



Automatic Taps



Classic automatic tap



Aquarius Wall Mount Automatic tap



Classic automatic tap with Twyford ceramic basins

No-touch Automatic Taps

No-touch automatic taps and accessories from Dart Valley Systems incorporate state-of-the-art design and technology and offer hygienic water dispensing solutions to all market sectors - including hotels, supermarkets, laboratories, hospitals, schools, universities, airports, motorway services and food factories to name a few.

DVS' extensive product range is suitable for use by the elderly or disabled and the superior heavy duty construction offers resistance to vandalism and misuse. Easy to install, with options for mains or battery operated, DVS no-touch products allow you to control your water efficiently, conserve energy and cut down on your costs without sacrificing performance and reliability.

How they work

With DVS automatic taps all of the electronics are housed within the body of the tap. The solenoid valve and power supply are connected to the tap using simple and secure IP65 rated cables and connectors.

When a user puts their hands under the tap, they are detected by an infrared sensor and the solenoid valve opens. The tap will run whilst there is motion in front of the sensor, allowing the user to wash their hands thoroughly without having to constantly re-activate the tap. Once the user removes their hands the electronics will automatically close the solenoid valve.

If the infrared sensor has been subject to vandalism and covered deliberately the tap will only run for approx 2 minutes before locking out until the sensors are cleared.

The DVS range of taps cover all requirements including deck mounting, wall mounting, high neck and long reach.

Features include:

- Up to 65% savings on water costs
- No-touch operation
- Hygienic - Helps avoid cross infection
- Easy to use - Ideal for disabled or elderly
- High performance & reliability
- Battery or mains powered
- Easy to install & maintain
- PEX lined hoses

What are the Benefits of Automatic Taps?

Hygiene

Automatic taps are the most hygienic option available for hand washing. This is a very important aspect for everybody, but of increased importance where people are handling food, or where cross contamination needs to be avoided.

Reliability

DVS automatic taps have been extensively developed and tested to achieve the current high levels of reliability. Dean Hazell of James Paget Hospital said "We first started trialling Dart Valley Systems' automatic taps over two years ago they have been totally reliable and are good value for money. Whilst the main consideration is hygiene to avoid cross contamination, automatic taps also make significant savings on water".

Water Savings

Electronic taps use the "optimum" amount of water. DVS normally fit a 6 litre flow reducing aerator (5 litre ECA approved available on request) on the spout to control the flow of water and the taps only run when the hands are placed under the spout, limiting the water use to the precise time required and preventing taps being left running.



Automatic Taps

Classic

Simple and robust, this traditionally designed tap is manufactured from chrome plated heavy brass, and like the entire DVS range of automatic taps incorporates DVS' award-winning micro-electronic technology. Standard finish for this tap is chromed brass.



D004
Classic - Chrome

Classic Swan

The elegant Classic Swan automatic tap is manufactured from chrome plated heavy brass, and like the entire DVS range of automatic taps incorporates DVS' award-winning micro-electronic technology. Standard finish for this tap is chromed brass.



D004/SWAN
Classic Swan - Chrome

Please Note: The operation of the Classic tap can be affected by reflective jackets, in which case, if these are used, one of the Aquarius range of taps may be more suitable. If in doubt please discuss with one of our technical staff.

Aquarius WM Straight

With its modern and simple design, the Aquarius wall mount tap ensures the ultimate in hygiene for the most discerning of clients.

The Aquarius wall mount tap is manufactured from stainless steel, with a solid 38mm stainless steel ingot for the head assembly. Standard finish for this tap is brushed, but polished is available as an extra. This tap is available in three standard lengths; 150mm, 200mm and 250mm



D615/S
WM straight - Brushed



D615/S
WM straight - Polished

Aquarius A32 and A45

Incorporating a modern and simple design, the A32 and A45 taps ensure the ultimate in hygiene. Perfect for all applications where hygiene is paramount, the robust design and build quality also makes it ideal for heavy industrial applications.

The A32 and A45 are manufactured from stainless steel, and with a solid 38mm stainless steel ingot for the head assembly. Standard finish for these taps is brushed, but polished is available as an extra.



D670/32
A32 - Brushed



D670/45
A45 - Brushed

Aquarius High Neck

With its extra high body and long reach design the Aquarius High Neck is perfect for raised sinks or glass bowls. Its simple but unique design also makes it exceptionally easy to clean.

