

# HEALTHCARE

Products for Hospitals, GP Practices,  
Health Clinics and Care Homes

**FRANKE**

Specialising in water saving technology for commercial washrooms, Dart Valley Systems have been producing leading automatic washroom technology for over 30 years.

DVS are a market leader in the field of water saving products, along with automatic washroom solutions for specialist applications, including healthcare, mental healthcare, custodial, retail, leisure, education, airports, public sector markets and more. DVS products have been used reliably in some of the most demanding environments for many years.



HYGIENIC, ECONOMICAL, RELIABLE...

AND SERVICEABLE



## INTRODUCTION

Dart Valley Systems offer a comprehensive range of HTM & HBM compliant products designed with healthcare in mind. Selection of the correct products has been shown to increase hand washing compliance and reduce cross contamination.

DVS have achieved extremely high levels of reliability and value for money. Various Health Building Notes (HBN's) recommend infrared no-touch taps (HBN 26) and WC flushvalves.

The DoH acknowledge that design principals to consider for new and existing healthcare buildings include hands-free operation of utilities; including sensor taps and movement sensors for toilet flushes (HBN 00-09), as well as smooth easy to clean surfaces.

DVS believe that the ease of use also encourages handwashing thus increasing compliance.

For further details about our full product range, please refer to our website at [www.dartvalley.co.uk](http://www.dartvalley.co.uk) or contact our sales team on +44(0)1803 529021

### SITE REF's

Below is just some of DVS's 2016 healthcare customers:

- Royal Edinburgh Hospital NHS Lothian
- Great Ormond Street Hospital NHS
- Morrison Hospital NHS Wales
- Epsom & St. Helier University Hospitals NHS Trust
- Basingstoke & North Hampshire Hospital NHS Foundation Trust
- Hull Royal Infirmary Hull & East Yorkshire Hospitals NHS
- Belfast City Hospital Belfast Health & Social Care Trust
- Ashford & St. Peters Hospitals NHS Foundation Trust
- University Hospitals of Leicester NHS
- Nottingham University Hospitals NHS
- Birmingham Children's Hospital NHS
- Derby Teaching Hospitals NHS Trust

All DVS electronic taps and most sensors are all programmable via the DVS Handheld Programmer, this allows setup to be very quick and very easy to change.

### TAPS, SHOWERS & BATHS

All have adjustable run times that can be set to wave on and time out or wave on and wave off, built-in purge options all fully adjustable, the sensors can also be turned off via the hand set for cleaning and maintenance.

A chlorination option is also available from the handset making chlorination easy with new installations.

For secure applications lock-outs are also available and fully adjustable to suit each application.

All programmable sensors are bi-directional allowing real-time data to be recorded to the handset and uploaded to a PC via the USB interface.



### WE ALSO OFFER INSTALLATIONS & SERVICING...

An experienced team of regionally based City & Guilds certified service and installation engineers allow us to offer our customers the highest standard of installation, alongside comprehensive after sales service, including commissioning.

For more information on our installation and support services or to request a visit from one of our engineers, please contact:

**Servicing**  
[servicing@dartvalley.co.uk](mailto:servicing@dartvalley.co.uk)  
+44 (0)1803 416 147

**Tech Support**  
[techsupport@dartvalley.co.uk](mailto:techsupport@dartvalley.co.uk)  
+44 (0)1803 416 135

5 YEAR  
WARRANTY  
ON ALL DVS  
BRANDED  
PRODUCTS





# AQUARITHERM™ TAPS



## AQUARITHERM™ TAPS

Designed with healthcare environments in mind, the AquariTherm™ range combines infection control features. It also offers simple isolation for quick and easy servicing and stylish aesthetics meeting the needs of healthcare professionals and technical support staff.

The patented isolation feature allows the tap to be removed for servicing or exchange without the need to isolate the water or remove any panels. This feature reduces any down time during servicing or disinfection, with easy to access filters these can be removed replaced or cleaned in a matter of seconds.

As well as unique servicing features, the AquariTherm™ tap is designed with no sharp corners allowing for easy cleaning.

The AquariTherm™ tap is available in either automatic or manual specification, making it ideal for a range of healthcare applications. The automatic specification offers a no-touch solution, with an ergonomic integrated downward facing sensor, with adjustable range and automatic purge facility.

Both the manual and automatic models include a mechanism to ensure that hot water is mixed before being delivered to the users' hands, ensuring there is no 'hot spike' effect for the user of the tap. Additionally the tap body stays cool during use, even with prolonged running of hot water.

## ANTIMICROBIAL OUTLET

Moulded using Biomaster; proven to help reduce harmful bacteria common in healthcare environments, including; Pseudomonas, Legionella MRSA, E.Coli, Listeria, Salmonella and Campylobacter by up to 99.9%.



## AUTO FEATURES

- HTM64 compliant
- Tap body DZR brass
- Ergonomic easy clean surfaces
- Quick and easy to service
- No-touch operation
- No hot surface area
- Adjustable sensing range
- Easy to remove filters & serviceable valves
- Auto purge facility built in
- Reduced hot spikes
- Chlorination setting
- Record real-time data from the Programmable Sensor with the DVS Handheld Programmer see page.24
- Anti-Microbial ABS outlet with unrestricted flow rate



## MANUAL FEATURES

- HTM64 compliant
- Tap body DZR brass
- Ergonomic with easy clean surfaces
- Tap handle positioned further away from the wall than other healthcare taps
- Quick and easy to service
- No hot surface area
- Easy to remove filters & serviceable valves



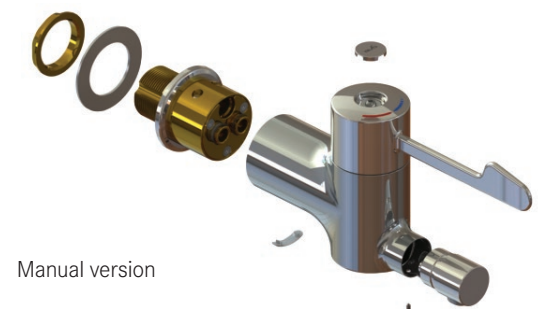
The manual and remote sensor taps feature a removable spout for servicing (above)



## AQUARITHERM™ TAP WITH SEPARATE PROGRAMMABLE SENSOR

- DZR brass tap body
- Ergonomic easy clean surfaces
- No-touch operation
- Easy to remove filters and serviceable valves
- Easily removable tap outlet for cleaning or renewal
- Adjustable run time
- Anti-vandal mode on/off and adjustable time
- Automatic and time adjustable purge
- Chlorination mode
- Record real-time data from the Programmable Sensor with the DVS Handheld Programmer - see page.24
- USB connection to upload real-time data to PC

Easy to remove fully serviceable parts in both the AquariTherm™ Automatic and Manual specifications:



Manual version

## SERVICE KITS

To maintain hygiene and the efficient running of the AquariTherm™ tap, there are 2 service kits available for both manual and automatic specifications:



KIT.1

- 2x Filter cartridges
- 2x Check valves (inserted)
- 1x Flow straightener (unrestricted)



KIT.2

- 1x Thermostatic cartridge





## EZ SPOUT™ RANGE

### EZ SPOUT™

This latest range of modern, minimalistic and highly practical removable spouts are designed for the most demanding healthcare environments. The spout quickly and easily removes for servicing, ensuring minimal disruption. With a 316 Stainless Steel solid body, smooth flow channels and easy to clean shape, the DVS EZ Spout™ maintains high levels of hygiene to reduce cross contamination.

