMV 3 NSF Certificate	Expiry Date	Page
37801515	BINOPTIC basin tap Ø15 for comp. fitting 230/12V + trans	WRAS250302024	31/03/2030	-	-	31
378MCH15	BINOPTIC MIX basin mixer Ø15 for CF mains 230/12V + trans	WRAS250302024	31/03/2030	-	-	31
379D1315	BINOPTIC c-w 190 basin tap Ø15 for CF spout L135 mains +trans	WRAS241102047	30/11/2029	-	-	87
379DER15	BINOPTIC c-w 190 basin tap Ø15 for CF spout L205 mains +trans	WRAS241102047	30/11/2029	-	-	87
379ENC15	BINOPTIC rec basin tap Ø15 for CF spout L200 mains + trans	WRAS241102047	30/11/2029	-	-	87
379MCH15	BINOPTIC MIX c-wall 110 basin mix Ø15 for CF mains + trans	WRAS241102047	30/11/2029	-	-	87
38801515	BINOPTIC basin tap Ø15 for CF H.170mm 230/12V mains supply	WRAS250302024	31/03/2030	-	-	65
388MCHLH15	BINOPTIC MIX basin Ø15 for CF H.170mm mixer 230/12V mains	WRAS250302024	31/03/2030	-	-	65
39801515	BINOPTIC basin Ø15 for CF H.250mm tap 230/12V mains supply	WRAS250302024	31/03/2030	-	-	65
398MCHLH15	BINOPTIC MIX basin Ø15 for CF H.250mm mixer 230/12V mains	WRAS250302024	31/03/2030	-	-	65
440006	TEMPOMATIC 4 basin tap F3/8" int. 6V batteries + stopcock	WRAS2303051	31/03/2028	-	-	34
44000615	TEMPOMATIC 4 basin tap M1/2" 6V batteries 15mm + stopcock	WRAS2303051	31/03/2028	-	-	34
443406	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L.130	WRAS2204045	31/04/2027	-	-	85
443506	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L190	WRAS2204045	31/04/2027	-	-	85
44900015	TEMPOMATIC 5 basin tap M1/2" rec mains supply Ø15 +stopcock	WRAS240202041	28/02/2029	-	-	35
44900615	TEMPOMATIC 5 basin tap M1/2" 6V batteries 15mm + stopcock	WRAS240202041	28/02/2029	-	-	35
464000	TEMPOMATIC WC dual control recessed st steel 230/6V kit 2/2	WRAS2112033	31/12/2026	-	-	156
464006	TEMPOMATIC WC dual control recessed st steel 6V bat. kit 2/2	WRAS2112033	31/12/2026	-	-	156
464PBOX	TEMPOMATIC WC 3/4" recessed flush valve 6V batt. kit 1/2	WRAS2112033	31/12/2026	-	-	156
464SBOX	TEMPOMATIC WC 3/4" recessed flush valve 230/6V kit 1/2	WRAS2112033	31/12/2026	-	-	156
48801515	BINOPTIC basin Ø15 for CF tap H.170mm 6V battery operated	WRAS250302024	31/03/2030	-	-	65
488MCHLH15	BINOPTIC MIX Ø15 for CF mixer H.170mm 6V battery operated	WRAS250302024	31/03/2030	-	-	65
49000115	TEMPOMATIC MIX 4 basin M1/2" rec UK mains plug Ø15 stopcocks	WRAS2303051	31/03/2028	-	-	34
490006	TEMPOMATIC MIX 4 basin mixer F3/8" 6V batteries + stopcocks	WRAS2303051	31/03/2028	-	-	34
49000615	TEMPOMATIC MIX 4 basin mix M1/2" batteries 15mm + stopcocks	WRAS2303051	31/03/2028	-	-	34
49801515	BINOPTIC basin Ø15 for CF tap H.250mm 6V battery operated	WRAS250302024	31/03/2030	-	-	65
498MCHLH15	BINOPTIC MIX Ø15 for CF mixer H.250mm 6V battery operated	WRAS250302024	31/03/2030	-	-	65
49900015	TEMPOMATIC MIX 5 basin M1/2" rec mains supply Ø15 stopcocks	WRAS240202041	28/02/2029	-	-	35
49900615	TEMPOMATIC MIX 5 basin mix M1/2" batteries 15mm + stopcocks	WRAS240202041	28/02/2029	-	-	35
709000	Recessed vandal proof ROUND shower head M1/2"	WRAS240702017	31/07/2029	-	-	133
712000	TONIC JET vandal proof recessed shower head M1/2"	WRAS240702017	31/07/2029	-	-	133
732115	PREMIX NANO thermostatic mixer Ø15mm nickel body WF	Renewal	-	Renewal	-	103
732116	PREMIX NANO thermostatic mixer Ø15mm chromed body WF	Renewal	-	Renewal	-	103
733115	PREMIX COMPACT thermostatic mixer M1/2" Ø15mm rough body WF	WRAS2304040	30/04/2028	Ongoing	-	103
733116	PREMIX COMPACT thermostatic mixer M3/4" Ø15mm rough body WF	WRAS2304040	30/04/2028	Ongoing	-	103
734100	TEMPOGENOU angled MM1/2" lever L350 ~7sec	WRAS240802002	31/08/2029	-	-	102
735400	TEMPOGENOU inline MM1/2" lever L350 ~7sec	WRAS240802002	31/08/2029	-	-	102
735447	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp. fittings	WRAS240802002	31/08/2029	-	-	-
73544715	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp fit + olives	WRAS240802002	31/08/2029	-	-	102
763000	TEMPOFLUX 3 WC F3/4" recessed AB, satin, 3L/6L, kit 2/2	WRAS2303056	31/03/2028	-	-	163
763040	TEMPOFLUX 3 WC recessed AB, chromed, 3L/6L, kit 2/2	WRAS2303056	31/03/2028	-	-	163
763BOX	TEMPOFLUX 3 WC 3/4" valve recessed AB, 3L/6L, kit 1/2	WRAS2303056	31/03/2028	-	-	163
792770T	SECURITHERM TMV3 therm shower with filters for panels 1-7mm	WRAS2203702	31/03/2027	Renewal	-	-
808B.25P	25 × blue disposable shower kits L.0.85m	WRAS2207910	31/07/2027	-	-	136
808Y.25P	25 × yellow disposable shower kits L.0.85m	WRAS2207910	31/07/2027	-	-	136
809B.25P	25 × blue disposable shower kits L.1.50m	WRAS2207910	31/07/2027	-	-	136
809Y.25P	25 × yellow disposable shower kits L.1.50m	WRAS2207910	31/07/2027	-	-	136
820122N	Push-fit union F22/100 for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
820123	Push-fit union M1/2'' for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
820124N	Push-fit union M24/100 for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
820125	Push-fit union M24×125 for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
820126N	Push-fit union M16.5×100 for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
821122	Anti-vandal union F22/100 for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
821123	Anti-vandal union M1/2" for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
821124	Anti-vandal union M24/100 for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
821125	Anti-vandal union M24/125 for BIOFIL tap filter	WRAS2204046	30/04/2027	-	-	23
855755.2P	2 × STOP/CHECK unions M1/2"-M3/4", offset 12mm	WRAS2012053	Renewal	-	-	140
855755UK.2P	2 × STOP/CHECK unions M1/2"-M3/4" inline	WRAS2012053	Renewal	-	-	140
941120	Wall mounted fixed L-shaped spout M1/2" L120 - H60 adj FS	WRAS2311057	30/11/2028	-	-	101
947120	Wall mounted fixed spout M1/2" L.110 H16 Ø32 adjustable FS	WRAS2311057	30/11/2028	-	-	101
947135	Wall mtd fixed spout M1/2" L120 H16 Ø32 adj FS + plate Ø60	WRAS2311057	30/11/2028	-	-	101

Reference	Product	WRAS Certificate	Expiry Date	TMV 3 NSF Certificate	Expiry Date	Page
947151	Fixed spout for walls 165mm M1/2" L120 Ø32 adjustable FS	WRAS2311057	30/11/2028	-	-	101
947157	Fixed spout for walls 165mm M1/2" L170 Ø32 adjustable FS	WRAS2311057	30/11/2028	-	-	101
947170	Wall mounted fixed spout M1/2" L160 H16 Ø32 adjustable FS	WRAS2311057	30/11/2028	-	-	101
9632SRV	Sub-assembly for thermostatic sequential mixer	WRAS240102064	31/01/2029	-	-	-
9639SRV	Single control thermostatic sequential mixer	WRAS240102064	31/01/2029	Ongoing	-	-
967152	Swivel swan neck spout M1/2" L150 H120 adj flow straightener	WRAS240202038	28/02/2029	-	-	101
967202	Swivel swan neck spout M1/2" L200 H200 adj flow straightener	WRAS240202038	28/02/2029	-	-	101
H9600	SECURITHERM therm sequential basin mixer H.95 L.120 no waste	WRAS240902011	30/09/2029	Ongoing	-	42
H960015	Therm seq basin mixer H.95 L.120, lever L.146, 15mm no waste	WRAS240902011	30/09/2029	Ongoing	-	42
H9600610	Therm seq basin mix H95 L120 lever L146 copper tail no waste	WRAS240902011	30/09/2029	Ongoing	-	42
H9605	SECURITHERM therm sequential BIOCLIP basin mixer H95 L120mm	WRAS240902011	30/09/2029	Ongoing	-	40
H960515	SECURITHERM seq BIOCLIP basin mixer H.95 L.120 L.146, 15mm	WRAS240902011	30/09/2029	Ongoing	-	40
H960515L	SECURITHERM seq BIOCLIP basin mixer H.95 L.120 L.100, 15mm	WRAS240902011	30/09/2029	Ongoing	-	40
H9605610	SECURITHERM seq BIOCLIP basin mix H95 L120 lever L146 copper	WRAS240902011	30/09/2029	Ongoing	-	40
H9605610L	SECURITHERM seq BIOCLIP basin mix H95 L120 lever L100 copper	WRAS240902011	30/09/2029	Ongoing	-	40
H9611P	SECURITHERM therm seq mix SS BIOCLIP spt inline SC c-c 150	WRAS240902012	30/09/2029	Ongoing	-	89
H9614P	SECURITHERM seq mixer st st BIOCLIP spout c-c 200 inline SC	WRAS240902012	30/09/2029	Ongoing	-	89
H9615	SECURITHERM therm seq mixer st steel BIOCLIP spout w columns	WRAS240902013	30/09/2029	Ongoing	-	89
H9630	SECURITHERM therm seq shower mix bottom outlet, offset SC	WRAS240902010	30/09/2029	Ongoing	-	110
H963015	SECURITHERM therm seq shower mixer btm outlet inline SC, 15mm	WRAS240902010	30/09/2029	Ongoing	-	110
H9631	SECURITHERM waterproof seq rec shower mix, kit 2/2 (+H96BOX)	WRAS240102064	31/01/2029	-	-	115
H9631L	SECURITHERM seq rec shower mix, Hyg lever kit 2/2 (+H96BOX)	WRAS240102064	31/01/2029	-	-	115
H9633	SECURITHERM rec waterprf shower mix + elbow, 2/2 (+H96CBOX)	WRAS240102064	31/01/2029	-	-	115
H9633L	SECURITHERM rec shower mix + elbow, Hyg lever 2/2 (+H96CBOX)	WRAS240102064	31/01/2029	-	-	115
H96BOX	Waterproof rec box for seq shower mixer no inverter, kit 1/2	Ongoing	-	-	-	115
H96CBOX	Waterproof rec box for seq shower mixer with inv, kit 1/2	WRAS240102064	31/01/2029	-	-	115
H9640	SECURITHERM thermostatic seq shower top outlet offset SC	WRAS240902010	30/09/2029	Ongoing	-	110
H964015	SECURITHERM therm seq shower mixer top outlet inline SC, 15mm	WRAS240902010	30/09/2029	Ongoing	-	110
H9741	SECURITHERM Securitouch thermostatic shower mixer, offset SC	WRAS2204054	30/04/2027	Ongoing	-	116
H9741TP	SECURITHERM Securitouch therm shower mixer, inline SC TMV3	WRAS2204054	30/04/2027	Ongoing	-	116

DELABIE AND SANITARY FITTING COMPLIANCE IN HEALTHCARE FACILITIES

In recent years, the Department of Health & Social Care has issued various guidance for Sanitary Provision in healthcare facilities. The aim is to ensure appropriate solutions for the intended use. DELABIE's sanitary fittings have been specifically designed to be fit-for-purpose in specialist healthcare environments and to comply with current guidance.

HTM04-01

Health Technical Memorandum 04-01: Safe water in healthcare premises
HTM 04-01 Parts A – C (2016), and the Supplement (2017) for TMV performance specification, provide guidance for the design, installation, commissioning and operational management for the provision of safe water, with a specific focus on infection control and anti-scalding measures.
This supplements the Health and Safety Executive guidance HSG274 for legionella control in hot and cold water systems.

HTM07-04

Health Technical Memorandum 07-04: Water management and water efficiency – best practice advice for the healthcare sector (2013)
HTM 07-04 encourages the efficient management of water in healthcare facilities and highlights the economic and environmental benefits of self-closing/sensor taps, dual flush WCs and controlled-flush urinals in the appropriate environments
(for more information about our urinal solutions see our Commercial Water Controls catalogue DOC 609 UK).

HBN00-02

Health Building Note 00-02: Sanitary spaces (Published 2013, updated 2016)
HBN 00-02 provides best practice guidance on the design and layout of sanitary spaces for use in healthcare settings and enhances Approved DOC M accessibility provision.