The Aquarius High Neck is manufactured from stainless steel, with a solid 38mm stainless steel ingot for the head assembly. Standard finish for this tap is brushed, but polished is available as an extra.



D670/HN
High Neck - Brushed

Aquarius High Neck SV

This tap is a shorter version (SV) of the Aquarius High Neck tap. Its shorter body makes it ideal for recessed sinks whilst still retaining the main attractions of the original Aquarius High Neck. Standard finish for this tap is brushed, but polished is available as an extra.



D670/HN/SV
High Neck SV - Brushed





Automatic Taps

Aquarius Pillar and Pillar SV

Incorporating a modern long-reach design, the Aquarius Pillar is a robust and high quality tap that is perfect for raised sinks or glass bowls, as well as providing superior hygiene control.

This Pillar SV tap is a shorter version (SV) of the Aquarius Pillar. Its shorter body makes it ideal for recessed sinks whilst still retaining the main attractions of the original Aquarius Pillar.

These taps are only available in polished chrome finish.



D670/PILLAR
Aquarius Pillar - Chrome



D670/PILLAR/SV
Aquarius Pillar SV - Chrome

Aquarius A45 DOC.M

This tap has been designed to suit DOC.M and disabled sinks and is also ideal for most extra small basins. Standard finish for this tap is brushed, but polished is available as an extra.



D670/45/DOCM
A45 DOC.M - Brushed

Typical Savings

	Two Twist Taps	Push Taps	Automatic Taps
Consumption (per handwash)	2 litres	1.2 litres	0.8 litres
Consumption (per day)	200 litres	120 litres	80 litres
Consumption (per year)	50 m ³	30 m ³	20 m ³
Water Saving (per day)	-	80 litres	120 litres
Water Saving (per year)	-	20 m ³	30 m ³

Typical Saving with Automatic Taps = 30 M³ (per year)



Automatic Taps

All Aquarius taps have the option to have long lasting high-intensity LED lights fitted (at time of order), producing an incredible effect in the water.

The LED is programmed to switch on at the exact moment the solenoid valve opens, and switches off when the solenoid valves closes.

This adds an extra effect for washrooms where you want to create a special ambiance.

Features include:

- All the benefits of a standard DVS automatic tap
- High Intensity LEDs
- Long Lasting
- Unique design
- Easy to install and maintain
- Replaceable LEDs

Colour Options

DVS LED automatic taps are currently available in the following colours (from left to right):

- Blue
- Bright White
- Red
- Warm White
- Green





Automatic Taps

Control Systems & Spouts

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 wave-on or tactile sensors.

The tap control system also features built-in Purge control option to avoid stagnation.

When a user waves their hand past the sensor (or pushes the tactile switch) the control system activates the solenoid valve, the valve will then run for a pre-set time before automatically closing the valve and stopping the tap.

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



D107/2/T
Tap control system

Features include:

- Saves water, switches off after pre-set time
- No-touch operation
- Hygienic - Helps avoid cross infection
- Easy to use - Ideal for disabled or elderly
- High performance & reliability
- Easy to install & maintain
- Can individually control 1 or 2 taps
- Adjustable run-time
- Settings allow option to 'wave-off'
- Built-in purge control option to avoid stagnation

Tap Spouts (No Electronics)

Using DVS tap spouts with a separate control source, like the 'Tap Control System' for example, would provide solutions for various applications.

Discuss your application with DVS' technical sales team to ensure you obtain the optimum controls solution. Various settings can be customised quickly and easily from within the control box such as run-times and tap purges.

Features include:

- Stainless steel
- High security options available
- Can be used with or without electronic controls
- Easy to install



D173/AL/TAP/A/30
High security tap spout

D173/AL/TAP
High security bath spout

D600/S
Aquarius WM spout

Chrome Spout



D600/CP
Wall mounted fixed spout

Purge Controller

The automatic tap purge controller reduces maintenance and the risk of Legionella by purging the taps if they have not been operated for a predefined time.

Purge run times are adjustable and delay can be set to detect non-use between 6 hours and 15 days. Purge can be set between 5 seconds and 5 minutes. A periodic purge can be switched on or off.



D615/PURGE
Automatic tap purge controller

D615/PURGE/COUNTER
Automatic tap purge controller with LCD counter

Battery Backup Unit

The automatic tap battery backup unit will automatically switch from mains supply to battery in the event of a power failure (comes complete with D064 battery pack).

When mains power is restored the unit will switch back to mains supply.