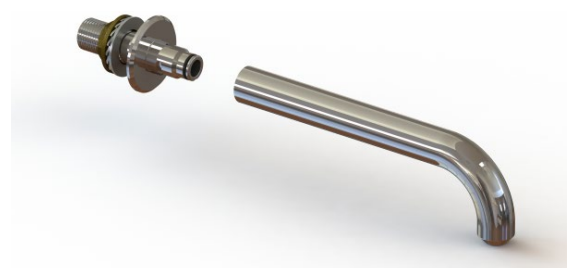


### FEATURES

- Slim, minimalistic, modern appearance
- Versions available with or without outlet
- Easily removable spout body for sterilising
- 316 Stainless Steel body and water way
- Can be used in conjunction with the Programmable Sensor (see page.24)



The twist and lock mechanism ensures quick and easy removal of all DVS EZ Spouts™ from the mounting spiggot for efficient, disruption-free cleaning and maintenance.



### Point-of-Use Filter

There may be certain high risk areas where point-of-use filters may be considered. DVS have specially designed an adaptor to accept point-of-use filters on compatible spouts. Disposable water filters protect against Legionella and other bacteria in the water supply.

The validated 0.2 µm filter membrane protects against Legionella spp, which are known contaminants of hospital water supplies and can lead to nosocomial infections.

### FEATURES

- Quick connection / instant protection
- Validated to 0.2 µm filter membrane
- Individually tested
- Pre-sterilised - ready to use



Featuring anti microbial silver ion technology

## MEDI SPOUT™ RANGE ANTI-MICROBIAL

### MEDI SPOUT™

This latest range of modern, minimalistic and highly practical disposable Anti-Microbial spouts are designed for the most demanding healthcare environments. The spout quickly and easily removes for replacement, maintaining high levels of hygiene whilst causing minimal disruption.

The spouts are made from injection moulded Anti-Microbial ABS using Biomaster silver ion technology.

Biomaster ensures effective antibacterial protection for the effective lifetime of the product, helping to keep surfaces clean and hygienic, and reduces the threat of cross-contamination.

Featuring an open outlet and smooth flow channels, the DVS Medi Spout™ reduces potential areas for biofilm growth.

### FEATURES

- Slim, minimalistic, modern appearance
- Durable chrome plated finish
- Anti-Microbial ABS with added Biomaster silver ion technology for long-term defence against harmful bacteria.
- Open outlet to reduce areas for biofilm growth
- Easy to remove for spout replacement
- Push-fit spiggot and concealed grub screw mechanism
- Can be operated using DVS sensors and Tap Control System (see page.23)



### PUSH-FIT MECHANISM

The push-fit mechanism and secure mounting spiggot ensures quick and easy replacement of all DVS Medi Spouts™ for efficient, disruption-free servicing and replacement.

Once spout body is pushed on to the spiggot, a concealed grub screw is fitted for security.





# CLINICAL TAPS



# SURGEONS SCRUB-UP TROUGHS

## AQUARIUS™ CLINICAL TAPS

Combining the benefits of hygienic no-touch technology with great water saving potential and robust reliable performance, no-touch taps are well suited for a variety of healthcare applications including; hospital washrooms, operating theatres and more.

The two most important aspects of improving hand hygiene is to increase the frequency and improve the effectiveness of hand washing. DVS No-touch taps will help to achieve both of these objectives.

All DVS No-touch clinical taps feature intelligent electronics, enabling a range of adjustable settings, including; sensor detection range, run times and more.

Easy to install, with options for mains or battery operation, no-touch taps allow the user to control water efficiently, conserve energy and reduce costs without sacrificing performance and reliability.

### FEATURES

- Hygienic no-touch operation
- Adjustable settings include; Run-time, sensor, range, lockout, anti-vandal, lockout, automatic purge and more
- Robust 316 Stainless Steel
- Easy installation and servicing
- Ergonomic, easy clean surfaces
- Range of finishes and tail options



### FILTER OPTION

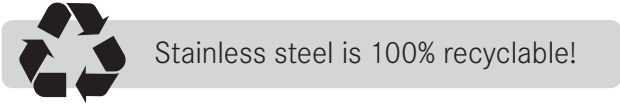
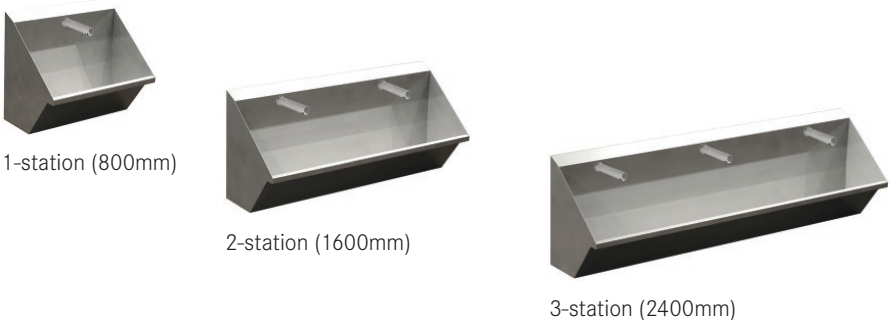
- Quick connection / instant protection
- Validated to 0.2 µm filter membrane
- Individually tested, pre-sterilised and ready to use

## SCRUB-UP TROUGHS

Scrub-up troughs are an essential piece of hospital equipment to enable one or more surgeons and nurses to scrub their hands and forearms.

This range was specifically designed in accordance with the stringent HTM 64 guidelines and is also compliant with the new (HBN) 00-10, Part C document.