HBN00-09

Health Building Note 00-09: Infection control in the built environment (2013)
HBN 00-09 advocates the application of design principles to encourage desired behaviour to promote patient safety and comfort, prevent contamination and facilitate cleanliness.

HBN00-10

Health Building Note 00-10: Part C: Sanitary Assemblies (2013)
HBN 00-10 outlines essential quality and safety standards that sanitary assemblies must comply with.
Particular consideration is given to: infection prevention and control; patient safety; product standardisation, sustainability and life-cycle management; cleaning regimes and maintenance costs.

BS 8580-1:2019 Water quality. Risk assessments for Legionella control (Published 2010, updated 2019)
BS 8580-1 acts as a code of practice with recommendations and guidance for assessing the risk of Legionnaire's disease associated with man-made water systems. Recently updated to ensure it aligns with HSG 274 among other Legionella guidance documents.

BS 8580-2:2022 Water quality. Risk assessments for Pseudomonas aeruginosa and other waterborne pathogens (2022)
BS 8580-2 provides detailed guidance on assessing the risks posed by P. aeruginosa in healthcare settings, and the implications for duty holders, responsible persons and the Water Safety Group.

ECAU/EChAU classification for mixers:
There are 4 basic characteristics and the letters E A U have the following meaning:
- flow rate (E);
- sound (A - acoustics);
- endurance (U);
- withstanding stress of alternated pressure from the ceramic cartridges.

The C or Ch characteristics (like comfort, water savings and energy) correspond to the parameters of the products (dimensions, effort to control and water-saving system).
The C characteristic refers to the domestic sector whilst Ch refers to public and commercial places (Care homes, non-medicalised retirement homes...).

The modalities of the classification are specified here below:

			for mechanical mixers	for thermostatic mixers
Flow E	**Q lpm measured under 3 bar**	**E_{00}**	4 lpm ≤ Q < 6 lpm	4 lpm ≤ Q < 6 lpm
		E_0	9 lpm ≤ Q < 12 lpm	9 lpm ≤ Q < 12 lpm
		E_1	12 lpm ≤ Q < 16 lpm	12 lpm ≤ Q < 16 lpm
		E_2	16 lpm ≤ Q < 20 lpm	16 lpm ≤ Q < 20 lpm
		E_3	20 lpm ≤ Q < 25.2 lpm	20 lpm ≤ Q < 25 lpm
		E_4	Q < 25.2 lpm	Q < 25 lpm
		For bath controls, the minimum classification is E3		
Comfort C	**Type**	**C_1**	Dimensions, effort to control	Dimensions, effort to control
		C_2	Water-saving system	Water-saving system
		C_3	Energy-saving system	Energy-saving system
Comfort Ch	**Type**	**Ch_1**	Dimensions	Dimensions
		Ch_2	Water-saving system	Water-saving system
		Ch_3	Energy-saving system	Energy-saving system
Acoustics A	**Lap dB (A)**	**A_1**	20dB (A).< Lap ≤ 30 dB (A)	20dB (A).< Lap ≤ 30 dB (A)
		A_2	15dB (A).< Lap ≤ 20 dB (A)	15dB (A).< Lap ≤ 20 dB (A)
		A_3	Lap ≤ 15 dB (A)	Lap ≤ 15 dB (A)
Endurance U	**Number of cycles**	**U_3**	Mobile shutter mechanism: 175,000 cycles Mobile spout: 200,000 cycles Shower-bath diverter: 80,000 cycles	Mobile shutter mechanism: 500,000 cycles Thermostatic cartridge: 50,000 cycles Mobile spout: 200,000 cycles Shower-bath diverter: 80,000 cycles

OTHER INTERNATIONAL CERTIFICATION

European Water Label (EU) **TMV3** (UK) **WRAS** (UK) **STF** (FI) **WATERMARK** (AU) **SVGW** (CH)

DIN-DVGW (DE) **SINTEF** (NOR) **SASO EFFICIENCY** (KSA) **KIWA** (NL) **GA** (HK) **WELS** (HK)

WHAT IS THE NF MARK?

The NF Mark affixed on a product attests that the latter complies with the relevant standards and with complementary technical specifications requested by the market, where appropriate.

• SANITARY WATER CONTROLS
The characteristics are specified in the technical documents, prepared with the participation of the manufacturers, the distributors, the consumer associations, the laboratories and the public authorities, fixed by AFNOR Certification and monitored by the "Centre Scientifique et Technique du Bâtiment" (CSTB) (Scientific and Technical Building Centre).
CSTB carries out tests on the products and the audits on the companies as part of this application.

WHAT DOES THE NF MARK ACCORD?

> Sanitary water controls
The NF Mark - SANITARY TAPWARE certifies the compliance of products with the certification reference system approved by AFNOR Certification. In particular, this guarantees:

> For thermostatic mixers
- quality of the surface covering;
- interchangeability of valves;
- tightness before and after endurance test;
- intercommunication between cold water and hot water;
- flow rates appropriate to the application;
- behaviour when adjusted;
- adjustment precision;
- adjustment sensitivity;
- mixed water temperature stability depending upon:
  - flow rate variation;
  - pressure variation;
  - hot water temperature variation;
- accuracy;
- safety: cold water shut-off and efficiency of the limit stop;
- mechanical performances;
- wear resistance for the control devices;
- acoustic performances.

> For mechanical mixers
- quality of the surface covering;
- interchangeability of mixer taps;
- tightness before and after endurance test;
- intercommunication between cold water and hot water;
- flow rates appropriate to the application;
- use comfort depending on the sensitivity, the precision and the temperature constancy;
- mechanical performances;
- wear resistance for the control devices;
- acoustic performances.

THE NF MARK IS TO BE FOUND ON WHAT PRODUCTS?

The NF Mark is affixed on the following products:

• SANITARY WATER CONTROLS
- single taps and mixer taps;
- mechanical mixer taps;
- thermostatic mixing valves;
- flow rate regulators;
- shower outlets for sanitary tapware;
- extractable handsprays for sink and washbasin mixer taps;
- shower hoses for sanitary tapware;
- waste fittings;
- automatic shut-off valves;
- stop valves mounted:
  - upstream from sanitary tapware;
  - on a WC flushing cistern;
  - to supply a washing machine;
- multiway selector;
- automatic diverter, Family H, type C;
- electronic opening and closing valve, and specifies the ratings for some of them.

ECAU/EChAU classification for mechanical mixers:
There are 4 basic characteristics and the letters E A U have the same meaning as for the other mixers (see table below). The letters C or Ch (comfort, water and energy savings) correspond to the specific parameters of the products (dimensions, effort to operate and water saving systems). The letter C refers to the domestic sector, whereas Ch refers to non-domestic (retirement homes, care homes, non-healthcare etc.).

Flow rate E	**Q lpm measured at 3 bar**	E_{00}	4 lpm ≤ Q < 6 lpm
		E_0	9 lpm ≤ Q < 12 lpm
		E_1	12 lpm ≤ Q < 16 lpm
		E_2	16 lpm ≤ Q < 20 lpm
		E_3	20 lpm ≤ Q < 25.2 lpm
		E_4	25.2 lpm ≤ Q
		The minimum rating for bath mixers is E3	
Comfort C or Ch	**Type**	C_1	Dimensions, effort to operate
		C_2	Water saving features
Sound level A	**Lap dB (A)**	A_1	20 dB (A) < Lap ≤ 30 dB (A)
		A_2	15dB (A) < Lap ≤ 20 dB (A)
		A_3	Lap ≤ 15 dB (A)
Wear characteristics U	**No. of cycles**	U_1	Movable obturation mechanism: 70,000 cycles Mobile nozzle: 80,000 cycles Bath-shower diverter: 30,000 cycles
		U_2	Movable obturation mechanism: 122,500 cycles Mobile nozzle: 140,000 cycles Bath-shower diverter: 50,000 cycles
		U_3	Movable obturation mechanism: 175,000 cycles Mobile nozzle: 200,000 cycles Bath-shower diverter: 80,000 cycles

MAINTENANCE INDEX



THE ADVANTAGES OF SPECIALIST WATER CONTROLS FOR HEALTHCARE FACILITIES

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, and 30 seconds for showers.

For perfect optimisation of the water resource, the flow rates of DELABIE's water controls are reduced to 1.4 lpm for washbasins and 6 lpm for showers.

WCs with 3L/6L dual flush and flush programmes that adapt to the electronic water controls are additional ways to save water.

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

GREEN time flow solutions
DELABIE's time flow controls are made from sustainable materials that are 100% recyclable. Their lifespan exceeds 500,000 operations.

Electronic economical 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.

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 only develops cistern-less flush systems without cisterns. 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.

Find all our specific solutions for public and commercial places in our dedicated catalogue (DOC 609INT).

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

French HQE
Haute Qualité Environnementale
- Environmental approach
- Controlling the building's lifecycle
- Points system
- 3 levels of performance

German DGNB
Deutsche Gesellschaft für Nachhaltiges Bauen
- Sustainable quality and building development
- Hydro-economic solutions
- New buildings
- Points systems with 3 levels of certification

Middle Eastern ESTIDAMA
Sustainable development
- Sustainable way of life
- Methodology for building design
- Preservation of Abu Dhabi
- 3 levels of certification

British BREEAM
BRE Environmental Assessment Method
- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system

Dutch BREEAM NL
BRE Environmental Assessment Method
- Sustainable building development
- Environmental performance
- New buildings or refurbishment projects
- Credit system

German BNB
Bewertungssystem Nachhaltiges Bauen für Bundesgebäude
- Sustainable approach
- Controlling the building's lifecycle
- Public buildings
- Points systems with 3 levels of performance

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.

REF.	DESCRIPTION	P.
102400	Hinged stainless steel grid for ref 182400	186
120270	TRAPEZ basin no tap hole 304 satin st. steel w/o overflow	190
120400	PMR XS basin vert waste no tap hole 304 satin stainless steel	190
120440	FRAJU PMR basin no tap hole no overflow 304 st steel satin	191
121270	TRAPEZ basin Ø35 ctr tap hole 304 satin st. steel w/o overflow	190
121440	FRAJU PMR basin tap hole Ø35 no overflow 304 st steel satin	191
123400	PMR XS basin vert waste Ø35 right tap hole 304 satin st steel	190
1306T1	Tubular swivel spout Ø22 H140 L150	101
1306T2	Tubular swivel spout Ø22 H260 L200	101
1306T3	Tubular swivel spout Ø22 H260 L300	101
1316	Swivel column with retractable spray, H195 L215mm	80/81
132306	MINERALCAST PMR wall mounted basin L.785 Ø35 centre hole	191
158100	Stopcock 1/2" with vacuum breaker + 1/4 turn ceramic head	177
1583	White reinf PVC flexi hose for bed pan cleaners FF1/2" L.1m	177
15846	Hygienic trigger-op hand spray for bed pans M1/2" inv. jet	177
1585	Wall support hook for push-button operated hand spray	177
180100	ILHA free standing water fountain H915 304 st steel satin	187
180110	ILHA JR free std water fountain H800 304 st steel satin	187
180130	Hospital plaster sink wall mounted 304 stainless steel satin	183
180140	Floor standing combi basin sink 304 stainless steel satin	184
180150	Floor standing cleaners sink 304 stainless steel satin	184
180170	Wall mounted cleaners sink 304 stainless steel satin	186
1801T2	Wall mtd basin mixer + 1 BIOCLIP disposable spout, panel fix	101
180300	SXL hand wash free standing right hole Ø22 304 st steel sat	188
180330	GENOU wall mtd hand wash right tap hole Ø22 304 st steel sat	188
1804T2	Wall mtd basin mixer + 2 BIOCLIP st. steel spouts, panel fix	101
180800	SD water fountain with bubbler tap 304 stainless steel satin	187
180810	SD water fountain with swan neck tap 304 st steel satin	187
180820	SD water fountain bubbler tap + swan neck tap 304 st st satin	187
181000	Surgical scrub trough high upstand L.700 304 st steel satin	182
181020	Surgical scrub trough low upstand L.700 304 st steel satin	182
181100	Surgical scrub trough L700 1 tap hole Ø22 304 st steel satin	182
181200	Surgical scrub L.700 2 tap holes Ø22 c-c 150 304 st st satin	182
181310	SXS hand washbasin w/o tap 304 satin st steel	189
181320	SXS hand washbasin w/o tap with upstand 304 satin st steel	189
182000	Surgical scrub trough high upstand L.1400 304 st steel satin	182
182020	Surgical scrub trough low upstand L.1400 304 st steel satin	182
182060	XL P floor std disposal sink horiz inlet 304 st steel satin	185
182070	XL P floor std disposal sink vert inlet 304 st steel satin	185
182100	Surgical scrub L.1400 2 tap holes Ø22 304 st steel satin	182
182160	XL S wall mtd disposal sink horiz inlet 304 st steel satin	185
182200	Surgical scrub L.1400 4 tap holes Ø22 c-c150 304 st st satin	182
182310	SXS hand washbasin mechanical complete 304 satin st steel	189
182320	SXS hand washbasin mechanical complete with upstand 304 satin st steel	189
182400	Wall mtd sink with splashback 304 pol satin stainless steel	186
183000	Surgical scrub trough high upstand L.2100 304 st steel satin	182
183020	Surgical scrub trough low upstand L.2100 304 st steel satin	182
183100	Surgical scrub L.2100 3 tap holes Ø22 304 st steel satin	182
183200	Surgical scrub L.2100 6 tap holes Ø22 c-c150 304 st st satin	182
184310	SXS hand washbasin electronic complete 304 satin st steel	189
18431015	WRAS SXS hand washbasin elect. complete 304 st steel	189
184320	SXS hand washbasin electronic complete with upstand 304 satin st steel	189
18432015	WRAS SXS hand washbasin elect. complete with upstand 304 st steel	189
185000	HYGIENE surgical scrub high upstand L.700 304 st steel satin	181
185020	HYGIENE surgical scrub low upstand L.700 304 st steel satin	181
18502015	HYGIENE surgical scrub low upstand L.800 304 st steel satin	181
185100	HYGIENE surgical scrub L700 1 taphole Ø22 304 st steel satin	181
185200	HYGIENE surg scrub L700 2 tapholes Ø22 c-c150 304 st st sat	181
186000	HYGIENE surgical scrub high upstand L.1400 304 st st satin	181
186020	HYGIENE surgical scrub low upstand L.1400 304 st steel satin	181
18602015	HYGIENE surgical scrub low upstand L.1600 304 st steel satin	181
186100	HYGIENE surgical scrub L1400 2 tap holes Ø22 304 st st satin	181
186200	HYGIENE surg. scrub L.1400 4 tap holes Ø22 c-c150 304 st st	181
187000	HYGIENE surgical scrub high upstand L2100 304 st steel satin	181

