







# FOOD HYGIENE SOLUTIONS





# **FOOD HYGIENE** SOLUTIONS

Dart Valley Systems offer a comprehensive range of taps, WC flushing, urinals and water management products. Most of our products are WRAS approved and Water Technology List authorised and cater for a range of applications, which can help customers achieve significant water savings.

Dart Valley Systems offer solutions to all hand wash applications, along with proven washroom controls for the most demanding markets including airports and motorway service stations that operate 24 hours per day.

All DVS taps are WRAS approved where water temperature controls are required we can supply a WRAS and Build Cert approved TMV3 (Thermostatic mixing valve).



### **CONTENTS**



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PROGRAMMABLE

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WARRANTY

ON ALL DVS



# **DVS**NO-TOUCH TAPS

The DVS range of automatic taps have evolved over 30 years into what we feel are the most adaptable range on the market with taps or spouts for all applications including Healthcare, education, retail and most importantly the food retail and preparation industry.

All the DVS tap and sensor range can be controlled using the DVS hand held programmer, flow time, range and purge options can all be turned on or off or adjusted allowing for greater flexibility in all areas.

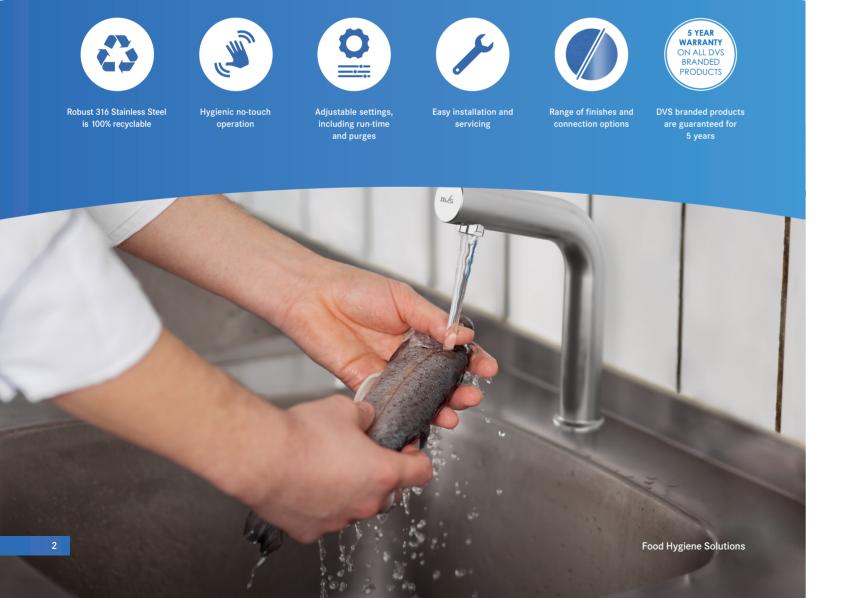
The taps can be programmed to auto flush if they are not used, this is a proven way to help prevent biofilm build up. All taps are available as mains or battery operated.











# A32 & A45 316 Stainless Steel (brushed or polished) Robust design and build quality Suitable for a wide range of applications Also available in non-electronic version A703-003 A703-023 A703-013









- Chrome plated brass
- Standard Pillar is suitable for raised sinks or glass bowls
- Pillar and Pillar SV are suitable for recessed sinks
- Matching soap dispenser available



#### ANTI-MICROBIAL OUTLET

 Helps reduce harmful bacterias (including Pseudomonas, Legionella MRSA, E.Coli and Salmonella) by up to 99.9%



#### THERMOSTATIC MIXING VALVE 4-IN-1

- Advanced TMV3 approved valve
- For basin, tap and shower
- Requires min. 1 bar pressure



### **EZ SPOUT™ RANGE** STAINLESS STEEL

### MEDI SPOUT™ RANGE ANTI-MICROBIAL



#### EZ SPOUT™

The EZ Spout<sup>™</sup> range has two options, uncontrolled outlets or a flow regulated outlet, both are manufactured using 316 stainless steel.

The spouts are mounted on a wall spigot also manufactured in 316 stainless steel, the outlets can be removed easily for sterilisation if and when required.

Water control is via an infrared sensor mounted directly under the spout for automatic operation or to one side to give wave operation both are no touch meaning a greatly reduced risk of cross contamination.

The sensor is fully programmable when used with the DVS hand held programmer allowing for various settings for different applications, the sensor is also bi-directional allowing for usage data to be viewed or downloaded if required.