D615/BBU
Automatic tap battery backup unit

D064
B Lead - Automatic tap battery pack



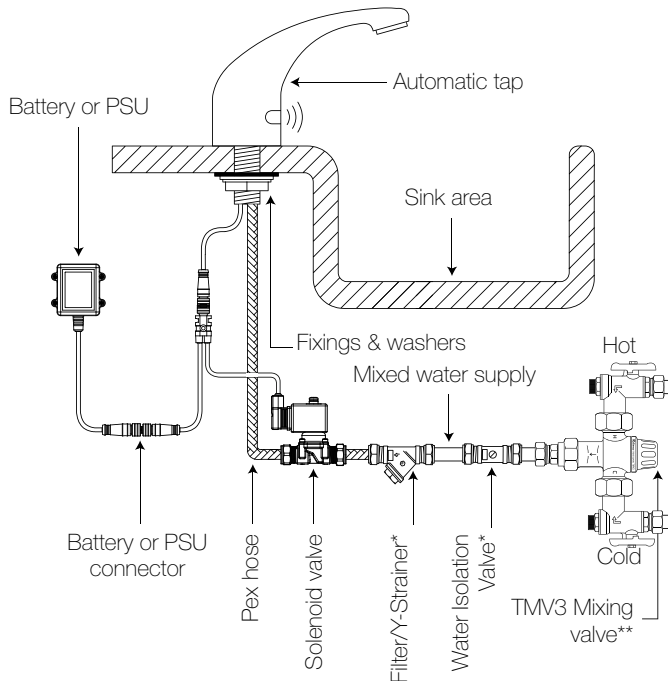


Automatic Taps

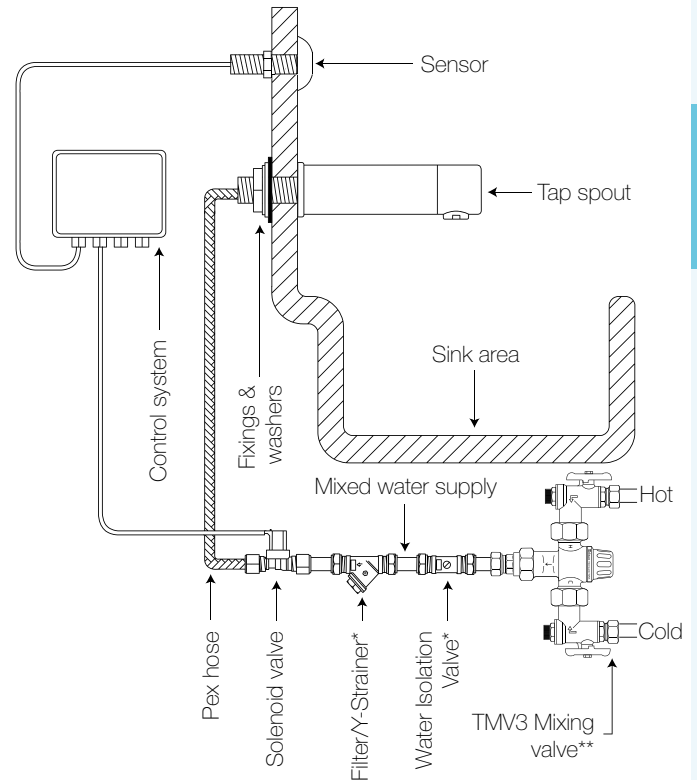
Typical Installations

Not to scale

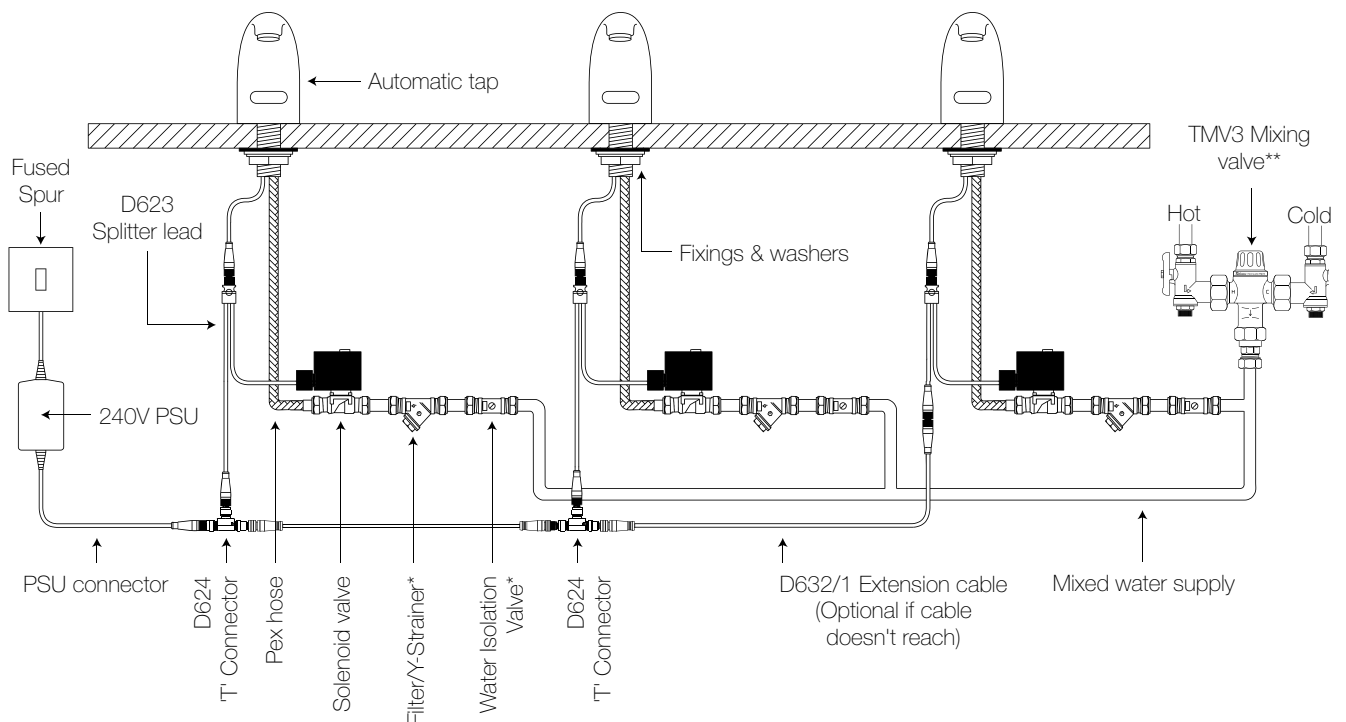
Standard Setup - Automatic Taps



Standard Setup - Tap Control System



Multiple Installations - Automatic Taps



*Not supplied. Can be ordered separately from DVS.

**Not supplied. Required for warm water output and to comply with new building regulations. Can be ordered separately from DVS.