REF.	DESCRIPTION	P.
187020	HYGIENE surgical scrub low upstand L.2100 304 st steel satin	181
18702015	HYGIENE surgical scrub low upstand L.2400 304 st steel satin	181
187100	HYGIENE surgical scrub L2100 3 tap holes Ø22 304 st st satin	181
187200	HYGIENE surg. scrub L.2100 6 tap holes Ø22 c-c150 304 st st	181
188000	Satin finish 304 st st hygiene hand washbasin w/ high upstand	183
188100	Satin finish 304 st st hygiene hand washbasin w/ 1 taphole Ø22	183
188200	Satin finish 304 st st hyg hand washbasin 2 tapholes Ø22 c150	183
188300	Satin finish 304 st st hyg hand washbasin 2 tapholes Ø22 & Ø30	183
200000	Pre-mixer COMPACT MF1/2" for basin non return valves	-
20002	2 × BIOCLIP stainless steel spouts L129mm Ø28	70/89
20003	2 × BIOCLIP stainless steel spouts L77mm Ø28	70/89
20004	2 × Brass curved spouts L. 70mm Ø28	89/90
20015	15 × BIOCLIP disposable spouts L125mm Ø22	70/89
20040	BIOFIL 2M sterile filter spout	25/89
20040.10P	Replaced by 20040	-
20050A.10P	Replaced by 20250	-
20050P.10P	Replaced by 20250	-
20051A.10P	Replaced by 20251	-
20051P.10P	Replaced by 20251	-
20060.10P	Discontinued	-
20061.10P	Replaced by 20261	-
20164T1	Electronic mix 230V high swivel spout H165 L160, lever L100	30
20164T4	Electronic mix 230V high swivel spout H300 L250, lever L100	63
20250	BIOFIL 2M sterile tap filter, shower flow	23
20251	BIOFIL 2M sterile tap filter, straight flow	23
20261	BIOFIL 2M sterile screw-in shower filter	24
20350	BIOFIL 3M sterile tap filter, shower flow	23
20351	BIOFIL 3M sterile tap filter, straight flow	23
20361	BIOFIL 3M sterile screw-in shower filter	24
204001	Deck mounted fixed spout M1/2" L150 H170 Ø16 FS 3lpm	101
20450	BIOFIL 4M sterile tap filter, shower flow	23
20451	BIOFIL 4M sterile tap filter, straight flow	23
20461	BIOFIL 4M sterile screw-in shower filter	24
20464T1	Elect battery mix, high swivel spout H165 L160, lever L100	30
20464T4	Elect battery mix, high swivel spout H300 L250, lever L100	63
20801T2	Wall mtd elect tap with BIOCLIP disposable spout, panel fix	84
20804T2	Wall mtd elect tap with 2 BIOCLIP st steel spouts panel fix	84
20804T215	Wall mtd elect tap 2 BIOCLIP st steel spouts 15mm panel fix	84
20870T1	Elect mixer H160 w. swivel spout + 2 BIOCLIP st steel spouts	30
20870T3	Elect mixer H300 w. swivel spout + 2 BIOCLIP st steel spouts	63
20871T1	Elect mixer H160 w. swivel spout + BIOCLIP disposable spout	30
20871T3	Elect mixer H300 w. swivel spout + BIOCLIP disposable spout	63
22.5P	5 × Scale proof aerator F22/100	-
2210	Mechanical sink mixer swivel spout H145 L215mm sculpt lever	74
2210L	Mechanical sink mixer swivel spout H145 L215mm Hygiene lever	74
2211	Mech sink mixer swivel spout/ret. spray H105mm, solid lever	78
2211EP	EP sink mixer swivel spout/ret. spray H105mm, solid lever	78
2211L	Mech sink mixer swivel spout/ret spray H105mm Hygiene lever	78
2211LEP	EP sink mixer swivel spout/ret. spray H105mm, Hygiene lever	78
2220	Mechanical basin mixer H60mm, pop-up waste, sculptured lever	51
2220L	Mechanical basin mixer H60mm, pop-up waste, Hygiene lever	51
2221	Mech. basin mixer H60mm, no pop-up waste, sculptured lever	51
2221L	Mechanical basin mixer H60mm, no pop-up waste, Hygiene lever	51
222428	Key for removing aerators F22×100 M24×100 M28×100	-
222429	Key for flow straightener removal, aerator, biosafe M16.5×100	202
2239	*Mech shower mix, sculpt lever offset SC (whl stk then 2539)	-
2239EP	*EP shower mix, sculpt lever offset SC (whl stk then 2539EP)	-
2239EPHYG	*Shower kit w. 2239EP mixer, SC (while stock then 2539EPHYG)	-
2239EPKIT	*Shower kit w. 2239EP mech mix, SC (whl stk then 2539EPKIT)	-
2239EPS	*EP shwr mix, sculpt lever std unions (whl stk then 2539EPS)	-
2239EPSHYG	*Shower kit w. 2239EPS mixer, std (whl stk then 2539EPSHYG)	-
2239EPSKIT	*Shwr kit w. 2239EPS mech mix, std (whl stk then 2539EPSKIT)	-
2239S	*Mech shower mixer, sculpt lever, std (whl stck then 2539S)	-
2252S	Wall mtd mech shower bath mixer sculpt lever, offset std	130

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.
24.5P	5 × Scale proof aerator M24/100	-
2436	Wall mtd sequential mech mixer, swivel spout L.200, SC unions	91
2436P	Replaced by 2437	-
2436S	Wall mtd mech seql sink mixer swivel spout L200mm offset std	91
2437	Wall-mtd sequential mech mixer, fixed spout L.200, SC unions	91
2437S	Wall-mtd sequential mech mixer, fixed spout L.200 offset std	91
2443	Recessed mechanical shower mixer behind wall plate Ø116	133
2445	Wall mtd mech Secur sink mix swiv spout L200, sculpt lever,SC	92
2445EP	Wall mtd EP Secur sink mix swiv spout L200, sculpt lever SC	92
2445EPS	Wall mtd EP Secur sink mix swiv spout L200, sculpt lever, std	92
2445L	Wall mtd mech Secur sink mixer swiv spout L200mm Hyg lever,SC	92
2445LEP	Wall mtd EP Securitouch mixer swivel spout L200 Hyg lever,SC	92
2445LEPS	Wall mtd sink EP Secur mixer swiv spout L200mm, Hyg lever,std	92
2445LEPUK	Replaced by 2445LEP	-
2445LS	Wall mtd mech Secur sink mixer swiv spout L200,Hyg lever, std	92
2445S	Wall mtd mech Secur mixer swiv spout L200, sculpt lever, std	92
2446	Wall mtd mech Secur sink mix swiv spout L150, sculpt lever,SC	92
2446EP	Wall mtd EP Secur sink mix swiv spout L150, sculpt lever SC	92
2446EPS	Wall mtd EP Secur sink mix swiv spout L150, sculpt lever, std	92
2446L	Wall mtd mech Secur sink mixer swiv spout L150mm Hyg lever,SC	92
2446LEP	Wall mtd EP Securitouch mixer swivel spout L150 Hyg lever,SC	92
2446LEPS	Wall mtd sink EP Secur mixer swiv spout L150mm, Hyg lever,std	92
2446LEPUK	EP sink mixer c-c 150, fixed spout L150, Hyg L., inline S/C	92
2446LS	Wall mtd mech Secur sink mixer swiv spout L150,Hyg lever, std	92
2446S	Wall mtd mech Secur mixer swiv spout L150, sculpt lever, std	92
2447LEPUK	EP sink mixer c-c 200, fixed spout L150, Hyg L., inline S/C	92
2447LUK	Mech sink mixer c-c 200, fixed spout L150, Hyg L., in-L S/C	92
25061T1	Basin mixer with swivel spout H.195mm L.150mm, no waste	58
2506T1	Basin mixer with swivel spout H.195mm L.150mm, with waste	58
2506T2	Sink mixer with swivel spout H220 L200mm, no waste	73
2510	Mechanical sink mixer swivel spout H155 L230mm sculpt lever	75
2510L	Mechanical sink mixer swivel spout H155 L230mm Hygiene lever	75
2510T	Mechanical sink mixer swivel spout H155 L230mm solid lever	75
2519	Wall mtd mech mixer swiv spout L200, sculpt lever, SC unions	93
2519L	Wall mtd mech mixer swivel spout L200 Hygiene lever,SC unions	93
2519LS	Wall mtd mech mixer swiv spout L200 Hygiene lever offset std	93
2519S	Wall mtd mech mixer swiv spt L200mm sculpt lever offset std	93
2520	Mechanical basin mixer H.85mm L.135mm + waste, sculpt lever	50
2520EP	EP basin mixer H.85mm L.135mm + waste, sculptured lever	50
2520L	Mechanical basin mixer H.85mm L.135mm + waste, Hygiene lever	50
2520LEP	EP basin mixer H.85mm L.135mm + waste, Hygiene lever	50
2520T	Mechanical basin mixer H.85mm L.135mm + waste, solid lever	50
2520TEP	EP basin mixer H.85mm L.135mm + waste, solid lever	50
2521	Mechanical basin mixer H.85mm L.135mm no waste, sculpt lever	50
2521EP	EP basin mixer H.85mm L.135mm no waste, sculptured lever	50
2521L	Mechanical basin mixer H85mm L135mm, no waste, Hygiene lever	50
2521LEP	EP basin mixer H85mm L135mm, no waste, Hygiene lever	50
2521T	Mechanical basin mixer H85mm L135mm, no waste, solid lever	50
2521TEP	EP basin mixer H85mm L135mm, no waste, solid lever	50
2522	Mech. basin mix. with swivel spout H100mm L170mm, sculpt lever	59
2522L	Mech. basin mix. with swivel spout H100mm L170mm, Hyg. lever	59
2522T	Mech. basin mix. with swivel spout H100mm L170mm, solid lever	59
2539	Mechanical shower mixer, sculptured lever, offset SC unions	130
2539EP	EP shower mixer, sculptured lever, offset SC unions	130
2539EPHYG	Auto drain shower kit with mixer 2539EP, SC unions	131
2539EPKIT	Shower riser kit with mechanical mixer 2539EP, SC unions	131
2539EPS	EP shower mixer, sculptured lever, offset standard unions	130
2539EPSHYG	Auto-drain shower kit with mixer 2539EPS, std unions	131
2539EPSKIT	Shower riser kit with mechanical mixer 2539EPS, std unions	131
2539HYG	Auto drain shower kit with mechanical mixer 2539, SC unions	131
2539KIT	Shower riser kit with mechanical mixer 2539, SC unions	131
2539S	Mechanical shower mixer, sculptured lever, offset std unions	130
2539SHYG	Auto-drain shower kit with mech mixer 2539S offset std unions	131
2539SKIT	Shower riser kit with mech mixer 2539S offset std unions	131