#### **EZ-HC 90° TAP SPOUT**

- Angled at 90 degrees
- Quick and easy to remove for servicing
- Slim, minimalistic. modern appearance
- No outlet, smooth open bore



#### **EZ-60 TAP SPOUT**

- Angled at 60 degrees
- Quick and easy to remove for servicing
- Slim, minimalistic. modern appearance
- Standard 5 LPM outlet



#### EZ-HC 60° TAP SPOUT

- Angled at 60 degrees
- Quick and easy to remove for servicing
- Slim, minimalistic, modern appearance
- No outlet, smooth open bore



### **EZ-90 TAP SPOUT**

- Angled at 90 degrees
- Quick and easy to remove for servicing
- Slim, minimalistic, modern appearance
- Standard 5 LPM outlet



#### MEDI SPOUT™

The Medi Spout<sup>™</sup> range was designed to meet the high standard of hand wash hygiene demanded by hospitals; this range is perfectly suited for the food industry where hand hygiene is of the utmost importance.

The spouts are moulded in ABS with a silver-ion anti-microbial additive to help prevent the growth of waterborne bio-films that can very easily spread into the food chain.

- Slim, minimalistic, modern appearance
- Durable chrome plated finish, also available in white
- 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 spigot and concealed grub screw for retention
- Can be operated using DVS sensors and Tap Control System (see page.15)
- Can be controlled in the same way as the EZ Spout™ range





#### **PUSH-FIT CONNECTION**

The push-fit connection and secure mounting spigot 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 spigot, a concealed grub screw is fitted for security.



#### **COLOURED SPOUTS**

- The Medi Spout<sup>™</sup> range is available in 4 different colours to provide a visual aid in periodically changing spouts to maintain hygiene levels
- Each colour represents one 3 month period in a year
- 1 year service pack with all four colours available











FEATURING **ANTI-MICROBIAL SILVER ION TECHNOLOGY** 

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# WASH TROUGHS



# **CATERING** SINKS



#### WASH TROUGHS

DVS are owned by Franke a Swiss based company with over 100 years' experience in manufacturing stainless steel products, this gives DVS access to the full range of Franke sinks and troughs.

DVS can offer 1, 2, 3 or 4 station wash troughs fully fitted with no touch taps and soap dispensers of your choice, we can also offer a round trough to allow for multiple users at one time.

All are designed to meet the rigours of a busy kitchen environment.

■ Manufactured from 1.5mm 304 grade stainless steel

Particularly suited to the DVS Aquarius wall mount taps

- Build to withstand all commercial environments
- Pipework and waste fitting can be concealed
- Can be supplied with taps and soap dispensers pre-installed
- Bespoke troughs can be manufactured on request



SANX180SBF

(AVAILABLE IN 2, 3 OR 4 STATION)



#### CATERING SINKS

DVS can offer the full range of Franke stainless steel catering sinks and hand wash bowls; a few are listed here. They are manufactured from 304 grade stainless steel.

- Manufactured from 1.5mm 304 grade stainless steel
- Build to withstand all commercial environments
- Particularly suited to the DVS range of taps



#### HAND WASH BASINS

- Wall hung basin
- Centre back waste location
- 18 gauge (1.2 mm), type 304 (CNS 18/10) stainless steel.
- Exposed surfaces are #4 satin finished
- Radius coved bowl corners
- One piece wall hanger

Includes 1 1/2" (38 mm) duplex waste assembly with rubber stopper. Certified to ASME A112.19.3-2008 / CSA B45.4-08. Separate sink carrier is not required.



WHB1616-3



D20161N

#### STAINLESS STEEL

Stainless steel has a proven record of success in areas such as catering facilities 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.

- Resistant to moisture
- Scratches and grooves lose their sharp edges quickly and blend into the surface
- Lasts for the lifetime of the building
- 100% recyclable



### PAPER TOWEL **DISPENSERS**



#### DRYX500 HANDS-IN HAND DRYER

- Antibacterial ABS synthetic material
- Warm or cold air selection
- Drying time 7-10 seconds
- Hygienic no-touch operation and integrated HEPA filter
- Water tank capacity 800ml
- Automatic power shut-off after 25 sec
- Separate cleaning of water tank and drainage
- Adjustable air velocity (75 100m/s)
- Protection category IPX4
- Total power 1250 1650 W



DRYX500

#### STRATOS HAND DRYER

- Stainless Steel with satin surface finish, front with InoxPlus surface refinement
- Curved front cover
- Warm air (adjustable)
- Total power 1000 W
- Sensor range adjustable (10-25cm)
- Adjustable air velocity (95 115 m/s)
- Automatic power shut-off after 60 sec