Pressure Notes: All automatic taps come standard with a 12.7mm solenoid valve which requires 0.5 BAR to operate. Lower pressure valves can be provided if necessary, but please specify on order or contact DVS for advice.

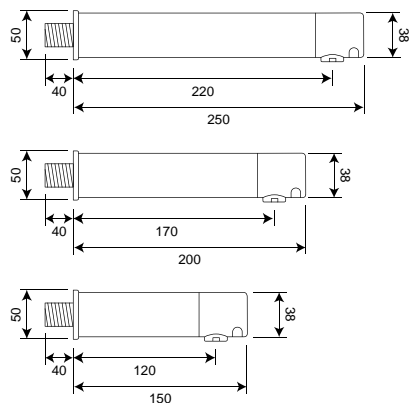


Automatic Taps

Dimensions

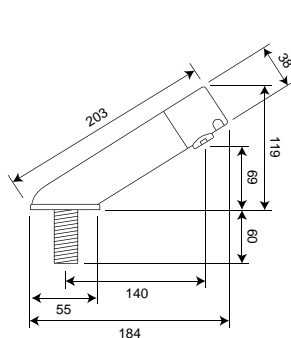
Not to scale

Automatic Taps



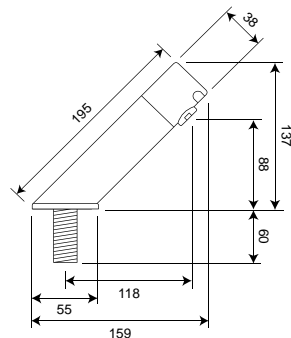
Aquarius WM Straight tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



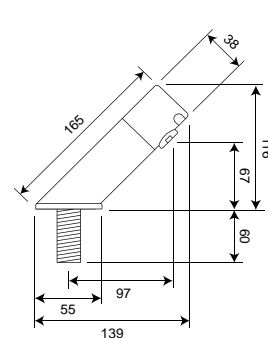
D670/32
Aquarius A32 tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