The design requirements for the point of discharge in a scrub-up trough relative to the front rim is to ensure that water falls onto the inclined surface of the trough. They should also ensure that there is no water spillage outside of the trough and that there is sufficient activity space for users. Troughs should also be wall hung and fitted with a single waste outlet (left or right handed).



### FEATURES

- Hygienic and vandal resistant design
- Concealed pipework
- Constructed from 1.5mm 316 Stainless Steel
- Available in 1, 2 or 3 station designs
- Specifically designed and developed for use with DVS Aquarius straight taps (see page.7)
- Pre-drilled holes for tap mounting (optional)







Pre-plumbed washroom panels, available in a range of colours and module designs...



## STAINLESS STEEL

### STAINLESS STEEL

Stainless steel has a proven record of success in areas such as hospitals where sanitation and ease of cleaning are so important. Stainless steels hygienic properties, corrosion resistance, strength and formability are important benefits to users in this sector. Its characteristics of having no pores or cracks to harbour dirt, grime or bacteria are another reason why stainless steel meets all the criteria.

The material is robust, easy to maintain and therefore very durable which makes the products economical over the lifetime of the building. Other reasons include:

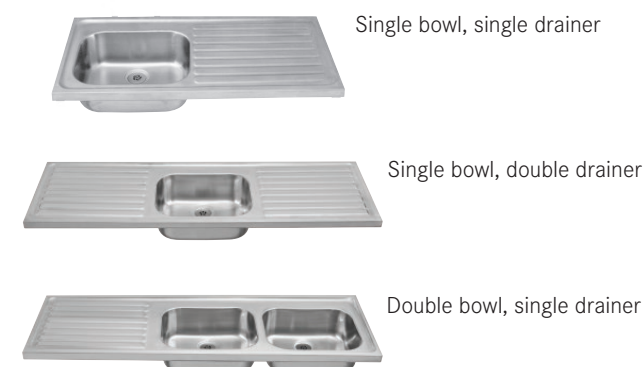
- Resistant to moisture
- Scratches and grooves lose their sharp edges quickly and blend into the surface
- Lasts for the lifetime of the building
- Stainless steel is fully recyclable and made from up to 80% recycled materials

**SCRUB-UP TROUGHS** are an essential piece of hospital equipment to enable one or more surgeons and nurses to scrub their hands and forearms.

HTM64 compliant and manufactured from 1.5mm thick, grade 304 stainless steel with a conventional waste outlet. Available in 3 lengths: 800mm, 1600mm and 2400mm for 1, 2 and 3 users respectively.

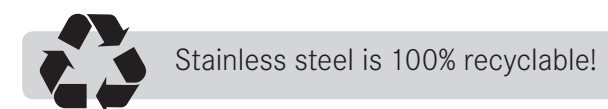


**CLINICAL SINKS** are in line with the Department of Health recommendation of sinks that can be used in hospital applications, the below types are available:



Manufactured from 1.2 mm thick, grade 304 stainless steel with a satin polish finish. To prevent the harbour of dirt, germs and bacteria, all models are without overflow. The bowls are prepared for a 38mm waste outlet and can be supplied with a flush grated waste as an extra. Stainless steel wall brackets or front leg supports can be supplied. Also available with or without tap holes.

**A wide range of stainless steel sinks and wash basins are available- please see separate FRANKE healthcare catalogue.**



## PRE-PLUMBED PANELS

### PRE-PLUMBED PANELS

DVS offer an extensive range of washroom pre-plumbed panels and standard boxed out panels for most applications or can be manufactured to order. Various colour options are available with lift off or hinged panels, and can also be supplied with locks or security screws.

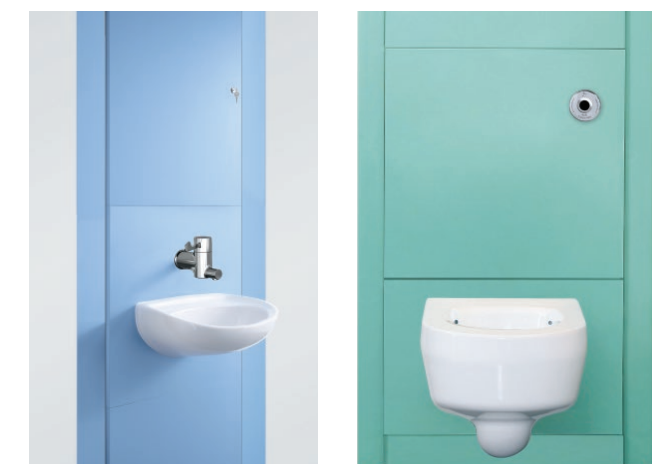


Boxed out module

Aperture module

### FEATURES

- Robust, 16 gauge self supporting steel frame
- Adjustable for height, plumb and level
- Steel wall and floor fixing channels
- Abuse resistant sanitised antibacterial compact grade laminate panels - available in a variety of colours
- AccessPlus™ pivoting and lockable access panels
- Post formed compact grade laminate vertical panelling
- Suitable for heavy use and wet environments
- Various modules available including; boxed-out, aperture, between walls and corner installations



Between walls module

Between walls WC flush module





## WC FLUSHVALVE



### WC FLUSHVALVE

One of the most contaminated parts in a hospital is the WC flush handle or button. The DVS flushvalve is no-touch wave operated or can be fully automatic helping to reduce the very high risk of cross contamination in these areas. It also uses on average 30% less water than a standard WC flush.

The WC flushvalve is also used in many hospitals for activating the flush on sluice sinks.



#### FEATURES

- WRAS approved 4 litre single flush
- Typical 30% savings on water costs
- Hygienic no-touch operation (other options available)
- Adjustable settings for optimum flush, lock-outs, purge facility and more
- Easy to install and no maintenance required
- Suitable for use with sluice sinks - to provide no-touch flushing and significantly reduce the risk of cross contamination



Available in a range of sizes and featuring industry standard fittings, DVS cistern kits cater for various applications.

## WC CISTERN KITS

### STANDARD & TALL CISTERN

Concealed standard and tall plastic cisterns, 6L volume, with secure fitting lids, available as stand alone or complete kits. Easy to install and comes in standard 1½" or 2" versions.

The tall cistern is ideal for where confined space or limited space is available.



#### KIT

- WRAS approved side entry filling valve
- Optional BREEAM delayed action side entry valve also available
- 1½" or 2" options available
- Kit contents; cistern, inlet valve, flushpipe and fitting for back of pan



### CONCEALED CISTERN

Compact concealed plastic cistern with lid, available as stand alone or a complete kit.

Comes in standard 1½" version only. Also available with outlet for urinal flushing systems (1½" to 1").