Measurements 156 x 267 x 130 (W x H x D)



#### **EXOS. HAND DRYER**

- Stainless Steel with satin surface finish, front with InoxPlus surface refinement
- Warm air (adjustable)
- Sensor range adjustable (10-25cm)
- Automatic power shut-off after 60 sec
- Adjustable air velocity (95 115 m/s)
- Total power 1000 W
- Front cover available in different versions





EXOS220X

#### **RODAN HAND DRYER**

- Stainless Steel with satin surface finish
- Warm air
- Air velocity (15.5 m/s)
- Total power 2200 W
- Sensor range adjustable (10-30cm)



#### XINOX HAND DRYER

- Satin surface finish with InoxPlus surface refinement
- Warm air
- Total power 1500 W
- Sensor range adjustable (5-33cm)
- Adjustable air velocity (75 110 m/s)
- Automatic power shut-off after 60 sec



#### PAPER TOWEL DISPENSER

- Wall mounted dispenser
- Stainless steel with satin finish, front and casing
- Easy to clean
- 1.2 mm Material thickness
- Inspection window on side
- Capacity 300-400 pieces of Z-folded paper



FXOS600X

#### PAPER TOWEL ROLL DISPENSER

- Manual wall mounted dispenser
- Stainless steel with satin finish. front and casing
- Easy to clean
- 1.2 mm material thickness
- Maximum roll width 205mm
- Maximum roll diameter 200mm
- Paper perforation length 260mm
- Adjustable paper roll holder

FXOS637X

### **NO-TOUCH** SOAP DISPENSERS

DVS soap dispensers feature no-touch operation with a minimalistic easy to clean design. There are deck and wall mounted versions available, as well as versions that are either battery or mains operated.

Available in either chrome or brushed finish, suitable for a wide range of environments including; hospitals, airports, motorway services, food factories, supermarkets and more.







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# **NO-TOUCH** WC FLUSHVALVE



DVS have been manufacturing the WC flushvalve in the UK for over 25 years it is the choice for all high usage toilets with its proven reliability and water saving benefits.

The flushvalve can be set to flush automatically or by wave operation greatly reducing the high risk of cross contamination. Both auto and wave options have dual flush capability although DVS recommend a single 4 litre flush is best.

The DVS flushvalve has always been designed to be retro fit; it's compatible with most WC cisterns on the market today with no requirement to change the existing plumbing.

Various power options are available mains or battery there is also the option for mains with battery backup.

The flushvalve is compatible with the DVS hand held programmer making it easy to set up and adjust, it can be set to suit every environment, it's also WRAS approved.







operation

optimum flush, purge,



lock-outs and more



Typical 30% savings on water costs



Dual Flush



**DVS** branded products

#### WC FLUSHVALVE KIT (MAINS)

- Available with 1 1/2" and 2" base options
- Compatible with standard sensor and tactile switches



#### WC FLUSHVALVE KIT (BATTERY)

- Available with 1 ½" and 2" base options
- Compatible with programmable sensor, standard sensor and tactile switches



#### WC FLUSHVALVE KIT + INTELLIGENT CHARGER

- Can be used to provide back-up power
- Available with 1 1/2" and 2" base options
- Compatible with programmable sensor, standard sensor and tactile switches



# **CISTERN KITS**

#### TALL CISTERN

Concealed tall plastic cisterns, 6L volume, with secure fitting lid, available as stand alone or complete kit. Easy to install and comes in standard 11/2" or 2" versions.

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



WC02-004

#### 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



WC02-014

#### STANDARD CISTERN

Concealed standard plastic cisterns, 6L volume, with secure fitting lid, available as stand alone or complete kit. Easy to install and comes in standard 11/2" or 2" versions.



WC02-002

#### 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 fittings for back of pan



WC02-012

AVAILABLE IN A RANGE OF SIZES AND FEATURING INDUSTRY STANDARD FITTINGS, DVS CISTERN KITS CATER FOR VARIOUS APPLICATIONS.

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# **URINAL**CONTROLS

#### 2 STATION URINAL CONTROL SYSTEM

The Urinal Control System controls flushing for single or double station urinals.

When the DVS sensor detects the user, a pre-flush option can be set to prevent splashing in the bowl, followed by a final flush when the user walks away, ensuring high levels of hygiene are maintained.

The control box enables adjustment of the flush timer, auto pre-flush and purge on/off facility.