REF.	DESCRIPTION	P.
2541	Waterproof recessed shower mixer, kit 2/2 (+254BOX)	132
2541EP	Waterproof recessed EP shower mixer, kit 2/2 (+254BOX)	132
2542	Mech mixer w. remote control, sculpt lever for retr. spray	81
2542EP	EP mixer w. remote ctrl, sculpt lever for retracting spray	81
2543	Replaced by 2541	-
254BOX	Waterproof recessed housing for mech shower no elbow kit 1/2	132
254CBOX	Waterproof recessed housing for mech shower w elbow kit 1/2	132
2551	Waterproof rec shower mixer with elbow kit 2/2 (+254CBOX)	132
2551EP	Waterproof rec EP shower mixer with elbow kit 2/2 (+254CBOX)	132
2564T1	Mech basin mixer high swivel spout H.165 L.140 Hygiene lever	57
2564T1EP	EP basin mixer high swivel spout H.165 L.140, Hygiene lever	57
2564T2	Mech basin mixer high swivel spout H.165 L.220 Hygiene lever	57
2564T2EP	EP basin mixer high swivel spout H.165 L.220, Hygiene lever	57
2564T3	Mech basin mixer high swivel spout H.305 L.140 Hygiene lever	71
2564T3EP	EP basin mixer with high swivel spout H.305 L.140 Hyg lever	71
2564T4	Mech basin mixer high swivel spout H.305 L.220 Hygiene lever	71
2564T4EP	EP basin mixer with high swivel spout H.305 L.220, Hyg lever	71
2564T5	Mech basin mixer high swivel spout H.205 L.170 Hygiene lever	57
2564T5EP	EP basin mixer high swivel spout H.205 L.170, Hygiene lever	57
2565T1	Mechanical basin mixer high fixed spout H165 L140, Hyg lever	57
2565T1EP	EP basin mixer high fixed spout H.165 L.140 Hygiene lever	57
2565T3	Mech basin mixer high fixed spout H.305 L.140, Hygiene lever	71
2565T3EP	EP basin mixer high fixed spout H.305 L.140 Hygiene lever	71
2565T5	Mechanical basin mixer high fixed spout H205 L170 Hyg lever	57
2565T5EP	EP basin mixer high fixed spout H.205 L.170, Hygiene lever	57
256FIX	Fixing plate + threaded rods L. 130mm for mixers	202
256P	Fixing plate for mixers	202
2591	Bed pan cleaner stop cock + trigger hand spray with FS	176
2592	Bed pan cleaner stop cock + inverted trigger hand spray	176
2597	Mechanical mixer swivel spout H210 L210mm retractable spray	79
2599	Mech sink mixer retractable hand spray H195, sculpt lever	81
2599EP	EP sink mixer retractable hand spray H195, sculptured lever	81
260020	Recessed diverter valve	141
260021	Exposed diverter valve	141
2610EP	Wall-mtd EP mixer disp BIOCLIP spout L180 S/C union c-c 150	90
2610EPS	Wall-mtd EP mixer disp BIOCLIP spout L180 std union c-c 150	90
2611EP	Wall-mtd EP mixer +2 brass BIOCLIP spouts L120 S/C c-c 150	90
2614EP	Wall-mtd EP mixer +2 brass BIOCLIP spouts L120 S/C c-c 200	90
2620	BIOSAFE mechanical basin mixer H95 with waste, solid lever	49
26206	Replaced by 26216	-
26206MINI	Replaced by 26216MINI	-
26206MINIEP	Replaced by 26216MINIEP	-
2620EP	BIOSAFE EP basin mixer H95 with waste, solid lever	49
2620MINI	BIOSAFE mechanical basin mixer H50mm with waste, solid lever	49
2620MINIEP	BIOSAFE EP basin mixer H50mm with waste, solid lever	49
2621	BIOSAFE mechanical basin mixer H95 no waste, solid lever	49
26216	BIOSAFE mech basin mixer H95mm no waste, solid lever, copper	49
26216EP	BIOSAFE EP basin mixer H95mm no waste, solid lever, copper	49
26216MINI	*BIOSAFE mech mixer H.50 no waste, solid lever, copper (while stock)	-
26216MINIEP	*BIOSAFE EP mixer H50mm no waste, solid lever, copper (while stock)	-
2621EP	BIOSAFE EP basin mixer H95 no waste, solid lever	49
2621MINI	BIOSAFE mech basin mixer H50mm no waste, solid lever	49
2621MINIEP	BIOSAFE EP basin mixer H50mm no waste, solid lever	49
2640	Replaced by 2436/2437	-
2640S	Replaced by 2436S/2437S	-
2641	Replaced by 2436/2437	-
2641S	Replaced by 2436S/2437S	-
2664T1	Sequential mechanical mixer swivel spout H160 L160 Hyg lever	55
2664T2	Sequential mechanical mixer swivel spout H160 L250 Hyg lever	55
2664T3	Sequential mechanical mixer swivel spout H300 L160 Hyg lever	72
2664T4	Sequential mechanical mixer swivel spout H300 L250 Hyg lever	72
2664T5	Sequential mechanical mixer swivel spout H200 L200 Hyg lever	55
2665T1	Sequential mechanical mixer fixed spout H160 L160 Hyg lever	55
2665T3	Sequential mechanical mixer fixed spout H300 L160 Hyg lever	72

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.
2665T5	Sequential mechanical mixer fixed spout H200 L200 Hyg lever	55
2720L	Mechanical basin mixer H.95mm L.120mm + waste, Hygiene lever	43
2720LEP	EP basin mixer H.95mm L.120mm + waste, Hygiene lever	43
2720T	Mechanical basin mixer H.95mm L.120mm + waste, solid lever	43
2720TEP	EP basin mixer H.95mm L.120mm + waste, solid lever	43
27216L	Mech basin mixer H95 L120, no waste, Hygiene lever, copper	43
27216LEP	EP basin mixer H95mm L120mm, no waste, Hygiene lever, copper	43
2721L	Mechanical basin mixer H95mm L120mm, no waste, Hygiene lever	43
2721LEP	EP basin mixer H.95mm L.120mm, no waste, Hygiene lever	43
2721T	Mechanical basin mixer H95mm L120mm, no waste, solid lever	43
2721TEP	EP basin mixer H95mm L120mm, no waste, solid lever	43
2739	Securitouch mechanical shower mixer, sculptured lever, SC	129
2739EP	SECURITHERM EP shower mixer, sculptured lever, SC unions	129
2739EPHYG	Auto drain shower kit w. Securitouch mixer 2739EP, SC unions	129
2739EPKIT	Shower riser kit with Securitouch mixer 2739EP, SC unions	129
2739EPS	SECURITHERM EP shower mixer, sculptured lever, offset std	129
2739EPSHYG	Auto-drain shower kit w. Securitouch mixer 2739EPS offset std	129
2739EPSKIT	Shower riser kit with Securitouch mixer 2739EPS, offset std	129
2739HYG	Auto drain shower kit w. Securitouch mixer 2739, SC unions	129
2739KIT	Shower riser kit with Securitouch mixer 2739, SC unions	129
2739S	Securitouch mechanical shower mixer, sculptured lever, std	129
2739SHYG	Auto drain shower kit w. Securitouch mixer 2739S, offset std	129
2739SKIT	Shower riser kit with Securitouch mixer 2739S, offset std	129
2739T	Securitouch mechanical shower mixer, solid lever, SC unions	129
2739TEP	SECURITHERM EP shower mixer, solid lever, SC unions	129
2739TEPS	SECURITHERM EP shower mixer, solid lever, standard unions	129
2739TS	Securitouch mechanical shower mixer, solid lever, std unions	129
28.2P	2×Scale proof aerator M28/100	-
28201L	BIOCLIP mech basin mixer H95mm L120mm Hyg lever no stopcocks	41
28201LEP	BIOCLIP EP basin mixer H95mm L120mm, Hyg lever no stopcocks	41
28201T	BIOCLIP mech mixer H95 L120 waste solid lever no stopcocks	41
28201TEP	BIOCLIP EP basin mixer H95mm waste solid lever no stopcocks	41
2820L	BIOCLIP mechanical basin mixer H95 L120 waste Hygiene lever	41
2820LEP	BIOCLIP EP basin mixer H95mm L120mm, waste, Hygiene lever	41
2820T	BIOCLIP mech basin mixer H95mm L120mm waste, solid lever	41
2820TEP	BIOCLIP EP basin mixer H95mm L120mm, waste, solid lever	41
28211L	BIOCLIP basin mixer H95 L120 no waste, Hyg lev, no stopcocks	41
28211LEP	BIOCLIP EP basin mixer H95 no waste, Hyg lever, no stopcocks	41
28211T	BIOCLIP mech mixer H95, no waste, solid lever, no stopcocks	41
28211TEP	BIOCLIP EP basin mix H95, no waste solid lever no stopcocks	41
28216L	BIOCLIP mech basin mix H95 L120, no waste, Hyg lever, copper	41
28216LEP	BIOCLIP EP basin mix H95 L120, no waste, Hyg lever, copper	41
2821L	BIOCLIP mechanical basin mix H95 L120 no waste Hygiene lever	41
2821LEP	BIOCLIP EP basin mix H95mm L120mm no waste, Hygiene lever	41
2821T	BIOCLIP mech basin mixer H95mm L120mm no waste solid lever	41
2821TEP	BIOCLIP EP basin mixer H95mm L120mm, no waste, solid lever	41
2870T1	Mech mixer BIOCLIP swivel spout H180 L185 +2 st steel spouts	56
2870T1EP	EP mixer BIOCLIP swivel spout H180 L185 +2 st steel spouts	56
2870T3	Mech mixer BIOCLIP swivel spout H320 L185 +2 st steel spouts	70
2870T3EP	EP mixer BIOCLIP swivel spout H320 L185 + 2 st steel spouts	70
2871T1	Mech mixer BIOCLIP swivel spout H.180 L.180 + 1 disp spout	56
2871T1EP	EP mixer BIOCLIP swivel spout H180 L180 + 1 disposable spout	56
2871T3	Mech mixer BIOCLIP swvl spout H320 L180 + 1 disposable spout	70
2871T3EP	EP mixer w. BIOCLIP swivel spout H.320 + 1 disposable spout	70
292015.2P	2 × Moulded wall plate Ø60×21×5 for tap M1/2"	177
2920L	Mechanical basin mixer H.100 L.110 with waste, Hygiene lever	47
2920LEP	EP basin mixer H.100mm L.110mm with waste, Hygiene lever	47
2920T	Mech basin mixer H.100 L.110, with pop-up waste, solid lever	47
2920TEP	EP basin mixer H.100 L.110, with pop-up waste, solid lever	47
2921L	Mech basin mixer H.100 L.110, no pop-up waste, Hygiene lever	47
2921LEP	EP basin mixer H.100 L.110, no pop-up waste, Hygiene lever	47
2921T	Mech basin mixer H.100 L.110, no pop-up waste, solid lever	47
2921TEP	EP basin mixer H.100mm L.110mm, no pop-up waste, solid lever	47
30040.10P	Replaced by 30040	-

REF.	DESCRIPTION	P.
30050A.10P	Discontinued	-
30050P.10P	Replaced by 30250	-
30051A.10P	Discontinued	-
30051P.10P	Discontinued	-
30060.10P	Discontinued	-
30061.10P	Discontinued	-
30040	BIOFIL 2M non-sterile filter spout	25/89
30250	BIOFIL 2M non-sterile tap filter, shower flow	23
30251	BIOFIL 2M non-sterile tap filter, straight flow	23
30261	BIOFIL 2M non-sterile screw-in shower filter	24
30350	BIOFIL 3M non-sterile tap filter, shower flow	23
30351	BIOFIL 3M non-sterile tap filter, straight flow	23
30361	BIOFIL 3M non-sterile screw-in shower filter	24
30450	BIOFIL 4M non-sterile tap filter, shower flow	23
30451	BIOFIL 4M non-sterile tap filter, straight flow	23
30461	BIOFIL 4M non-sterile screw-in shower filter	24
374001	Hypereco liquid soap dispenser 0.9L white ABS	96
378015	BINOPTIC basin tap M3/8" mains 230/12V + trans	31
37801515	BINOPTIC basin tap Ø15 for comp. fitting 230/12V + trans	31
378MCH	BINOPTIC MIX basin mixer M3/8" mains 230/12V + trans	31
378MCH15	BINOPTIC MIX basin mixer Ø15 for CF mains 230/12V + trans	31
379D13	BINOPTIC c-wall 190 basin tap M3/8"spout L135 mains + trans	87
379D1315	BINOPTIC c-w 190 basin tap Ø15 for CF spout L135 mains +trans	87
379DER	BINOPTIC c-wall 190 basin tap M3/8"spout L205 mains + trans	87
379DER15	BINOPTIC c-w 190 basin tap Ø15 for CF spout L205 mains +trans	87
379ECM	Replaced by 379MCH	-
379ECML	Replaced by 379MCH	-
379ENC	BINOPTIC rec basin tap M3/8" spout L200 mains + trans	87
379ENC15	BINOPTIC rec basin tap Ø15 for CF spout L200 mains + trans	87
379ENCL	BINOPTIC rec basin tap M3/8" spout L252 mains + trans	87
379MCH	BINOPTIC MIX c-wall 110 basin mix M3/8" mains 230/12V +trans	87
379MCH15	BINOPTIC MIX c-wall 110 basin mix Ø15 for CF mains + trans	87
379MCHL	Replaced by 379MCH	-
388015	BINOPTIC basin M3/8" H.170mm tap 230/12V mains supply	65
38801515	BINOPTIC basin tap Ø15 for CF H.170mm 230/12V mains supply	65
388MCHLH	BINOPTIC MIX basin M3/8" H.170mm mixer 230/12V mains supply	65
388MCHLH15	BINOPTIC MIX basin Ø15 for CF H.170mm mixer 230/12V mains	65
398015	BINOPTIC basin M3/8" H.250mm tap 230/12V mains supply	65
39801515	BINOPTIC basin Ø15 for CF H.250mm tap 230/12V mains supply	65
398MCHLH	BINOPTIC MIX basin M3/8" H.250mm mixer 230/12V mains supply	65
398MCHLH15	BINOPTIC MIX basin Ø15 for CF H.250mm mixer 230/12V mains	65
409100	Discontinued	-
434000	HOSPITAL trigger hand spray for bed pans	177
434065	HYGIÉNA trigger hand spray w. flow straightener for bed pans	177
434080	Flexible white PVC hose FF1/2" L0.80m	177
434125	Flexible white PVC hose FF1/2" L1.25m	177
434182	Inverted trigger hand spray with push button for bed pans	138
440000	TEMPOMATIC 4, basin tap F3/8" rec mains 230/6V + stopcock	34
44000015	TEMPOMATIC 4 basin tap M1/2" rec mains supply Ø15 +stopcock	34
440001	Replaced by 440000	-
44000115	Replaced by 44000015	-
440001HK	Discontinued	-
440006	TEMPOMATIC 4 basin tap F3/8" int. 6V batteries + stopcock	34
44000615	TEMPOMATIC 4 basin tap M1/2" 6V batteries 15mm + stopcock	34
440100	TEMPOMATIC 4, basin tap F3/8" recessed mains supply 230/6V	34
440100AS	TEMPOMATIC 4 basin tap F3/8" 230/6V rec supply, DZR flexi	34
440101	TEMPOMATIC 4, basin tap F3/8" mains supply plug 230/6V	34
440106	TEMPOMATIC 4 basin tap F3/8" integrated 6V batteries	34
440106AS	TEMPOMATIC 4 basin tap F3/8" 6V battery, DZR flexi	34
441157	TEMPOMATIC cross wall 155 basin tap mains 230/12V spout L170	84
44115715	Replaced by 441200	-
441452B	Discontinued	-
441452R	Discontinued	-
441453	Discontinued	-