#### KIT

- WRAS approved side entry filling valve
- Optional BREEAM delayed action side entry valve also available
- Kit contents; cistern, inlet valve, bracket, flushpipe and fittings for back of pan







**DVS SHOWER HEADS ARE ROBUST, STYLISH, ANTI-MICROBIAL AND OFFER AN AVERAGE 50% WATER SAVING...**




# SHOWERS STAINLESS STEEL ...DURABILITY & STRENGTH

## DVS SHOWERS

A wide range of sensors, control systems, shower heads and showers combine to create water efficient showering for a wide range of environments, from anti-ligature products to robust showers designed for heavy traffic areas.

Average savings of up to 50% can be achieved using DVS showers.

Major client sectors include NHS Estates, HMP Estates, Education and Local Authorities.

## SHOWER TOWERS

DVS shower towers have a choice of either programmable / wave-on sensor, tactile switch or push button (self-closing) operation, offering energy efficiency and water saving benefits.

Electronic operation controls are supplied with pre-set settings but can be customised quickly and easily.

The towers are supplied pre-plumbed with valves safely housed within the tower casing.

## FEATURES

- Designed for high security applications
- Robust 1.5mm 316 Stainless Steel construction
- Wave-on, tactile or push button operation
- Easy installation
- Available sloped top or ceiling height with or without TMV
- One piece Anti-Microbial ABS shower outlet (4 different flow rates available)

Also available in white powder coated finish



Ceiling height shower tower



Stainless Steel is 100% recyclable

## CONTROL OPTIONS >

Controls to suit all applications, available on both shower towers



Sloped top shower tower



Programmable sensor (featured)



Tactile sensor



Self-closing push button



## PRE-PLUMBED

- Copper pipework
- Ceiling height model available with or without TMV3



## HEAD, RAIL & HOSE KIT

The ceiling height shower tower is also available with a complete shower head, rail and hose kit, which is operated via Dart Valley's standard wave-on sensor.

The shower head, rail and hose kit (without shower tower) is also available separately, for existing direct pipework installations.

## FEATURES

- Robust 1.5mm 316 Stainless Steel construction
- Easy shower head height adjustment
- Head, rail and hose chrome plated finish
- Pre-plumbed system
- Polished wave-on shower sensor



Shower head, rail and hose kit

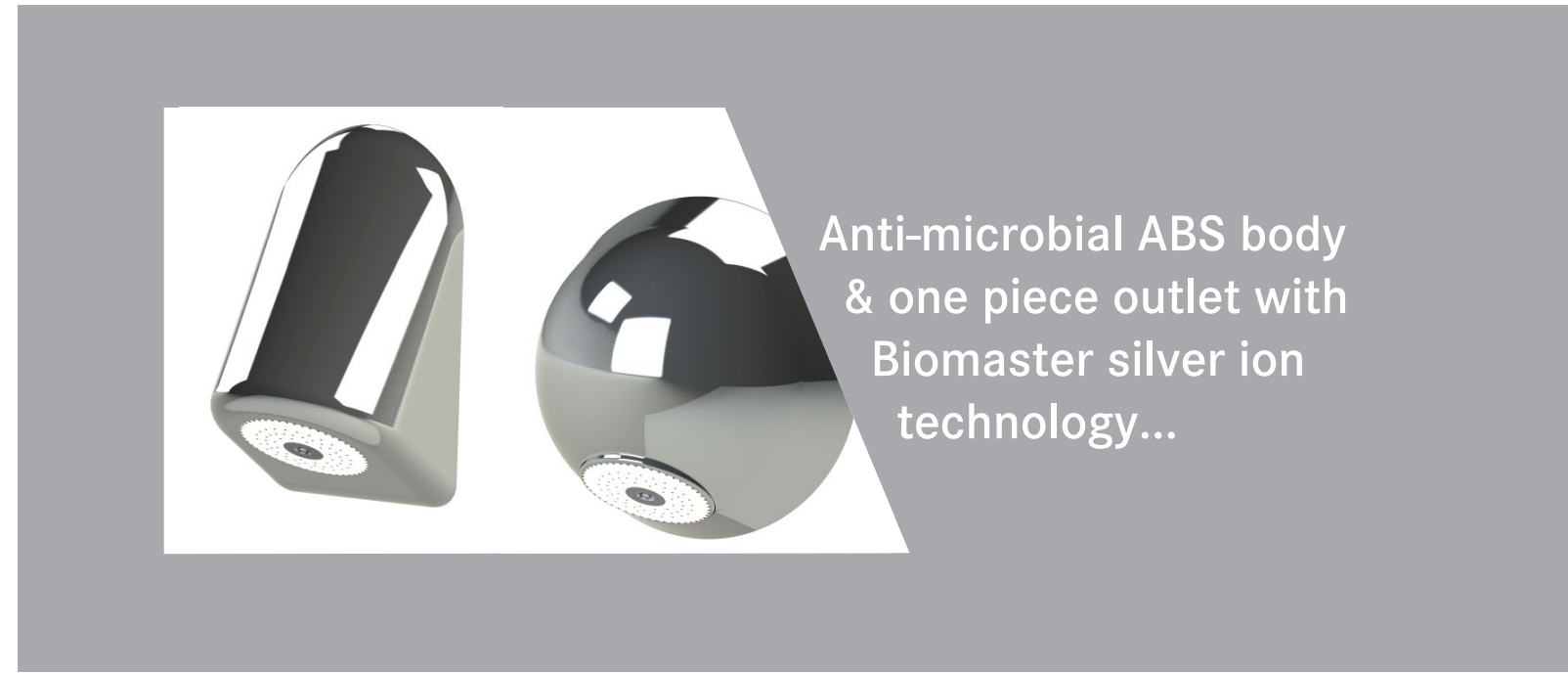
<< Ceiling shower tower complete with head, rail and hose kit operated by the DVS wave-on sensor



## WAVE-ON SENSOR

- Hygienic no-touch operation
- Polished 50mm chrome bezel
- High performance and reliability





Anti-microbial ABS body  
& one piece outlet with  
Biomaster silver ion  
technology...

## DUAL OUTLET SHOWER

## SHOWERHEADS

### DUAL OUTLET TOWER SHOWER

Featuring a dual outlet, this means that assisted and unassisted showering can be achieved, making it well suited to high security healthcare applications. Switching between outlets is quick and easy due to the in-built automatic diverter valve.