- Single or double station flushing
- Adjustable flush timer, pre-flush and purge facility on/off
- Significant water savings save on average 65%



11007.00

#### PROGRAMMABLE SENSOR

The DVS Programmable sensor enables quick and easy adjustment of settings via the DVS Handheld Programmer.

- Adjustable settings; flush time, sensor range, purge, anti-vandal and more
- Upload real time data to PC via USB
- For Handheld Programmer see page 14



AC02-023

#### STANDARD SENSOR

With accurate and reliable performance, the standard urinal sensor has various adjustable settings via the Urinal Control System box.

- 50mm Stainless Steel or Chrome bezel available
- Active I.R. sensor detection
- Complete with 3 metre cable





7-008

UC07-009

3 DVS FLUSHMATIC URINAL CONTROLS CAN SAVE ENOUGH WATER TO FILL AN

### **OLYMPIC SIZED POOL**

IN JUST ONE YEAR

# **FLUSHMATIC** & PEARL DOWNLIGHTER



The Flushmatic, Pearl and Pearl Solo Downlighters are suspended ceiling urinal controls for multiple station urinals. The Pearl unit is smaller in diameter.

Using a passive infrared sensor (PIR), this detects movement within the sensing area, switching the unit into a timing mode. After the pre-set time the solenoid valve opens, allowing water to flow into the cistern and activating the flushing cycle.

#### FLUSHMATIC SURFACE MOUNT

The standard Flushmatic is a wall or ceiling mounted urinal control for multiple station urinals.

The fill-time for the cistern can be customised using the switches on the Flushmatic board. There is also a set of dip switches to adjust the time delay after activating the PIR. The system's fast-fill design helps eliminate scale problems associated with slow or drip fed systems.

An automatic janitorial flush every 12 hours is also programmed in to the unit, catering for periods of non-use. Up to 80% savings on water costs can be achieved. Either mains or battery versions are available to suit varying site requirements.

- Adjustable settings; cistern fill/flush and flush delay time (to prevent misuse and save water)
- Enclosed reset button
- Ceiling or wall mountable
- Available in grey or white ABS
- Available in mains or battery version
- Battery low indicator (optional extra)





UC01-001

UC01-009

#### PEARL & PEARL SOLO

- Occupancy detection LED
- Smaller compact size (Pearl only)
- White ABS housing
- Available in mains or battery version (Solo mains only)
- Pearl Solo is ideal for single station urinal installations
- Valve closed before battery failure (indicated by LED flashing green)





5

001 027

FLUSHMATIC DOWNLIGHTER

- Adjustable settings; cistern fill/flush and flush delay time (to prevent misuse and save water)
- Enclosed reset button
- White ABS housing
- Available in mains or battery version



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# **HANDHELD**PROGRAMMER

The DVS handheld programmer has been developed to program the complete range of DVS washroom controls, constantly being upgraded to add more options and features.

The programmer is bi-directional meaning it can also read a sensor, allowing your service team or installer to view the settings before changing.

When reading a sensor it will also supply information such as how many operations, how many purges, run time and serial number etc.

To program a sensor or tap is simple, just point and press.

The programmer allows more flexibility for DVS products, for example, when setting a WC sensor you have the option of wave-on or fully automatic operation with dual flush all from the one sensor, in the past this required three different sensors.

# Adjustable settings, real time data upload purges and more and Auto modes range of DVS products and flush time DV-Prog 18-Aug-2017 11:36 2 Seconds Run On Time T=000000 P=0000 R=00000 ms Food Hygiene Solutions

# PROGRAMMABLE SENSORS

#### PROGRAMMABLE SENSOR

Settings can be quickly and easily adjusted using the Handheld Programmer, including; run-on time, range, purge and more.

With the handheld programmer and programmable sensors you can program the following DVS products:

- Taps
- Urinals
- Showers
- Baths
- WC's

#### PROGRAMMABLE FEATURES

- Run Time
- Sensor Range
- Wave on only or Wave on and off
- Purge (on or off)
- Purge Run Time
- Lock Outs (on or off)
- Lock Out Operations
- Upgradable software





#### STAINLESS STEEL

- Brushed 316 Stainless Steel 50mm bezels
- Available in standard or with red or blue indication inserts



AC02-017



AC02-025



AC02-024

"DVS have always impressed me with their products and service, which come with a 5 year warranty. Having installed them 3 years ago, they are still going strong with no callouts required. The customers are always complimentary of our washroom facilities and often comment why other restaurants don't do the same."

