HEALTHCARE

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

Dart Valley Systems
a FRANKE company

FRANKE

Specialising in water saving technology for commercial washrooms, Dart Valley Systems have been producing leading automatic washroom technology for over 25 years.

DVS are a market leader in the field of water saving products, along with automatic washroom solutions for specialist applications, including the healthcare, mental healthcare, custodial and public sector markets. 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 or contact our sales team on +44(0)1803 529021

SITE REF's

Below is just some of DVS's 2014 healthcare customers:

- Cambridge Uni Hospitals NHS
- Chesterfield Royal Hospital
- Dorset County Hospital
- East & North Herts NHS Trust
- Great Ormand Street Hospital NHS
- James Paget Uni Hospitals NHS
- Mid Cheshire Hospitals NHS
- Newcastle Upon Tyne Hospitals
- NHS Greater Glasgow & Clyde
- NHS Lothian Health Board
- NHS Tayside
- Wirral Uni Teaching Hospital

All DVS electronic taps and most sensors are all now programmable via the new 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.

INSTALLATION & SERVICING

An experienced team of regionally based WRAS approved 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 our dedicated service team on +44 (0)1803 529021 or email servicing@dartvalley.co.uk or techsupport@dartvalley.co.uk

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.

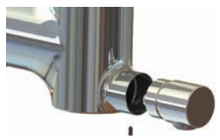
Both the manual and automatic models include a mechanism to ensure that hot water is mixed before being delivered to the users' hands, ensuring there is no 'hot spike' effect for the user of the tap. Additionally the tap body stays cool during use, even with prolonged running of hot water.

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 fully programmable sensor with the handheld programmer see page.6
- NEW unrestricted tap outlet available

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

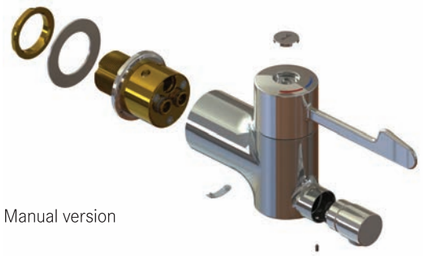


The manual and remote sensor taps feature a removable spout for servicing (above)

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.6
- 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

FULLY PROGRAMMABLE SENSOR SYSTEM

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
- Sensors include the fully programmable sensor (see page.6)

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

PROGRAMMABLE SENSOR

DVS EZ Spouts™ can be controlled by the NEW Wall Mounted Programmable Sensor and 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

CLINICAL TAPS

AQUARIUS TAPS

DVS have cost-effective solutions that can make significant contributions to improving hygiene, and also reducing water consumption.

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

The Aquarius range of taps are manufactured from 316 Stainless Steel.

FEATURES_

- 316 Stainless Steel
- No-touch operation
- Ergonomic, easy clean surfaces
- Quick and easy to service
- Surface area remains cool
- Adjustable sensing range
- Automatic purge facility via the Handheld Programmer (see page.6)
- Available with copper or Stainless Steel tails

WM straight (brushed) 200mm

WM straight (brushed) 250mm

Aquarius WM with point-of-use filter (brushed) 250mm

HTM64 TAPS

The HTM64 range of taps feature Safe Touch technology the surface temperature is maintained below 42°C even around the hot inlet. Compliance with NHS model engineering specification D08 is assured with TMV3 approval.

FEATURES_

- Complies with HTM64 type TBH2a
- Safe Touch body
- Thermostatic control
- Fail safe on the hot and cold supplies
- Inline isolating ball valves
- WRAS / TMV3 approved

Stainless steel is 100% recyclable!

AQUA 3000 OPEN

Managing water efficiently and wirelessly

AQUA 3000 OPEN
WATER MANAGEMENT SYSTEM

The responsible and efficient use of water as a natural resource is a central objective for modern buildings. Franke Washroom Systems provides optimally devised sanitary solutions to assist building and facility designers in their quest to achieve a sustainable level of operation. The AQUA 3000 open water management system establishes a balance between ecology and economy, between hygiene and consumption and between planning and operation.

A sophisticated, complete water management system facilitates economical operation of all connected components. Shower fittings, wash taps as well as flush valves can be connected. The system can be individually programmed and expanded as required. Water volumes, hygiene flushing, thermal disinfection and respective temperature limits can be set individually for each room and even for each fitting. Malfunctions are immediately detected and reported by the system. Efficient water heating reduces power consumption. The resulting potential savings significantly reduce the payback period.

THE SYSTEM THAT THINKS FOR ITSELF;

The intelligent electronic module is the core of the respective fitting. Even at the fittings level it combines water delivery and control functions that are independent of a host control unit. Thanks to the factory-programmed electronic modules, fittings can be easily commissioned by simple >plug and play<

The integrated electronic module of each fitting has an application-specific function program for all important water-delivery functions. Also, a unique serial number provides the basis for additional control functions.

FEATURES_

- Easy parameter settings
- Program-mode switching
- Peak load optimisations
- Automatic hygiene flushes
- Shut-off for cleaning
- Thermal disinfection programs
- Safety switch off
- Statistic functions and temperature logs
- Wide range of system fittings and accessories available- please see separate A3000 catalogue

Dart Valley Systems have an extensive range of standard products suitable for Hospital, Laboratory and Medical applications. DVS products are also suitable for Hospital wards, Accident and Emergency rooms, Operating Theatres, Nursing Homes and Doctor's surgeries.