#### Assisted mode

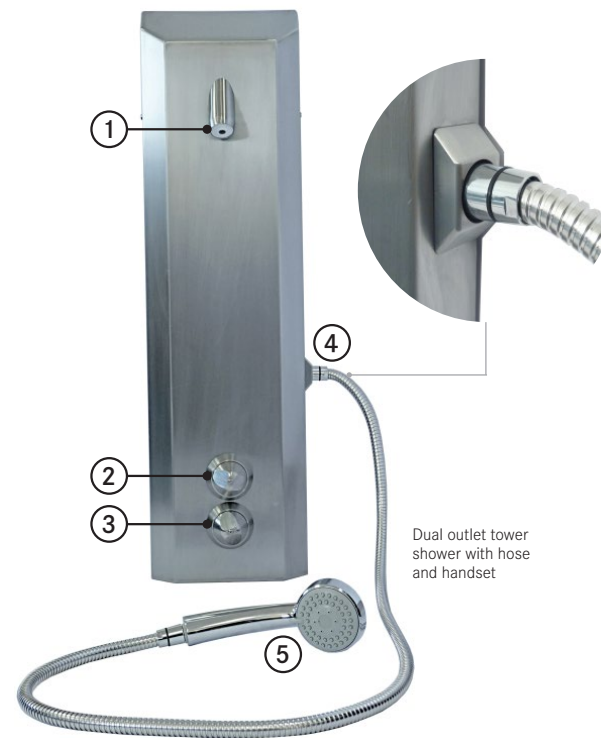
Attach the 2m hose and handset to the side outlet, in-built diverter valve will switch over automatically.

#### Unassisted mode

Utilising the fixed anti-ligature shower head only attached to the top of panel.

### FEATURES

- Designed for high-security healthcare applications
- Tamper proof
- Ligature resistant controls
- High impact resistance
- Robust 1.5mm (front) and 2mm (back) 316 Stainless-Steel Construction
- Detachable hose and handset
- Auto switch over when hose and handset are attached
- Easy to install
- Pre-plumbed rigid copper pipework
- Powder coated white version also available



### KEY

- 1 Anti-ligature S/S shower head
- 2 ON/OFF and flow control
- 3 Temperature control
- 4 Dual/secondary outlet
- 5 Detachable head and hose

To view the full DVS  
showers range visit:  
[www.dartvalley.co.uk](http://www.dartvalley.co.uk)

### SHOWER HEADS

DVS offer various high security solutions that are robust, attractive and easy to install. Both wall and ceiling mounted options are available, and all feature the One-piece anti-microbial ABS outlet using Biomaster silver ion technology.

Models can be used in conjunction with the Shower Control System. The below showerheads are intended for installations where everything except the showerhead and sensor are concealed behind a wall or panel.

#### 316 STAINLESS STEEL



### FEATURES

- 316 Stainless Steel body
- One piece Anti-Microbial ABS outlet (4 different flow rates available)
- Water efficient
- Tamper proof security screw
- Suitable for high security applications

### ANTI-MICROBIAL ABS

These shower heads are made from injection moulded Anti-Microbial ABS using Biomaster silver ion technology.

Biomaster ensures effective antibacterial protection for the effective lifetime of the product, helping to keep surfaces clean and hygienic reducing the threat of cross-contamination.

The One-piece anti-microbial ABS outlet can be removed for regular servicing and replacement.

Strong, durable and ligature resistant, these heads are suitable for various applications including high security environments

### FEATURES

- Injection moulded anti-microbial ABS body
- One-piece anti-microbial ABS outlet (4 different flow rates available)
- Tamper proof security screw
- Suitable for high security applications
- Available in chrome or brushed satin finish







**FRANKE**



**FRANKE**

## FRANKE SHOWERS

Shower fittings are becoming ever more sophisticated when it comes to water saving, ease of installation and operation. The use of robust materials, reliable technology and surface finishes makes the FRANKE shower range suitable for public, commercial or industrial premises.

The FRANKE range includes the AQUACONTACT and SMARTWAVE panels, featuring latest technologies and modern aesthetics, catering for various applications. There are a choice of fronts across the range including; Stainless Steel, mineral MIRANIT-S or glass.

### AQUACONTACT STAINLESS STEEL

The range uses Start - Stop infrared sensor operation, with or without thermostat mixer control, some versions with moulded plastic shower gel tray insert.

AQUACONTACT Stainless Steel panels use either the AQUAJET Comfort or AQUAJET Slimline shower heads.

#### FEATURES

- Start - Stop infrared sensor operation with integrated hygiene flushing function
- Thermostat fittings with convenient temperature selection
- Stainless Steel with optional easy clean InoxPlus surface
- Available with either AQUAJET Comfort or AQUAJET Slimline shower heads
- Optional remote control for setting function parameters



AQCT0005

AQCT0006

#### FEATURES

- Stainless Steel with optional easy clean InoxPlus surface
- Shower-gel tray insert (AQCT0018 only)
- Thermostatic mixer DN15
- Touch sensor (start/stop)
- Battery or mains supplied



AQCT0018

AQCT0017

#### FEATURES

- Stainless Steel with optional easy clean InoxPlus surface
- Shower-gel tray insert (AQCT0006 only)
- Touch sensor (start/stop)
- Battery or mains supplied

### AQUACONTACT MIRANIT-S

The range uses Start - Stop infrared sensor operation, with or without thermostat mixer control, some versions feature an all-in-one moulded shower gel shelf.

Panel housing is made of MIRANIT-S solid white, a polyester resin-bonded mineral material with a smooth, pore-free surface and satin finish, (temperature-resistant up to 80°C).

#### FEATURES

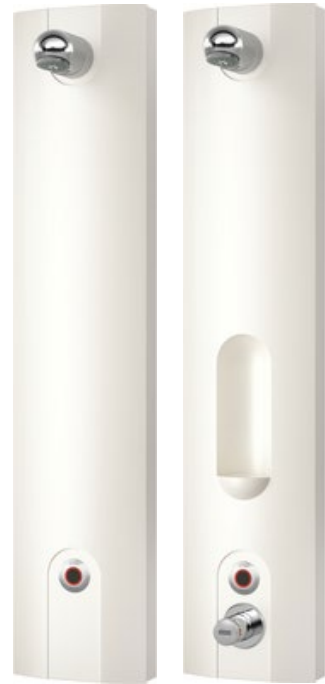
- Start - Stop infrared sensor operation with integrated hygiene flushing function
- Thermostat fittings with convenient temperature selection
- Hygienic Miranit-S mineral material
- All-in-one moulded shower gel shelf
- Battery or mains supplied
- Available with either AQUAJET Comfort or AQUAJET Slimline shower heads (see below)

### AQUACONTACT AVAILABLE HEADS



AQUAJET Slimline

AQUAJET Comfort



AQCT0033

AQCT0039

with shower gel shelf and thermostat

### SMARTWAVE

Made up of only 2 elements, the SMARTWAVE shower panel can be installed in a short space of time, and is easily accessible for commissioning and maintenance.