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.
442006	*TEMPOMATIC 3 bsn tap 6V int batt + stpcck (stock then 440006)	-
44200615	*TEMPOMATIC 3 bsn tap batt 15mm + stpcck (stock then 44000615)	-
442106	*TEMPOMATIC 3 bsn tap F3/8" 6V int 6V batt (stock then 440106)	-
443006	*TEMPOMATIC 3 wll mntd bsn tap 6V batt L190 (stock thn 443506)	-
443016	*TEMPOMATIC 3 bsn tap 6V L190 panels 1-4mm (stock then 443516)	-
443400	TEMPOMATIC 4 basin M1/2" wall-m tap 230/6V rec. mains L.130	85
443406	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L.130	85
443410	TEMPOMATIC 4 basin M1/2" tap CW 230/6V rec. mains L.130	85
443416	TEMPOMATIC 4 basin M1/2" cross wall tap 6V L.130	85
443426	TEMPOMATIC 4 basin tap M1/2" 6V batteries L130 panels 1-24mm	85
443436	TEMPOMATIC 4 basin M1/2" tap batt 6V L.130mm solid walls refit	85
443500	TEMPOMATIC 4 basin M1/2" wall-m tap 230/6V rec. mains L.190	85
443506	TEMPOMATIC 4 wall mounted basin tap M1/2" 6V batteries L190	85
443510	TEMPOMATIC 4 basin M1/2"tap CW 230/6V rec. mains L.190	85
443516	TEMPOMATIC 4 basin M1/2" cross wall tap 6V L.190	85
443526	TEMPOMATIC 4 tap M1/2" 6V batteries L190 for panels 1-24mm	85
443536	TEMPOMATIC 4 basin M1/2" tap batt 6V L.190mm solid walls refit	85
444000	TEMPOMATIC 2 basin tap M3/8" mains 230/12V + transformer	33
44400015	Replaced by 44000015	-
444006	*TEMPOMATIC 2 basin tap M3/8" 6V batt (stock then 440006)	-
44400615	Replaced by 44000615	-
445253	TEMPOMATIC PRO basin tap M3/8" 230/12V with swivel spout	64
44525315	Replaced by 44000015	-
445257	TEMPOMATIC PRO basin tap M3/8" 6V batt. with swivel spout	64
44525715	Replaced by 44000015	-
447500	Discontinued	-
449000	TEMPOMATIC 5, basin tap F3/8" rec mains 230/6V + stopcock	35
44900015	TEMPOMATIC 5 basin tap M1/2" rec mains supply Ø15 +stopcock	35
449001	TEMPOMATIC 5, basin tap F3/8" mains plug 230/6V + stopcock	35
449006	TEMPOMATIC 5 basin tap F3/8" int. 6V batteries + stopcock	35
44900615	TEMPOMATIC 5 basin tap M1/2" 6V batteries 15mm + stopcock	35
449100	TEMPOMATIC 5, basin tap F3/8" recessed mains supply 230/6V	35
449101	TEMPOMATIC 5, basin tap F3/8" mains supply plug 230/6V	35
449106	TEMPOMATIC 5 basin tap F3/8" integrated 6V batteries	35
453140	MINERALCAST wall mtd basin L1400 3 places Ø35 centre hole	-
454001A	MINERALCAST mounting bracket H525	-
454010	MINERALCAST mounting bracket H675	-
454120	MINERALCAST wall mtd basin L1200 2 places no tap hole	-
454122	MINERALCAST wall mtd basin L1200 2 places Ø35 centre hole	-
454180	MINERALCAST wall mtd basin L1800 3 places no tap hole	-
454182	MINERALCAST wall mtd basin L1800 3 places Ø35 centre hole	-
461032	Replaced by 763MODEV	-
461034	Solenoid valve MM1" 12V for TEMPOMATIC WC 463326	-
461035	Solenoid valve MM1" 12V for TEMPOMATIC WC + urinal	203
463000	Electronic multi unit 230/12V for TEMPOMATIC WC + trans	203
463030	TEMPOMATIC WC cross wall 30mm valve 1" mains 230/12V	159
463030HK	TEMPOMATIC WC cross wall 30mm valve 1" mains 230/12V for HK	159
463150	TEMPOMATIC WC cross wall 160mm valve 1" mains 230/12V	159
463150HK	*TEMPOMATIC WC c-wall 160mm vlv 1" 230/12V for HK(while stk)	-
463200	Discontinued	-
463200HK	Discontinued	-
463SRH	Solenoid valve + stopcock F1" + vacuum breaker Ø32 for WC	203
464000	TEMPOMATIC WC dual control recessed st steel 230/6V kit 2/2	156
464006	TEMPOMATIC WC dual control recessed st steel 6V bat. kit 2/2	156
464300	TEMPOMATIC recessed dual ctrl 3/4" WC valve, side ctrl 230/6V	158
464306	TEMPOMATIC rec dual ctrl 3/4" WC valve, side ctrl batteries	158
464PBOX	TEMPOMATIC WC 3/4" recessed flush valve 6V batt. kit 1/2	156
464PISP	Satin SS plate - batteries for TEMPOMATIC WC rec dual control	-
464PISS	Satin SS plate - mains supply for TEMPOMATIC WC rec dual ctrl	-
464SBOX	TEMPOMATIC WC 3/4" recessed flush valve 230/6V kit 1/2	156
478015	BINOPTIC basin tap M3/8" 6V battery	31
47801515	BINOPTIC basin tap Ø15 for compression fitting 6V battery	31
478MCH	BINOPTIC MIX basin mixer M3/8" 6V battery	31
478MCH15	BINOPTIC MIX basin mixer Ø15 compression fittings 6V battery	31

REF.	DESCRIPTION	P.
478MCHLH	Replaced by 478MCH	-
479648	Replaced by 479650	-
479649	Replaced by 479651	-
479650	Sol. valve 6V, adj. flow rate fr TEMPOMATIC 3 &TEMPOMATIC 4	203
479651	Sol. valve 6V adj. flow rate for TEMPOMATIC 3 bsn (old design)	203
484012	Bracket M1/2"+230/6v supply fr BINOPTIC 2 &TEMPOMATIC 4 kit1/2	85
484612	Rec. bracket M1/2" for battery op. TEMPOMATIC MIX 4 kit1/2	85
488015	BINOPTIC basin M3/8" tap H.170mm operated by 6V batteries	65
48801515	BINOPTIC basin Ø15 for CF tap H.170mm 6V battery operated	65
488MCHLH	BINOPTIC MIX basin mix M3/8"r H.170mm operated by 6V batteries	65
488MCHLH15	BINOPTIC MIX Ø15 for CF mixer H.170mm 6V battery operated	65
490000	TEMPOMATIC MIX 4, basin mix F3/8"rec mains supply +stopcocks	34
49000015	TEMPOMATIC MIX 4 basin M1/2" rec mains supply Ø15 stopcocks	34
490000LH	TEMPOMATIC MIX 4, basin mix F3/8"rec mains + stopcocks LH	-
490001	TEMPOMATIC MIX 4, basin mix F3/8" mains plug + stopcocks	34
49000115	TEMPOMATIC MIX 4 basin M1/2" rec UK mains plug Ø15 stopcocks	34
490006	TEMPOMATIC MIX 4 basin mixer F3/8" 6V batteries + stopcocks	34
49000615	TEMPOMATIC MIX 4 basin mix M1/2" batteries 15mm + stopcocks	34
490006LH	TEMPOMATIC MIX 4 basin mix F3/8" 6V batteries +stopcocks LH	-
490100	TEMPOMATIC MIX 4, basin mixer F3/8" rec mains supply 230/6V	34
490100AS	TEMPOMATIC MIX 4 basin mix F3/8 230/6V rec supply DZR flexi	34
490100LH	TEMPOMATIC MIX 4, basin mix F3/8"rec mains supply 230/6V LH	-
490101	TEMPOMATIC MIX 4, basin mixer F3/8" mains plug 230/6V	34
490106	TEMPOMATIC MIX 4 basin mixer F3/8" with int 6V batteries	34
490106AS	TEMPOMATIC 4 basin mixer F3/8" 6V battery, DZR flexibles	34
490106LH	TEMPOMATIC MIX 4 basin mixer F3/8" int 6V batteries + LH	-
490230EXT	Electrical extension for TEMPOMATIC 4 basin	203
490240	Recessed 6V supply for TEMPOMATIC 4 basin from Feb 2016	203
490241	6V eu. electrical plug for TEMPOMATIC 4 basin from Feb 2016	-
490241UK	6V british electrical plug for TEMPOMATIC 4 basin	-
490446	Replaced by 490454	-
490450	Replaced by 490452T	-
490452T	Electronic unit TEMPOMATIC 4 bsn wall m. mains rangefinder	203
490454	Elec control unit C TEMPOMATIC 4 w-mtd for basins 6V int batt.	203
492006	*TEMPOMATIC MIX 3 bsn int 6V batt +stpccks (stock thn 490006)	-
49200615	*TEMPOMATIC MIX 3 bsn batt Ø15 +stpccks (stock thn 49000615)	-
492006LH	*TEMPOMATIC MIX 3 bsn 6V batt +stpccks LH (stock thn 490006LH)	-
492106	*TEMPOMATIC MIX 3 bsn int 6V batt (stock thn 490106)	-
492106LH	Replaced by 490106LH	-
492446	Electronic control unit for TEMPOMATIC 3 integ 6V battery	203
493400	TEMPOMATIC MIX 4 bas. wall-m mix 230/6V reces. L.160 kit 2/2	85
493406	TEMPOMATIC MIX 4 basinwall-m mixer 6V batteries L.160 kit 2/2	85
493410	*TEMPOMATIC MIX 4 bsn CW 230/6V L.130 (stock thn 493510)	-
493416	*TEMPOMATIC MIX 4 bsn c-wall 6V batt L.130 (stock thn 493516)	-
493500	TEMPOMATIC MIX 4 basinwall-m mix 230/6V reces. L.220 kit 2/2	85
493506	TEMPOMATIC MIX 4 basinwall-m mixer 6V batteries L.220 kit 2/2	85
493510	TEMPOMATIC MIX 4 basin F3/8" mixer CW 230/6V rec mains L.190	85
493516	TEMPOMATIC MIX 4 basin F3/8" mix c-wall 6V batteries L.190	85
494000	TEMPOMATIC MIX 2 basin mix M3/8" mains 230/12V + transformer	33
494000LH	*TEMPOMATIC MIX 2 bsn 230/12V + LH lever (stock thn 490000LH)	-
49400015	Replaced by 49000015	-
494006	TEMPOMATIC MIX 2 basin mixer M3/8" 6V battery	33
494006LH	Replaced by 490006LH	-
49400615	Replaced by 49000615	-
495070	TEMPOMATIC detector with cable L0.7m	203
495149	TEMPOMATIC detector with cable L1.50m	203
495253	TEMPOMATIC MIX PRO basin mix M3/8" 230/12V with swivel spout	64
49525315	Replaced by 49000015	-
495257	TEMPOMATIC MIX PRO basin mix M3/8" 6V batt. with swivel spout	64
49525715	Replaced by 49000615	-
495444BC	Standard electronic control unit 230/12V with duty flush	203
495445BC	Multifunction elect control unit 230/12V for TEMPOMATIC	203
495446BC	Electronic control unit 6V battery operated for TEMPOMATIC	203
495499	TEMPOMATIC detector with cable L5m	-