Taimoor Sheikh, Franchisee McDonalds Restaurant

# **PRODUCT**

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



AT03-003

Aguarius DM A32 tap spout only in polish s/steel with PFX tails Page 3



AT03-023

Aquarius DM A45 Doc M tap spout only in polish s/ steel with PEX tails



Aguarius DM A45 tap spout only in polish s/steel with PFX tails

AT03-013



Aquarius WM straight tap spout only in s/steel

200mm with PEX tails

AT02-011





250mm with PEX tails



AT03-041

Aquarius DM high neck tap spout only in s/steel with PEX tails Page 3



AT03-031

Aquarius DM short neck tap spout only in s/steel with PEX tails



AT01-001

AT01-011

Classic tap spout only in Classic swan tap spout only in chrome with PEX tails chrome with PEX tails Page 3



AT03-061

Aquarius DM tall pillar tap Page 3



AT03-051

PEX tails Page 3





AT00-134

Unrestricted Anti-Microbial Tap Outlet Page 3



AC17-047

Thermostatic mixing valve 4-in-1 15/22mm Page 3



EZ-Spout<sup>™</sup> healthcare 90° tap spout (includes spigot) Page 4



AT07-103

EZ-Spout<sup>™</sup> 60° tap spout (includes spigot) fitted with 5 LPM aerator



EZ-Spout<sup>™</sup> healthcare 60° tap spout (includes spigot) Page 4



EZ-Spout<sup>™</sup> 90 $^{\circ}$  tap spout (includes spigot) fitted with 5 LPM aerator



AT07-105

E20604N

Page 7

Catering sink - single

bowl, double drainer

Medi-Spout™ 90° tap in Page 5



AT07-106

Medi-Spout<sup>™</sup> 60° tap in



AT07-105W

Medi-SpoutTM 90° tap in white (includes spigot) Page 5



SANX805

Circular washtrough Page 6



SANX180SBF

Wall mounted washtrough Page 6



E20628D

Catering sink - double Page 7



Model A Washbasin



FRANKE HANDS-IN Hand Dryer Page 8



STRX220

FRANKE STRATOS Hand Dryer Page 8



HEALTHCARE



SAFE ENSUITES



TAPS & SHOWERS



WATER MANAGEMENT WC FLUSHING & URINAL CONTROLS

For more of our products, and to see what else DVS can offer, see our other catalogues.



EXOS220X

FRANKE EXOS Hand Dryer Page 8



RODX310

FRANKF RODAN Hand Dryer Page 8

SD01-002

WC02-004

UC07-008

cable

Page 11

Concealed tall plastic

cistern (cistern only, 2")

Automatic swan soap



XINX210

SD01-003

Automatic pillar soap



FRANKE XINOX Hand Dryer Page 8



EXOS600X

EXOS Paper towel holder s/steel complete coated Page 9



EXOS637X

EXOS Paper towel roll s/ steel complete coated Page 9



SD01-001

Automatic wall-mounted soap dispenser, chrome



SD01-008 Automatic pillar soap dispenser, nickel brushed finish





WC03-003

WC Flushvalve kit (2" base) c/w 3m cable Page 10



WC Flushvalve kit (2" base) c/w 3m cable & 6 x c-cell batteries Page 10



Concealed plastic cistern (cistern only, 2")

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



Page 11



WC02-002



Page 11



WC02-012

Concealed plastic cistern kit (2" kit) Page 11



UC07-010

Urinal control system - 1 station kit (infrared sensor) Page 12

4



AC02-023

sensor (urinal)

Page 12



Wall-mounted brushed

UC01-027

Pearl Solo downlighter kit for suspended ceilings Page 13



Urinal sensor pack 50mm

UC01-024

kit for suspended ceilings Page 13



Urinal sensor pack 50mm

AC01-001

UC07-009

3m cable

Page 12

Handheld DVS tap and sensor programmer with Page 15



AC02-017

UC01-001

Flushmatic surface mount

kit in grey (battery) c/w solenoid valve 0.5-8 BAR

Wall-mounted brushed s/steel programmable tap Page 15



UC01-009

Flushmatic surface

indicator (white)

Page 13

Wall-mounted brushed



Pearl downlighter kit for

suspended ceilings (white,

AC02-024

UC01-025

mains)

Page 13

Wall-mounted brushed s/steel programmable tap



F20610R

Catering sink - single left bowl, single drainer Page 7



















AC02-025

s/steel programmable tap















Aquarius WM straight tap spout only in s/steel

150mm with PEX tails

AT02-001









SD01-005

















D20161N