Housing is made of Makroblend® polymer material with stain resistant properties.

Featuring a function block mounted directly on the shower head to reduce water stagnation.

Also features an adjustable anti-scale head and soft button operated self-closing mixer DN15.

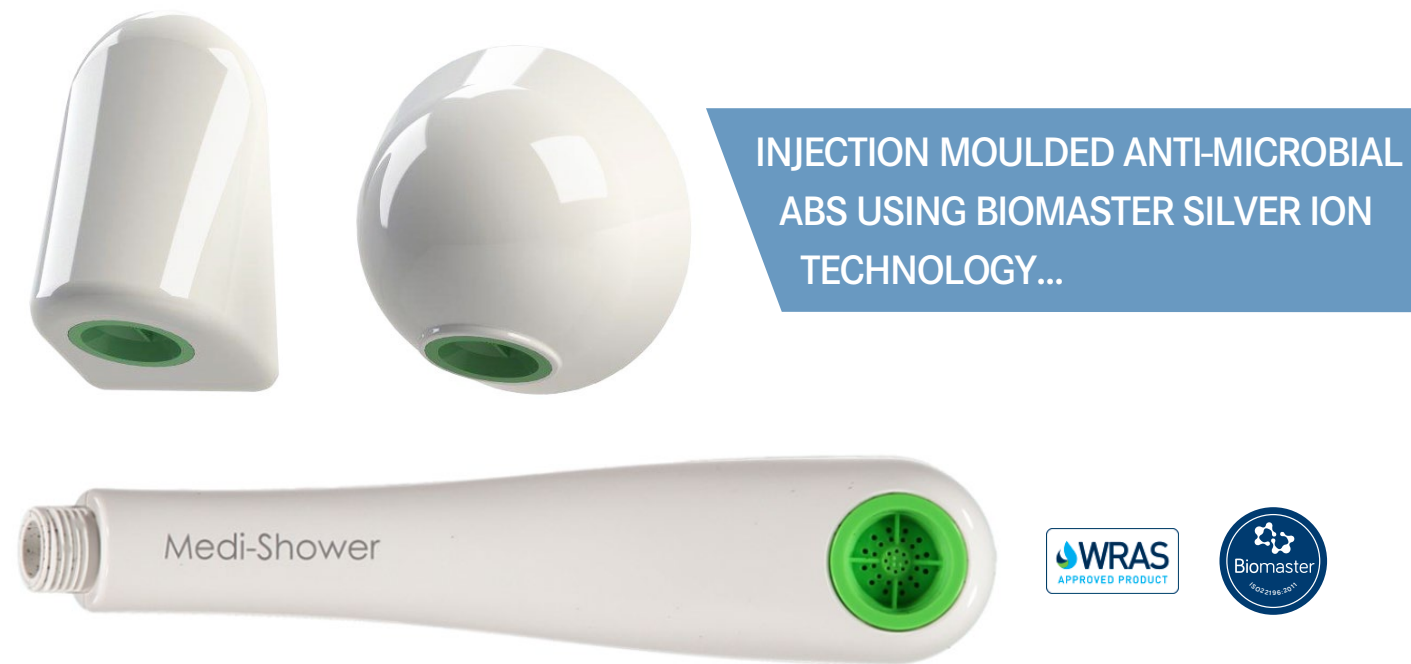
#### FEATURES

- Hygienic Makroblend® chemical resistant housing
- Anti-scale adjustable angle shower head
- Aquamix self-closing mixer
- Soft trigger operation
- Adjustable flow time



To view the full FRANKE showers range visit:  
[www.dartvalley.co.uk](http://www.dartvalley.co.uk)





# MEDI SHOWER™

# AQUA 3000 OPEN WATER MANAGEMENT SYSTEM

MediShower™ is a new patented anti microbial and water saving shower head and hose. Easy to maintain, hygienic and efficient, the MediShower™ is well suited to healthcare environments, where containing the spread of infection and meeting budgetary requirements are key priorities.

Using Biomaster technology - silver has been used in its pure form for many centuries to prevent growth of bacteria. Incredibly durable, long lasting and highly active, when Biomaster is added in to a product it is dispersed throughout the item, will not wash off and will last its entire active lifetime.

Biomaster has been proven to help reduce harmful bacterias common in healthcare environments, including; Pseudomonas, Legionella, MRSA, E.Coli, Listeria, Salmonella and Campylobacter by up to 99.9%.

MediShower™ is also 100% designed and manufactured in the UK.

## FEATURES

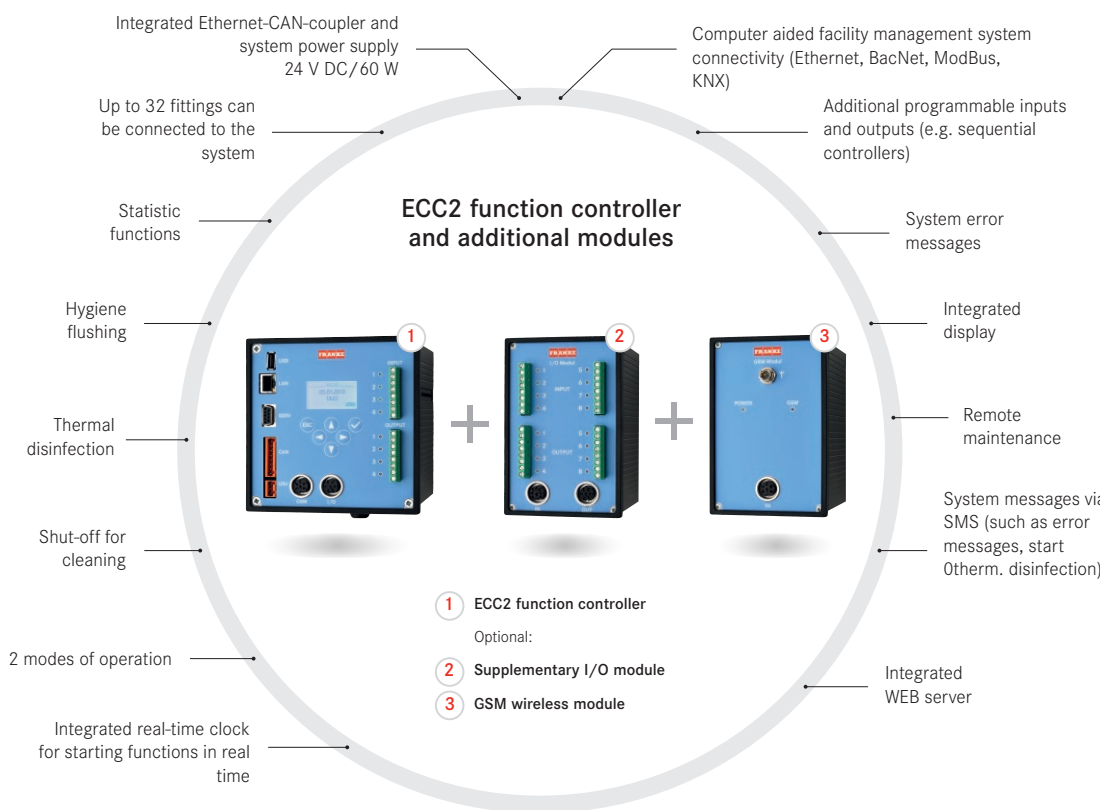
- Anti-bacterial using Biomaster silver ion technology
- Medi-shower replacement inserts promote a regular quarterly cleaning regime
- Low maintenance costs
- Reduced risk of infection
- Easy to clean / retrofit
- 5 year product warranty
- 5 year guarantee against limescale clogging