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.
495606	Solenoid vlv M3/8" 6V + filter for TEMPOMATIC, BINOPTIC basin	203
495612	Solenoid vlv M3/8" 12V + filter for TEMPOMATIC, BINOPTIC basin	203
495615	Solenoid valve M1/2" 6V +filter for TEMPOMATIC shower+urinal	-
495626	Solenoid vlv M1/2" 12V + filter for TEMPOMATIC basin/urinal	-
495626CEB	Solenoid valve 1/2" + cable L.4m for multifunction unit	-
495646	Discontinued	-
498015	BINOPTIC basin M3/8" tap H.250mm operated by 6V batteries	65
49801515	BINOPTIC basin Ø15 for CF tap H.250mm 6V battery operated	65
498MCHLH	BINOPTIC MIX basin M3/8" mixer H.250mm operated by 6V batteries	65
498MCHLH15	BINOPTIC MIX Ø15 for CF mixer H.250mm 6V battery operated	65
499000	TEMPOMATIC MIX 5, basin mix F3/8"rec mains supply +stopcocks	35
49900015	TEMPOMATIC MIX 5 basin M1/2" rec mains supply Ø15 stopcocks	35
499001	TEMPOMATIC MIX 5, basin mix F3/8" mains plug + stopcocks	35
499006	TEMPOMATIC MIX 5 basin mixer F3/8" 6V batteries + stopcocks	35
49900615	TEMPOMATIC MIX 5 basin mix M1/2" batteries 15mm + stopcocks	35
499100	TEMPOMATIC MIX 5, basin mixer F3/8" rec mains supply 230/6V	35
499101	TEMPOMATIC MIX 5, basin mixer F3/8" mains plug 230/6V	35
499106	TEMPOMATIC MIX 5 basin mixer F3/8" with int 6V batteries	35
500920	Discontinued	-
510120	Clip-on sliding shower soap dish clear for bar Ø25&32	142
510120N	Clip-on sliding shower soap dish white Nylon for bar Ø25&32	142
510580	Liquid soap dispenser 1L polished 304 stainless steel	96
510581	Liquid soap dispenser 1L white powder-coated 304 st. steel	96
510582	Liquid soap dispenser 1L 304 stainless steel satin finish	96
510583	Liquid soap dispenser 0.5L polished 304 stainless steel	96
510584	Liquid soap dispenser 0.5L white powder-coated 304 st.steel	96
510586	Liquid soap dispenser 0.5L 304 stainless steel satin finish	96
510587	Replaced by 512066P	-
512066P	Electronic liquid soap dispenser 1L bright pol 304 st steel	96
512066S	Electronic liquid soap dispenser 1L pol satin 304 st steel	96
512066W	Electronic liquid soap dispenser 1L white powder-ctd 304 st st	96
512566P	Electronic liquid soap dispenser 0.5L bright pol 304 st steel	96
512566S	Electronic liquid soap dispenser 0.5L pol satin 304 st steel	96
512566W	Electronic liquid soap dispenser 0.5L white powder-ctd 304 st st	96
517000	Siphon F1 1/4" w. horizontal outlet Ø32 chrome plated brass	99
5445T2S	Twin hole wall mtd sink mixer swivel underspout L200	93
5460N	Straight bar Ø32 +sliding block H1150 white Nylon	137
5460P2	Straight bar Ø32 +sliding block H1150 polished st steel	137
5460S	Straight bar Ø32 +sliding block H1150 st steel satin finish	137
546412	Replaced by 464000	-
547000	Replaced by 564000	-
547005	Replaced by 564005	-
547105	TEMPOFIX 3 frame elec WC 210mm Ø100	159
564000	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø100 wall fix kit1/2	157
564005	TEMPOFIX 3 fr sys WC TEMPOMATIC 230/6V Ø100 self-supp kit1/2	157
564060	TEMPOFIX 3 fr sys WC time flow or bat Ø100 wall fix kit1/2	157
564065	TEMPOFIX 3 fr sys WC time flow or bat Ø100 self-supp kit1/2	157
565065	TEMPOFIX 3 WC Ø100 self-supp fire-retard, TEMPOFLUX 3 kit1/2	165
578090	PEHD sleeve connector 100/90	170
578100	ABS sleeve connector 100/100	170
578110	PEHD sleeve connector 100/110	170
578212	TEMPOFLUX 2 WC 6L single flush for TEMPOFIX 3 fr sys kit 2/2	168
578222	TEMPOFLUX 2 WC 3L/6L dual flush for TEMPOFIX 3 fr sys kit 2/2	168
578230	TEMPOFLUX 2 WC dual flush TEMPOFIX 3 fr sys 70-130mm kit 2/2	169
578300	*TEMPOFIX 3 WC frame wall fix kit (stock then 578305)	-
578305	TEMPOFIX 3 WC frame 10-35 & 70-130mm Ø100 free-stand kit 1/2	168
578400	*TEMPOFIX 3 WC frame 30-60mm Ø100 wall fix (stock thn 578405)	-
578405	TEMPOFIX 3 WC frame 30-60mm Ø100 free-standing kit 1/2	169
578MUR	Wall reinforcements for TEMPOFIX 3 frame system	170
578PMR	TEMPOFIX 3 connection kit, L. 580mm for PMR WC bowl	170
580000	Basin or urinal waste Ø63 M1 1/4" st steel grid + ctrl screw	99
581000	On/Off washbasin waste 1 1/4" stainless steel valve	99
596000	Deluxe chrome plated blanking cap Ø45	-
611	HYGIÉNA waste 1 1/4" concave grid, adaptable slotted lantern	99

REF.	DESCRIPTION	P.
6110	HYGIÉNA waste with concave grid for basins, stainless steel	99
620	Washbasin pop up waste 1 1/4" chrome plated brass	99
621	Chrome-plated hygienic basin waste without water level	99
621W	White hygienic basin waste without water level	99
6712	*Hypereco soap disp elb. ctrl 0.9L wht (whl stk thn 374001)	-
682001	Floor trap 100×100 hard floors adj H integrated outlet Ø40	143
682001UK	Floor trap 100×100 hard floors adj H horiz elbow outlet Ø43	143
683001	Floor trap 150×150 hard floors adj H integrated outlet Ø40	143
683001UK	Floor trap 150×150 hard floors adj H horiz elbow outlet Ø43	143
683002	Floor trap st steel grid Ø114 vinyl floors integ. outlet Ø40	143
683002UK	Floor trap st steel grid Ø114 vinyl floors elbow outlet Ø43	143
684000	Floor trap with grid 140×140 - vertical outlet Ø40	143
705000	Connection washer Ø32/55 with clamp for WC	170
705028	Connection washer Ø28/55 with clamp for WC	170
709000	Recessed vandal proof ROUND shower head M1/2"	133
710500	Wall mounted soap dish Bayblend® chrome plated matt	142
710501	Wall mounted soap dish Bayblend® chrome plated bright	142
712000	TONIC JET vandal proof recessed shower head M1/2"	133
712000GR	Replaced by 712000	-
714BE	Scale resistant nozzle w conical spray, tamperproof-M24×1.25	133
729008	*Soap disp strt spout 1L btl, chr brass (whl stk thn 729064)	-
729012	*Soap disp curved spout 1L btl, chr brass(whl stk thn 729064)	-
729064	Soap disp w. cart, straight spout 1L bottle, stainless steel	97
729108	*Soap disp. strt spt tube L1200, chr brass(whl stk thn729164)	-
729112	*Soap disp crvd spt tube L1200, chr brass(whl stk thn 729164)	-
729150	*W-mtd soap disp c-wall 190, chromed (whl stock then 729170)	-
729164	Soap disp w. cartridge straight spout, tube L. 1200 st steel	97
729170	Wall-mtd soap disp with cartridge, c-wall 190mm, st steel	97
729302	Repair kit for soap dispenser type 729150/729012	205
729303	Cartridge for soap dispenser type 729150/729200	205
729308	Cartridge for soap dispenser type 729008	205
729312	Cartridge for soap dispenser type 729012	205
729508	*Soap disp strt spt 0.5L btl chr brass(whl stk then 729564)	-
729512	*Soap disp crvd spt 0.5L btl, chr brass (whl stk then 729564)	-
729564	Soap disp w. cartridge, straight spout 0.5L bottle, st steel	97
730802.2P	Discontinued	-
730803.2P	Discontinued	-
730804.2P	*2 × Angled isolating ballvalves for PREMIX 1 1/4" (while stk)	-
731002	PREMIX COMFORT 55 group thermostatic mixer M3/4" 55lpm	145
731003	PREMIX COMFORT 90 group thermostatic mixer M1" 90lpm	145
731004	PREMIX COMFORT 140 group thermostatic mixer M1 1/4" 140lpm	145
731005	PREMIX COMFORT 190 group thermostatic mixer M1 1/2" 190lpm	145
731052	PREMIX SECURITY 55 group thermostatic mixer M3/4" 55lpm	145
731053	PREMIX SECURITY 90 group thermostatic mixer M1" 90lpm	145
731054	PREMIX SECURITY 140 group thermostatic mixer M1 1/4" 140lpm	145
731055	PREMIX SECURITY 190 group thermostatic mixer M1 1/2" 190lpm	145
731200	PREMIX COMFORT T2 group thermostatic mixer M3/4" 55lpm	145
731300	PREMIX COMFORT T3 group thermostatic mixer M1" 90lpm	145
731400	PREMIX COMFORT T4 group thermostatic mixer M1 1/4" 140lpm	145
731500	PREMIX COMFORT T5 group thermostatic mixer M1 1/2" 190lpm	145
732012	PREMIX NANO thermostatic mixer 3/8" nickel body	103
732016	PREMIX NANO thermostatic mixer 3/8" chromed body	103
732115	PREMIX NANO thermostatic mixer Ø15mm nickel body WF	103
732115MEC	PREMIX NANO thermostatic mixer Ø15mm nickel body MECHLINE	103
732116	PREMIX NANO thermostatic mixer Ø15mm chromed body WF	103
732125	PREMIX NANO thermostatic mixer Ø15mm nickel body	103
732126	PREMIX NANO thermostatic mixer Ø15mm chromed body	103
732216	PREMIX NANO thermostatic mixer 3/8" chromed body	103
732230	PREMIX NANO tmv 3/8" chrome-plated + union kit PEX L.300	103
732515	Connection kit PEX L300 for PREMIX NANO 732216	205
733015	PREMIX COMPACT thermostatic mixer M1/2" rough cast body	103
733016	Replaced by 733015	-
733020	PREMIX COMPACT thermostatic mixer M3/4" rough cast body	103
733021	Discontinued	-

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.
733115	PREMIX COMPACT thermostatic mixer M1/2" Ø15mm rough body WF	103
733116	PREMIX COMPACT thermostatic mixer M3/4" Ø15mm rough body WF	103
733125	PREMIX COMPACT thermostatic mixer M1/2" Ø15mm rough body	103
733126	PREMIX COMPACT thermostatic mixer M3/4" Ø15mm rough body	103
734100	TEMPOGENOU angled MM1/2" lever L350 ~7sec	102
735000	TEMPOGENOU inline MM1/2" stud nut lever L350 ~7sec	102
735400	TEMPOGENOU inline MM1/2" lever L350 ~7sec	102
735447	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp. fittings	-
73544715	TEMPOGENOU inline MM1/2", lever L350 ~7sec comp fit + olives	102
736001	MONOFOOT floor mounted pedal operated valve MM1/2" stud nut	102
736101	MONOFOOT floor mounted pedal operated vlv MM1/2" without nut	102
736102	MONOFOOT wall mounted pedal operated vlv MM1/2" without nut	102
739000	Replaced by 739100	-
739100	MIXFOOT floor mounted pedal operated mixer MM1/2" w-out nut	102
739102	MIXFOOT wall mounted pedal operated mixer MM1/2" without nut	102
743305	TEMPOSTOP cross wall/lever basin/urinal cartridge ~7sec	205
743622	TEMPOFLUX 2 WC 3/4" recessed cartridge/frame 10-35mm ~7sec	205
743623	Replaced by 743622	-
743677	TEMPOFLUX 2 WC 3/4" recessed/frame 30-60mm cartridge ~7sec	205
743732	Repair kit for PREMIX NANO	-
743765	Replaced by 763MODEC	-
743792	Thermostatic cartridge for shower mixer	204
748057	Replaced by 2591	-
748058	Replaced by D275065	-
748065	Replaced by D275065	-
753005	Repair kit TEMPOSTOP basin/urinal ~7sec - until 2022	-
753256	Renovation pack for mixer with swivel spout from 06/19	204
753730	Maintenance kit for PREMIX COMFORT 3/4" or 1"	205
753733	Repair kit for PREMIX COMPACT	205
753735	Maintenance kit for PREMIX COMFORT 1 1/4" and 1 1/2"	205
753736	Repair kit for MONOFOOT	-
753739	Repair kit for MIXFOOT	-
753750	Maintenance kit for PREMIX SECURITY 3/4" or 1"	-
753755	Maintenance kit for PREMIX SECURITY 1 1/4" and 1 1/2"	-
762150	TEMPOFLUX 2 WC cross wall 140 flush valve M3/4" Ø25 ~7sec	167
762571	Discontinued	-
762572	Discontinued	-
762901	TEMPOFLUX 2 WC rec vlv M3/4" with box ~7sec single flush	167
762902	TEMPOFLUX 2 WC rec valve M3/4" with box ~7sec dual flush	167
763000	TEMPOFLUX 3 WC F3/4" recessed AB, satin, 3L/6L, kit 2/2	162
763040	TEMPOFLUX 3 WC recessed AB, chromed, 3L/6L, kit 2/2	162
763041	TEMPOFLUX 3 WC F3/4" recessed valve AB, single flush, kit 2/2	162
763300	TEMPOFLUX 3 recessed 3/4" WC valve AB side control	166
763BOX	TEMPOFLUX 3 WC 3/4" valve recessed AB, 3L/6L, kit 1/2	162
763MODEC	Start-up module & time flow cartridge TEMPOFLUX 3	205
763MODEV	Start-up module, cartridge & sol. valve TEMPOMATIC WC	203
763PIM	Satin st st plate for TEMPOFLUX 3 WC recessed AB	-
763PMM	Metal plate for TEMPOFLUX 3 WC recessed AB	-
769400	Recessed/cross wall PVC elbow flush tube Ø32	170
769500	Rec/c-wall PVC elbow flush tube + connection washer Ø32/55	170
790152	Aluminium extension for shower panel	142
790153	Stainless steel telescopic extension for shower panel	142
790BOX	Recessed waterproof box for shower mixer - Kit 1/2	-
792320	SECURITHERM therm alu panel top inlets ~30sec handset +fixed	124
792324	*SECURITHERM therm SS shwr panel top inlet (stock thn 79239015)	-
792330	SECURITHERM therm alu panel rear inlet ~30sec handset +fixed	124
792334	*SECURITHERM therm SS pan.handset + fixed(whl stk thn792344)	-
792344	SECURITHERM st steel therm sh panel top inlets + handspray	125
792354	Replaced by 792344	-
792380	SECURITHERM therm alu sh panel hidden inlets handset + fix	124
792390	SECURITHERM therm alu sh panel top inlets handset + fix	124
79239015	SECURITHERM alu shower panel top inlets Ø15 handset + fix	124
792400	SECURITHERM therm alum shower panel 6V battery-op top inlets	122
79240015	SECURITHERM therm alu sh panel 6V battery-op top inlets Ø15	122