SURGEONS SCRUB-UP TROUGHS

SCRUB-UP TROUGHS

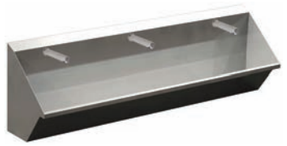
Scrub-up troughs are an essential piece of hospital equipment to enable one or more surgeons and nurses to scrub their hands and forearms.

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).

1-station (800mm)

2-station (1600mm)



3-station (2400mm)

Stainless steel is 100% recyclable!

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)

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:

Single bowl, single drainer

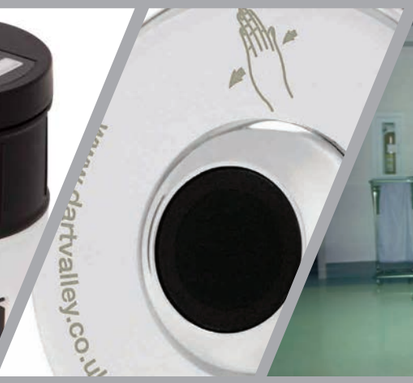
Single bowl, double drainer

Double bowl, single drainer

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.

Stainless steel is 100% recyclable!



PRE-PLUMBED PANELS

WC FLUSHVALVE

PRE-PLUMBED PANELS

DVS and our partners Cubicle Systems 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.

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
- 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, between walls and corner aperture installations

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.

WRAS APPROVED PRODUCT

SHOWERS

SHOWERS

DVS offer a complete range of shower panels for the most demanding applications. Constructed from robust 316 Stainless Steel, DVS shower towers are safe but attractive, high security and easy to install.

The DVS range of shower towers are pre-plumbed to help make installation as easy as possible.

FEATURES_

- Designed for high-security applications
- Robust 1.5mm 316 Stainless Steel construction
- Easy to install
- High impact resistance
- Tamper proof
- Wave-on, push or tactile operation
- Adjustable sensing range with the Programmable sensor (see page.6)
- Available in 2 standard heights with or without optional TMV3
- Available with retrofit shower kit consisting; rail, hose and head (see right)

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

FEATURES_

- Hygienic Makroblend® chemical resistant housing
- Anti-scale shower head
- Soft trigger or tactile sensor operation
- Available in AQUAMIX, AQUALINE-Therm and AQUACONTACT mixer options

FRANKE

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 is a key priority.

FEATURES_

- Anti-bacterial
- Medi-Flush® replacement insert
- Low maintenance cost
- Reduces risk of infection
- Easy to clean / retrofit

Medi-Shower™

PRODUCT LIST

AQUARITHERM™ TAPS **PAGE 3** | AQUARITHERM™ SERVICE KITS **PAGE 4** | EZ SPOUT™ RANGE **PAGE 5**

AT04-001
AquariTherm Tap (Automatic version)

MT04-001
AquariTherm Tap (Manual version)

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

AC06-001
AquariTherm service kit; thermostatic cartridge

AT07-101
EZ Spout 90 HC

AT07-104
EZ Spout 60 HC

...CONTINUED | SENSOR & PROGRAMMER **PAGE 6** | CLINICAL TAPS **PAGE 7**

AT07-103
EZ Spout 60 (brushed) - spout only

AC02-017
WM Programmable sensor

AC01-010
Handheld Programmer with USB interface

AT02-011
WM straight (brushed) 200mm

AT02-021
WM straight (brushed) 250mm

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

...CONTINUED | AQUA 3000 **PAGE 8**

MT04-002
Safe touch thermostatic sequential WM tap

MT04-003
Safe touch thermostatic sequential DM tap

AT07-077
Safe touch thermostatic Infrared WM tap

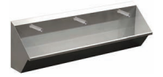
Z-AQUA029
Aqua 3000 Electronic Module (System flushing)

AQUA602
Aqua 3000 Open Thermostatic Mixer

SCRUB-UP TROUGHS **PAGE 9** | STAINLESS STEEL **PAGE 10**

AC05-012
Single station surgeons scrub-up trough WM straight brushed (250mm)

AC05-011
2 station surgeons scrub-up trough WM straight brushed (250mm)



AC05-010
3 station surgeons scrub-up trough WM straight brushed (250mm)

G22029 L
Stainless Steel single station surgeons scrub-up trough

G22006 L
Stainless Steel single bowl with single drainer

G22008 D
Stainless Steel single bowl with double drainer

...CONTINUED | PRE-PLUMBED PANELS **PAGE 11** & **12**

G22010 R
Stainless Steel double bowl with single drainer

G22025 R
Stainless Steel Slop-hopper disposal sink unit

-
Boxed Out Module with AquariTherm tap (Automatic)

-
Boxed Out Module with AquariTherm tap (Manual)

-
Boxed Out Module with S/S single bowl & single drainer and HTM64 Safe touch thermostatic tap

-
Boxed Out Module with BTW WH Pan and Urinal Control sensor

SHOWERS **PAGE 13**

SH01-006
Pre-plumbed shower tower with wave-on sensor

-
Pre-plumbed shower tower with rail, hose and head

AQMX0008
FRANKE SMARTWAVE shower panel

-
MediShower shower head and hose

MANUFACTURED IN THE UK

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

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FRANKE

WATER
SYSTEMS

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