## MEDI-FLUSH INSERTS

- Colour coded system represents calendar quarters
- Quick and easy replacement using the MediShower™ key

The AQUA 3000 open water management system presents installers and operators with an easily installed, reliable, functional, hygienic and economical system which is even easier to integrate into host networks. A sophisticated, complete water management system that facilitates economical operation of all connected components. The system can be individually programmed and expanded as required.







Efficiently control  
WC's, urinals, taps,  
baths and more...

## WASHROOM CONTROL SYSTEM

### WASHROOM CONTROL SYSTEM

The Washroom Control System is capable of running a single ensuite within mental health units, prisons and police cells.

#### CAPABLE OF MANAGING:

- DVS WC flushvalve
- Single ensuite
- Shower control
- Optional call-out button for manual or computer interfacing
- Hot and cold tap control (ideal for controlling the DVS high security backplate with in-built water spouts)
- All of the above controls have the built in option of 'Lock-Out', to limit the number of operations in each period of adjustable run times

#### FEATURES

- Multi-function unit from one control
- Variable functions allowing custom setups to suit individual requirements
- Optional reset or lock-out feature from a key switch control
- Lock-outs (selectable)
- Optional call-out button
- Covers a variety of uses (reduces installation and unit costs)
- Purge facility



Washroom  
Control System

## MULTI-CHANNEL WASHROOM CONTROL

### MULTI-CHANNEL WASHROOM CONTROL

The control box has been designed to meet the requirements for safe ensuite applications and the modern day washroom. It has a variety of functions that allow easy operation of WC, basin, bath and shower. We have also designed the control box to allow for simple installation with an easy access removable wiring platform, a fully hinged front cover allows full access to the sensor and valve plugs.

#### CAPABLE OF MANAGING:

Two full ensuites with shower or bath  
or  
2 x WC flushvalves along with a combination of ten outlets that can control a variety of products each outlet can be individually programmed to operate a specific product including basin, shower, bath and urinal, timings can also be set individually along with hygiene purge if required, optional lock outs are another feature.

#### FEATURES

- 2 x WC outlets
- 10 x fully programmable outlets
- Variable functions allowing custom setup to suit individual requirements
- Optional & adjustable purge facility
- Optional variable lock out functions
- Optional remote lock out via key switch or BMS
- Each outlet individually programmed via the DVS Handheld programmer
- Individual sensors can be programmed without opening the control box
- Can also be used to manage a bank of taps, showers, baths or urinal controls



Multi-channel Washroom Control box



#### PROGRAMMER

- Works in conjunction with Multi-channel Washroom Control and other systems
- Adjustable settings, read and upload real-time data
- See page 24 for further spec





Reliable, water saving controls for a range of applications

## CONTROLS

### TAP CONTROL SYSTEM

The Tap Control System can be used to control mixed water for 1 or 2 taps, or to control both hot and cold on a single tap using 2 sensors. The control system can be used with the DVS wave-on or tactile sensors (see right).

The system also features an in-built purge control option, which helps to avoid water stagnation.

When the user passes their hand past the sensor or pushes the tactile switch (depending on which is installed), the Control System activates the solenoid valve, which runs for a pre-set time before automatically closing and stopping the tap.

Various settings can be customised quickly and easily from within the control box if necessary.

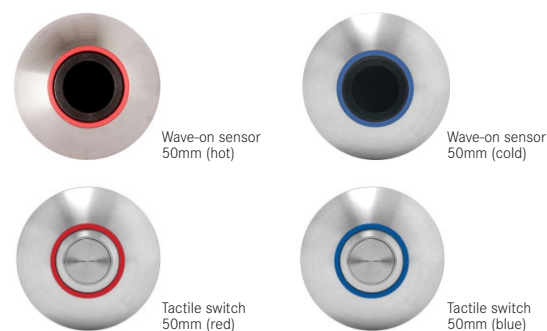


#### FEATURES

- Control up to 2 tap stations
- Adjustable run time
- High performance and reliability
- Built-in purge control option to avoid stagnation
- Standard mains power (battery version also available)

### SENSORS

Wave-on sensors or tactile switches with hot or cold indication inserts are available for controlling showers and taps, either as part of DVS control systems and for use with shower towers.



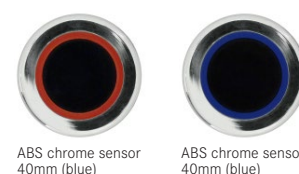
#### FEATURES

- Wave-on sensor or tactile operation
- 316 Stainless Steel bezel
- High performance and reliability
- Ligature resistant design

### ABS SENSOR

The DVS chrome plated ABS sensor, features a 40mm bezel and comes in either programmable or standard electronic version.

- Robust ABS in chrome finish
- High performance and reliability
- Programmable or standard electronic versions available



### PROGRAMMABLE SENSOR

All DVS products can be controlled by the Wall Mounted Programmable Sensor and DVS Handheld Programmer, these products allow quick and easy adjustment of settings, including: run-on time, range, purge and more. Real time data can be uploaded from the Programmer via the integrated USB port, to allow accurate monitoring of water efficiency.



#### FEATURES

- Adjustable run time
- Adjustable range for different length spouts
- Anti-vandal mode on / off and adjustable time
- Automatic and time adjustable purge
- Chlorination mode
- User detection or wave-on / wave-off function
- USB connection to upload real-time data to PC
- Tap read function produces data on; total run time and total number of operations and purges

### SHOWER CONTROL SYSTEM

The Shower Control System can be used for 1 or 2 shower heads. It will effectively give any standard showerhead automatic wave-on control. The shower control system also features a built-in purge control option to avoid water stagnation.