REF.	DESCRIPTION	P.
792403	*SECURITHERM st.s thrm pnl 6V batt tp inlt (stck thn 792504)	-
792404	Replaced by 792504	-
79240415	Replaced by 792504	-
792406	Replaced by 792404	-
792410	SECURITHERM therm alum shower panel 6V batt-op back inlets	122
792413	Replaced by 792514	-
792414	Replaced by 792514	-
792416	Replaced by 792414	-
792410UK	SECURITHERM therm alu shower panel UK 6V batt-op back inlets	122
792504	SECURITHERM st st therm shower panel 230/6V top inlet +soap	123
792514	SECURITHERM SS therm shower panel 230/6V back inlets + soap	123
801	Single jet shower kit with bar Ø22mm	136
803	5 jet shower kit with bar Ø25mm	136
806	Single jet shower kit with bar Ø25mm	136
807792	Removable push-fit rapid STOP connector FM1/2" for sh panel	141
808B.25P	25 × blue disposable shower kits L.0.85m	136
808Y.25P	25 × yellow disposable shower kits L.0.85m	136
809B.25P	25 × blue disposable shower kits L.1.50m	136
809Y.25P	25 × yellow disposable shower kits L.1.50m	136
811	Single jet shower head M1/2" chrome Ø70mm, scale resistant	138
811610.2P	2 × Copper tails M10 × 1 L337mm	105
811611.2P	2 × Copper tails M11 × 1 L337mm	105
811612.2P	2 × Copper tails M10 × 1 L363mm	105
813	5 jet shower head M1/2" chrome Ø100mm, scale resistant	138
815	Single jet shower head M1/2" Ø100mm, scale resistant	138
816	Twin jet shower head M1/2" with inverter, scale resistant	138
820	Chrome rail Ø22 can be cut, with soap dish 590mm centres	137
820022	Discontinued	-
820023	Discontinued	-
820024	Discontinued	-
820025	Discontinued	-
820026	Discontinued	-
820122	Discontinued	-
820122N	Push-fit union F22/100 for BIOFIL tap filter	23
820123	Push-fit union M1/2" for BIOFIL tap filter	23
820124	Discontinued	-
820124N	Push-fit union M24/100 for BIOFIL tap filter	23
820125	Push-fit union M24×125 for BIOFIL tap filter	23
820126	Discontinued	-
820126N	Push-fit union M16.5×100 for BIOFIL tap filter	23
821	Chrome rail Ø25 can be cut, with soap dish 602mm centres	137
821122	Anti-vandal union F22/100 for BIOFIL tap filter	23
821123	Anti-vandal union M1/2" for BIOFIL tap filter	23
821124	Anti-vandal union M24/100 for BIOFIL tap filter	23
821125	Anti-vandal union M24/125 for BIOFIL tap filter	23
826315	Back-nut F1/2" 4mm thick with 3 screws and washer	101
830	Shower head retaining collar for bars Ø 25-35mm	142
830T1	Black polyamide flexible shower hose L1.5m	139
832T1	Double interlock non-twist flexible metal shower hose L. 1.5m	139
834T1	Metalloplastic BICOLOR PVC smooth flexible hose L1.5 m	139
834T2	Metalloplastic BICOLOR PVC smooth flexible hose L2.00 m	139
834T3	Metalloplastic BICOLOR PVC smooth flexible hose L0.85 m	139
834T4	Metalloplastic BICOLOR PVC smooth flexible hose L1.2 m	139
835T1	Black nylon flexible for sink hand spray L1.5m	139
836T1	Reinforced PVC SILVER flexible shower hose L1.5m	139
836T3	Reinforced PVC SILVER flexible shower hose L0.85m	139
837T4	Transparent flexible hose L 1.60m for retracting hand spray	139
841315	Chromed backplate elbow MF1/2"with stud nut Ø14	141
845	Adjustable shower head holder, chrome-plated	142
845527.2P	Discontinued	-
847327.2P	Replaced by 855755UK.2P	-
850	Shelf for dual control thermostatic shower mixers	142
855027.2P	Discontinued	-
855755.2P	2 × STOP/CHECK unions M1/2"-M3/4", offset 12mm	140

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.
855755UK.2P	2 × STOP/CHECK unions M1/2"-M3/4" inline	140
856027.2P	2 × S union M1/2" M3/4" with cover plate, offset 12mm	140
856127.2P	2 × S union M1/2" M3/4" with cover plate, offset 11mm	140
856794.2P	2 × S union M1/2" M3/4" with cover plate, offset 11mm	140
857027.2P	2 × S union M1/2" M3/4" with cover plate, offset 21mm	-
865127.2P	2 × Pillar unions M1/2" M3/4", without nut H64	141
868121	Wall mounted elbow outlet MM1/2" H33 for shower	-
868126	Wall mounted elbow outlet for showers	141
870027.2P	2 × Deluxe pillar unions M1/2" M3/4", H70 Ø14	141
880	Auto-draining device for shower mixers	140
900010	Non-return valve for 3/8" connections	202
9102	Wall mounted safety eye wash with bowl	198
9108	Horizontal safety wall mounted shower	198
9120C	Wall-mounted single spray eye wash + identification sign	199
9121	Wall-mounted dual spray eye wash + identification sign	199
9140C	Deck-mounted single spray eye wash + identification sign	199
9141	Deck-mounted dual spray eye wash + identification sign	199
91AA75	Safety aerator covers for eye wash	199
9201	Safety free standing eye wash with bowl	198
9203	Safety free standing eye wash and shower combination	197
921022.2P	2 × Star shaped flow straightener F22×100	202
921022.50P	50 × Star shaped flow straightener F22×100	202
921024.2P	2 × Star shaped flow straightener M24×100	202
921024.50P	50 × Star shaped flow straightener M24×100	202
922022.2P	2 × Eco flow straightener adjustable flow rate F22×100	202
922024.2P	2 × Eco flow straightener adjustable flow rate M24×100	202
9225	Safety shower head	199
922640	BIOSAFE outlet with flow straightener holder and flat seal	202
922660	BIOSAFE threaded outlet for 2920 and 266× ranges	202
923022	BIOSAFE outlet with collar F22×100, 5L	202
923022.50P	50 × BIOSAFE outlet with collar F22×100, 5L	202
923024	BIOSAFE outlet with collar M24×100, 5L	202
923024.50P	50 × BIOSAFE outlet with collar M24×100, 5L	202
926024	BIOSAFE outlet with collar M24/100 for 2620 range	202
941120	Wall mounted fixed L-shaped spout M1/2" L120 - H60 adj FS	101
941922	Wall mtd L-shaped spout for panels 1-10mm M1/2" L120 H60 FS	101
942040	Spout for cross wall 30mm M1/2" L75 flow straightener	101
942200	Discontinued	-
943150	Swivelling under spout L. 150mm, F3/4"	202
943151	Fixed under spout L. 150mm F3/4"	202
943200	Under spout L200 F3/4"	202
943200100M	Tubular swivel spout Ø22, H.105 L.200mm nut 3/4" (for 2519)	202
943200110	Tubular swivel under spout Ø22 L200mm, nut 3/4" and brass FS	-
943300110	Tubular swivel under spout Ø22 H.80 L.300mm, nut 3/4"	202
947120	Wall mounted fixed spout M1/2" L.110 H16 Ø32 adjustable FS	101
947135	Wall mtd fixed spout M1/2" L120 H16 Ø32 adj FS + plate Ø60	101
947151	Fixed spout for walls 165mm M1/2" L120 Ø32 adjustable FS	101
947157	Fixed spout for walls 165mm M1/2" L170 Ø32 adjustable FS	101
947170	Wall mounted fixed spout M1/2" L160 H16 Ø32 adjustable FS	101
947185	Discontinued	-
947200	Fixed under spout L.200mm F3/4"	202
9630	Securitouch Securitherm therm seq shower mixer, w/o unions	110
963150125F	Swivelling tubular over spout Ø 22, H.105 L.150 nut 3/4"	202
963150923F	Tube swivel spout Ø22 BIOSAFE open flow outlet H100 L150mm	202
963200145F	Tubular swivel overspout Ø22, H.135 L.200mm nut 3/4"	202
963200245F	Tubular swivel overspout Ø22, H.230 L.200mm nut 3/4"	202
963200923F	Discontinued	-
963300145F	Tubular swivelling overspout Ø22, H.130 L.300mm, nut 3/4"	202
963300245F	Tubular swivel overspout Ø22, H.230 L.300mm, nut 3/4"	202
967152	Swivel swan neck spout M1/2" L150 H120 adj flow straightener	101
967202	Swivel swan neck spout M1/2" L200 H200 adj flow straightener	101
9741	SECURITHERM Securitouch therm. shower mixer, w/o unions	116
9741TET	Ceramic head 1/2" 1/4 turn for SECURITHERM	204
981142	Fixed cast spout M1/2" L140 H120 adj flow straightener	101

REF.	DESCRIPTION	P.
983615	*ECONOMIX standard themostatic mixer 15/3	-
983622	*ECONOMIX standard themostatic mixer 22/3	-
990123	2 × Lithium batteries 3V type 123A for elect unit 495446BC	203
990223	Lithium battery 6V type 223 for units 479446, 490446, 492446	203
993615	*ECONOMIX combi themostatic mixer 15/3	-
993622	*ECONOMIX combi themostatic mixer 22/3	-
999049	4 × Vandal proof screws TORX M5×25 + pegs	-
A22D75	Safety aerator F22/100 for safety hand sprays	199
A22LY75	Safety aerator F22/100 for eye wash	199
BA9915	*2 × 15mm Combi angled inlet assembly (while stock)	-
C151AH75	2 × Connectors with non-return valve FM3/8"	141
C282025	2.5mm Allen key to adjust flow rate on Eco flow straightener	202
C291AH75	2 × Connectors with non-return valves FM1/2"	141
CEL378150V	Detector + L1.50m cable for BINOPTIC, TEMPOMATIC 2	203
CEL378499V	Detector + L5m cable for BINOPTIC, TEMPOMATIC 2	-
CEL378V	Detector + L0.70m cable for BINOPTIC, TEMPOMATIC 2	203
CF	*Adjustable nozzle M24×1.25 - 10 lpm (while stock then DP)	-
D273015	Deck mounted tap MM1/2"	-
D275058	Bed pan push button operated hand spray with stopcock	176
D275065	Bed pan trigger hand spray with flow straightener, stopcock	176
D276020	Wall mounted tap for washing machines M1/2", M3/4"	-
DP	Rain effect comfort diffuser, vandal proof, M24×1.25	133
FLEXPEX2	2 × PEX Flexible connector M10×1 F3/8" L.420mm	105
FLEXPEX3	2 × PEX flexible connector M10×1 F3/8" L525mm	105
FLEXPEX4	2 × PEX flexible connector M10×1 F3/8" L660mm	105
FLEXPEX6	2 × PEX flexibles, rotatlng L.467mm	105
H9600	SECURITHERM therm sequential basin mixer H.95 L.120 no waste	42
H96001	Therm seq basin mixer H.95mm L.120mm, no waste, no stopcocks	42
H960015	Therm seq basin mixer H.95 L.120, lever L.146, 15mm no waste	42
H960015L	*Therm seq basin mixer H.95 L.120, 15mm (whl stk then H960015)	-
H9600610	Therm seq basin mix H95 L120 lever L146 copper tail no waste	42
H9600610L	*Therm basin mix H95 L120 copper tail (whl stk then H9600610)	-
H9601	SECURITHERM therm sequential basin mix H.95 L.120 with waste	42
H9605	SECURITHERM therm sequential BIOCLIP basin mixer H95 L120mm	40
H96051	SECURITHERM seq BIOCLIP basin mixer H.95 L.120 no stopcocks	40
H960515	SECURITHERM seq BIOCLIP basin mixer H.95 L.120 L.146, 15mm	40
H960515L	SECURITHERM seq BIOCLIP basin mixer H.95 L.120 L.100, 15mm	40
H9605610	SECURITHERM seq BIOCLIP basin mix H95 L120 lever L146 copper	40
H9605610L	SECURITHERM seq BIOCLIP basin mix H95 L120 lever L100 copper	40
H9610	SECURITHERM therm seq mix disp BIOCLIP spt offset SC c-c 150	89
H9610S	SECURITHERM therm seq mix disp BIOCLIP spt offset std c-c150	89
H9611	SECURITHERM therm seq mixer SS BIOCLIP spt offset SC c-c 150	89
H9611P	SECURITHERM therm seq mix SS BIOCLIP spt inline SC c-c 150	89
H9611S	SECURITHERM therm seq mixer SS BIOCLIP spt inline SC c-c 150	89
H9612	SECURITHERM therm sink mixer swvl spt/ret spray, short lever	77
H9613	SECURITHERM therm sink mixer +column with retracting handset	80
H9614P	SECURITHERM seq mixer st st BIOCLIP spout c-c 200 inline SC	89
H9615	SECURITHERM therm seq mixer st steel BIOCLIP spout w columns	89
H9620	SECURITHERM thermostatic sequential sink mixer H.160 L.140	68
H96201	SECURITHERM sequential sink mixer H.160 L.140, no stopcocks	68
H962015	SECURITHERM sequential sink mixer H160 L140 lever L146 15mm	68
H9620610	SECURITHERM sequential mixer H.160 L.140 lever L.146 copper	68
H9625	SECURITHERM therm sequential BIOCLIP sink mixer H.160 L.140	68
H96251	SECURITHERM seq BIOCLIP sink mixer H.160 L.140 no stopcock	68
H962515	SECURITHERM seq BIOCLIP sink mixer H160 L140 lev L.146, 15mm	68
H9625610	SECURITHERM seq BIOCLIP mixer H.160 L.140 lever L.146 copper	68
H9630	SECURITHERM therm seq shower mix bottom outlet, offset SC	110
H963015	SECURITHERM therm seq shower mixer btm outlet inline SC, 15mm	110
H9630HYG	Auto-drain shower kit with therm seq mixer H9630, offset SC	111
H9630KIT	Shower riser kit with therm seq mixer H9630, offset SC	111
H9630S	SECURITHERM therm seq shower mix btm outlet, offset std	110
H9630SHYG	Auto-drain shower kit with therm seq mixer H9630S offset std	111
H9630SKIT	Shower riser kit with therm seq mixer H9630S, offset std	111
H9631	SECURITHERM waterproof seq rec shower mix, kit 2/2 (+H96BOX)	115