When the user passes their hand past the sensor or pushes the tactile switch (depending on which is installed), the Control System activates the solenoid valve, which runs for a pre-set time before automatically closing and stopping the tap.

Various settings can be customised quickly and easily from within the control box if necessary.



#### FEATURES

- High performance and reliability
- Control up to 2 shower stations
- Adjustable run time and built-in purge control
- Standard mains power (battery version also available)



PRODUCT LIST

PRODUCT LIST

PAGE 3PAGE 4PAGE 5

AT04-001  
AquariTherm™ Tap  
(Automatic version)

MT04-001  
AquariTherm™ Tap  
(Manual version)

AT00-053  
One-piece anti-microbial  
outlet

AC06-002  
AquariTherm service kit;  
filter cartridge, check  
valve and flow straightener

AC06-001  
AquariTherm service kit;  
thermostatic cartridge

AT07-101  
EZ Spout 90 HC

...CONTINUEDPAGE 6

AT07-102  
EZ Spout 90

AT07-104  
EZ Spout 60 HC

AT07-103  
EZ Spout 60

AT00-039  
PALL filter

AT07-105  
Medi Spout 90

AT07-106  
Medi Spout 60

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AT02-001  
WM Aquarius (brushed)  
150mm

AT02-011  
WM Aquarius (brushed)  
200mm

AT02-021  
WM Aquarius (brushed)  
250mm

AT02-024  
WM Aquarius (brushed)  
and P-O-U filter 250mm

AC05-012  
Single station surgeons  
scrub-up trough only  
(excludes taps)

AC05-011  
2 station surgeons  
scrub-up trough only  
(excludes taps)

...CONTINUEDPAGE 9PAGE 10

AC05-010  
3 station surgeons  
scrub-up trough only  
(excludes taps)

G22006 L  
Stainless Steel single  
bowl with single drainer

G22008 D  
Stainless Steel single  
bowl with double drainer

G22010 R  
Stainless Steel double  
bowl with single drainer

G22029 L  
Stainless Steel single  
station surgeons scrub-  
up trough

-  
Boxed out module with  
AquariTherm tap  
(automatic)

...CONTINUEDPAGE 11PAGE 12

-  
Aperture module with  
Medi Spout 60 and WM  
programmable sensor

-  
Between walls module  
with AquariTherm tap  
(manual)

-  
Between walls module  
with wall hung WC pan  
& wave-on sensor with  
chrome backplate

WC01-022  
WC Flushvalve with  
in-built overflow 1 1/2" base

WC02-002  
Concealed standard  
plastic cistern (2")

WC02-004  
Concealed tall plastic  
cistern (2")

...CONTINUEDPAGE 13PAGE 14

WC02-012  
Concealed standard  
plastic cistern kit (2")

WC02-014  
Concealed tall plastic  
cistern kit (2")

WC02-017  
Compact concealed  
cistern kit (1 1/2")

SH01-006  
Shower tower  
(ceiling height)  
with HS head  
and sensor

SH01-002  
Shower tower  
(sloped top)  
with HS head  
and sensor

SH01-011  
Shower tower  
(ceiling height)  
with head, rail  
and hose kit

...CONTINUEDPAGE 15PAGE 16

SH00-019  
Shower head,  
rail and hose  
kit

SH01-013  
Dual outlet  
shower tower  
with head  
and hose kit

SH07-042  
Ceiling mounted high  
security shower head

SH07-040  
30° high security shower  
head S/S brushed

SH07-085  
WM High security  
ABS dome showerhead  
in chrome finish

SH07-086  
WM High security  
ABS showerhead in  
chrome finish

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AQCT0005  
AQUACONTACT  
shower panel  
S/S

AQCT0065  
AQUACONTACT  
shower panel  
with thermostat,  
gel tray - S/S  
with InoxPlus

AQCT0006  
AQUACONTACT  
shower panel,  
gel tray - S/S  
with InoxPlus

AQCT0098  
AQUACONTACT  
shower panel  
with thermostat,  
S/S with InoxPlus

AQUA754  
AQUAJET Slimline  
shower head

SHAC0007  
AQUAJET Comfort  
shower head

...CONTINUEDPAGE 19

AQCT0108  
AQUACONTACT  
shower panel  
MIRANIT-S

AQCT0073  
AQUACONTACT  
shower panel  
MIRANIT-S with  
showergel shelf  
and thermostat

AQMX0008  
AQUACONTACT  
shower panel with  
self-closing mixer

SH07-075  
MediShower head (insert  
not included)

MS00-001  
MediShower sloped  
head (includes 4 inserts)

MS00-002  
MediShower domed  
head (includes 4 inserts)

...CONTINUEDPAGE 20PAGE 21

SH07-076  
MediShower inserts  
(sold individually)

SH07-077  
MediShower key (sold  
individually)

ZA30P0011  
ECC2 function controller

ZA30P0012  
Expansion module I/O

ZA30P0013  
GSM wireless module

VR07-002  
Washroom Control  
System

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VR07-020  
Multi-Channel Washroom  
Control

AT07-001  
Tap Control System

AC02-041  
Anti-vandal wave-on  
sensor (red insert)  
50mm bezel

AC02-040  
Anti-vandal wave-on  
sensor (blue insert)  
50mm bezel

AC02-047  
Anti-vandal tactile switch  
(red insert) 50mm bezel

AC02-046  
Anti-vandal tactile switch  
(blue insert) 50mm bezel

...CONTINUEDPAGE 24

AC02-036  
ABS sensor 40mm bezel  
(red) in chrome finish

AC02-035  
ABS sensor 40mm bezel  
(blue) in chrome finish

AC02-017  
Programmable tap  
sensor S/S 50mm bezel

AC01-001  
Handheld programmer  
with USB interface

SH07-001  
Shower Control System

For project support and bespoke product information,  
please contact us on +44(0)1803 529021  
or alternatively, email us at [sales@dartvalley.co.uk](mailto:sales@dartvalley.co.uk)



Dart Valley Systems Ltd  
Kemmings Close  
Long Road  
Paignton  
Devon  
TQ4 7TW  
United Kingdom

**t** +44 (0)1803 529021  
**f** +44 (0)1803 559016  
**e** [sales@dartvalley.co.uk](mailto:sales@dartvalley.co.uk)  
**w** [www.dartvalley.co.uk](http://www.dartvalley.co.uk)