References prefixed by * are available while stocks last. References are listed in ascending alphanumerical order.

REF.	DESCRIPTION	P.
H9631L	SECURITHERM seq rec shower mix, Hyg lever kit 2/2 (+H96BOX)	115
H9632	Replaced by H9631L	-
H9633	SECURITHERM rec waterprf shower mix + elbow, 2/2 (+H96CBOX)	115
H9633L	SECURITHERM rec shower mix + elbow, Hyg lever 2/2 (+H96CBOX)	115
H9634	SECURITHERM thermostatic sequential shower panel back inlets	127
H9635	SECURITHERM therm seq shower panel back inlets + handset	127
H9636	SECURITHERM sequential shower panel flexi inlets w. handset	127
H963615	SECURITHERM sequential shower panel copper inlets w. handset	127
H9639	SECURITHERM sequential therm shower panel flexible inlets	127
H963915	SECURITHERM sequential therm shower panel copper inlets Ø15	127
H9640	SECURITHERM thermostatic seq shower top outlet offset SC	110
H964015	SECURITHERM therm seq shower mixer top outlet inline SC, 15mm	110
H9640S	SECURITHERM thermostatic seq shower top outlet offset std	110
H9641	Discontinued	-
H964115	*SECURITHERM therm. seq. exposed shower kit, 15mm (whl stk)	-
H9642	Remote therm sequential sink mixer for retracting hand spray	80
H96BOX	Waterproof rec box for seq shower mixer no inverter, kit 1/2	115
H96CBOX	Waterproof rec box for seq shower mixer with inv, kit 1/2	115
H9716	SECURITHERM therm sink mixer with swivelling spout H225 L200	69
H9726	SECURITHERM thermostatic basin mixer swivel spout H205 L150mm	53
H9739	SECURITHERM thermostatic shower mixer, offset SC	118
H9739HYG	Auto-drain shower kit with therm mixer H9739, offset SC	119
H9739KIT	Shower riser kit with thermostatic mixer H9739, offset SC	119
H9739S	SECURITHERM thermostatic shower mixer, offset std	118
H9739SHYG	Auto-drain shower kit with therm mixer H9739S, offset std	119
H9739SKIT	Shower riser kit with thermostatic mixer H9739S, offset std	119
H9741	SECURITHERM Securitouch thermostatic shower mixer, offset SC	116
H9741HYG	AD shower kit with Securitouch therm mixer H9741, offset SC	117
H9741KIT	Shower riser kit with Securitouch therm mix H9741, offset SC	117
H9741S	SECURITHERM Securitouch thermostatic shower mixer offset std	116
H9741SHYG	AD shower kit with Securitouch therm mixer H9741S offset std	117
H9741SKIT	Shower riser kit w. Securitouch therm mix H9741S, offset std	117
H9741TP	SECURITHERM Securitouch therm shower mixer, inline SC	116
H9752P	Replaced by H9752S	-
H9752S	SECURITHERM Securitouch therm shower bath mixer, offset std	116
H9769	Replaced by H9741	-

REF.	DESCRIPTION	P.
H9769HYG	Replaced by H9741HYG	-
H9769KIT	Replaced by H9741KIT	-
H9769S	Replaced by H9741S	-
H9769SHYG	Replaced by H9741SHYG	-
H9769SKIT	Replaced by H9741SKIT	-
N009AG75	Ceramic cartridge Ø40 with base plate and flow rate limiter	204
N109AG75	Ceramic cartridge Ø40 with base plate, no flow rate limiter	204
N148AA75	Ceramic cartridge Ø40 no base, no flow rate limiter	204
N201AG75	Ceramic seq cart Ø40 no base, flow limiter for elec. models	204
N222	Ceramic cartridge Ø35 with base, with flow rate regulator	204
N243	Ø35mm ceramic sequential cartridge with base	204
N243I	Sequential Ø 35mm ceramic cartridge with base + link	204
N248AA75	Ceramic cartridge Ø40 no base with flow rate limiter	204
N249AA75	Ø40 ceramic cartridge no base, with flow rate limiter 9 lpm	204
N252	Ceramic pressure balancing EP cartridge Ø40 with base plate	204
N262	Ceramic cartridge Ø35 with EP Pressure Balancing	204
N264	Ø35mm ceramic sequential cartridge with base + collar	204
N421AJ75	Thermostatic cartridge 1/2" NF	-
N434AH75	Cartridge Ø35 without base plate for 3020, 2303 & 2312 range	-
N96	Replaced by N961	-
N960	SECURITHERM therm cartridge for sinks H960× (after 10/2022)	204
N961	SECURITHERM therm cart for sinks H961× (after 10/2022)	204
N962	Thermostatic cartridge for recessed sequential mixer	204
N963	SECURITHERM therm cart for showers H9630/40, (after 10/2022)	204
N9630	Replaced by N963	-
N96L	Replaced by N960	-
N9726	Thermostatic cartridge for SECURITHERM basin H9726	204
N9769	Thermostatic cartridge for SECURITHERM H9769	204
N97L	Thermostatic cartridge for SECURITHERM shower H9739/S	204
N97LR	Thermostatic cartridge for SECURITHERM shower H9741/52S	204
NS262	Ceramic cartridge Ø35 with base plate	204
NSB262	Ø35mm ceramic cartridge with base and centering ring	204
P120AA75	*Guided washer head Ø22.5 + cover (5800 range) (whl stk)	-
P482AJ75	Ceramic head 1/2" 1/4 right turn	205
P9775	Discontinued	-

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 the 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. Charges and risks incurred from the transfer of merchandise depend on the Incoterm used for the commercial transaction. 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 72 hours. A copy of this letter must be addressed to us.

CLAIMS:

No claim will be allowed where the delay in reporting exceeds 7 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 finished goods delivered after 1st January 2024 are warrantied against any manufacturing defect for a period of 30 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. Spare parts have a one-year warranty.
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.
To invoke the warranty, the customer must immediately notify us in writing of the defects attributed to the product, specifying the conditions of use in place at the time of their discovery and provide us with all relevant material elements demonstrating the existence and nature of the defect.
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.
- errors, carelessness, negligence or incorrect information from the client;
- 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.
The supplier's civil liability is excluded in all cases listed above. It is limited to compliance with the specifications and can only be initiated if the Customer has previously demonstrated the existence and extent of damage, a fault and the causal link between this fault and the damage.
It is limited to direct material damage, excluding all immaterial or indirect damage such as loss of operation, profit, opportunity, commercial damage, loss of earnings.
The supplier's liability, for all causes except bodily injury and gross negligence, is limited to €750,000 per order or contract.

MEDICAL DEVICES:

DELABIE is obliged to deliver Products that comply with the specifications and quality standards as per REGULATION (EU) 2017/745 of 5 April 2017 on medical devices.
All documentation that is necessary for a reseller to sell the goods and to fulfill the obligations set out to chapter II Art. 14 of 2017/745 MDR (general obligations of Resellers) can be provided by DELABIE upon request (i.e. EU declaration of conformity).
As a reseller, the customer shall maintain a complete and current listing of the locations of all Products in Reseller's inventory and the names of its customers who have purchased Products in the Reseller's inventory and the names of its customers who have purchased products from the Reseller, together with the dates of such purchases and Product lot numbers for at least ten years.
The commercial documentation as well as the ancillary documents, such as the instructions for use, the regulatory labelling and the technical

information, may not be changed or modified by the Reseller. DELABIE cannot be held responsible for any change in the content of the documents and labelling if this is not the case.
The reseller undertakes not to make any changes to the products, either to the device itself or to its packaging or labelling.
As part of its quality system, the Reseller will ensure that, as long as the products are under its responsibility, the storage or transport conditions comply with the conditions defined by DELABIE. This vigilance will focus in particular on expiry dates, with the removal of out-of-date products from the shelves, as well as appropriate storage facilities in which the conditions are those required by the characteristics of the products and best adapted to ensure their proper preservation.
As a reseller, the customer shall within five working days from the date of receipt notify DELABIE or National Authorities (see link below) with any written complaint regarding a Product received from its customers. DELABIE shall provide the Reseller with a preliminary answer within two working days from the date of receipt of the Reseller's notice.
https://health.ec.europa.eu/medical-devices-sector/new-regulations/contacts_en
DELABIE, as the manufacturer of the medical devices is responsible for fulfilling the duties according to chapter VII section 1 and 2 of 2017/745 MDR (post-market surveillance, vigilance).
As a reseller, the customer must support DELABIE in the event of a recall, and shall inform its customers in such a way as to cause the least disruption of the sales of the Products and to preserve the goodwill and reputation attached to the Products and to the names of DELABIE and the Reseller.
DELABIE shall pay in full all costs of retrieval, recall and replacement of the Products (including if such recall or replacement is required by DELABIE).
DELABIE shall maintain adequate records of manufactured Products by batch and lot, including test and laboratory observation data and will provide copies of such records to the Reseller, as may be reasonably necessary in connection with any recall.

SPARE PARTS:

Spare parts and mechanisms that are essential to ensure the correct operation of our products will be held in stock for 50 years from the date of purchase. 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.A.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:

The content (including but not limited to the information, text, graphics, data, images, photos, visuals, videos and soundtrack, and the format of all these elements and our catalogues, websites, etc.) are protected under copyright and/or other intellectual property. The contents are the sole property of their respective editors. Any copying, reproduction, use, adaptation, alteration, modification, translation, dissemination, complete or partial, of content, whether they belong to DELABIE or a third party which has granted the rights to DELABIE, by any means whatsoever, is illegal except for the limiting rights that are granted below, and/or private copying for the exclusive use of the copier. The content presented in our communication and business tools may be subject to change without notice and are provided without warranty of any kind, express or implied, and cannot give rise to any right to compensation. Protected content may be specifically identified by the following copyright notices: © or "All rights reserved".
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PERSONAL DATA PROTECTION:

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 Escarbotin – FRANCE.
To improve our services and for training purposes, calls to DELABIE may be recorded. These recordings will not be retained, and will be systematically deleted within a maximum period of 48 hours.

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.

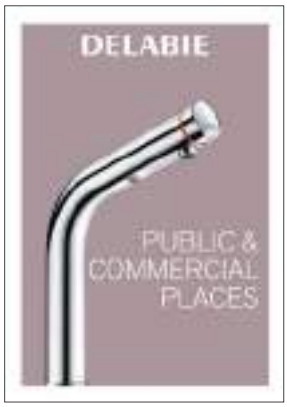
JURISDICTION:

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.

Copy forbidden without our written agreement.

AVAILABLE CATALOGUES:

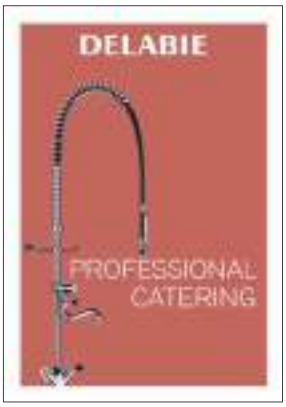
DOC 609INT: Water Controls for Public and Commercial Places
DOC 900INT: Water Controls for Healthcare Facilities and Retirement Homes
DOC 950INT: Accessibility and Independence - Hygienic Accessories for Public and Commercial Places
DOC 750INT: Stainless Steel Sanitary Ware
DOC 200INT: Water Controls for Professional Catering











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DELABIE

30 YEAR WARRANTY

50 YEARS REPAIRABILITY

18, rue du Maréchal Foch
80130 FRIVILLE - FRANCE

DELABIE S.A.S., share capital €999,600 - RCS 615 680 089 Amiens

delabie.com