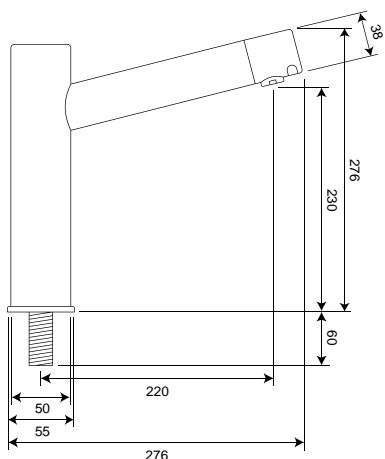
D670/45
Aquarius A45 tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



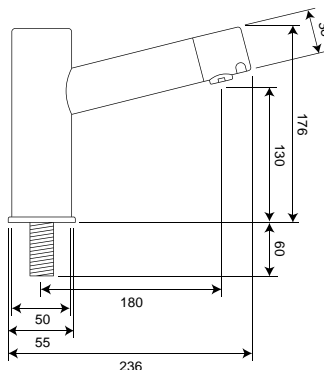
D670/45/DOCM
Aquarius A45 DOC.M tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



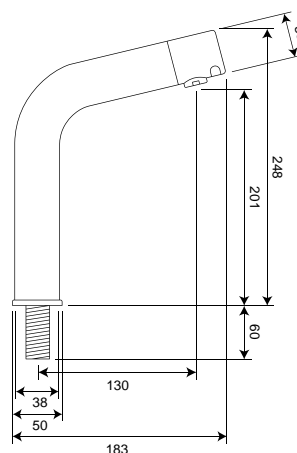
D670/PILLAR
Aquarius Pillar tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



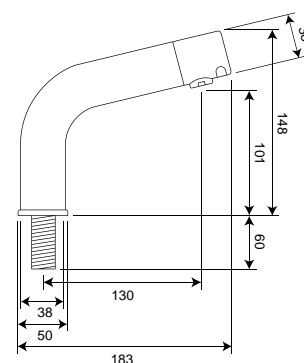
D670/PILLAR/SV
Aquarius Pillar SV tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



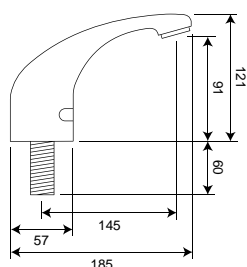
D670/HN
Aquarius High Neck tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



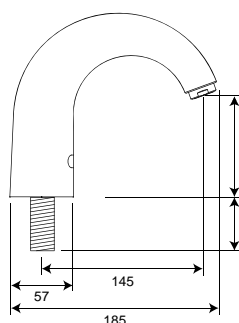
D670/HN/SV
Aquarius High Neck SV tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



D004
Classic tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)



D004/SWAN
Classic tap

Fixing: 3/4" BSP
(28mmø clearance drill hole)

Notes: Please see price guide on pages 29-31 for specific tap kit codes.

For more information regarding anti-rotation pins, please see our website or telephone our sales team

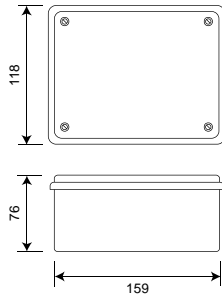


Automatic Taps

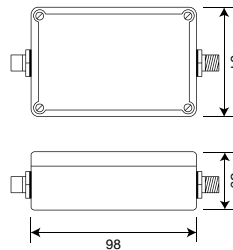
Dimensions

Not to scale

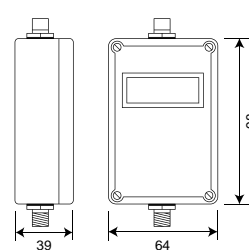
Control Systems and Sensors



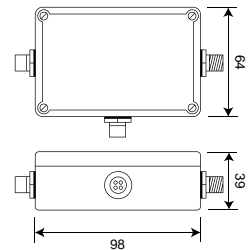
D107/2/T
Tap control system - Mains



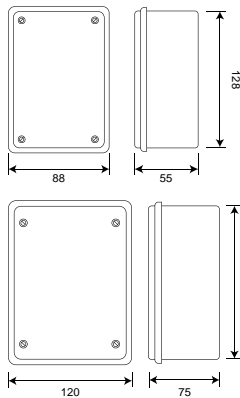
D615/PURGE
Purge controller



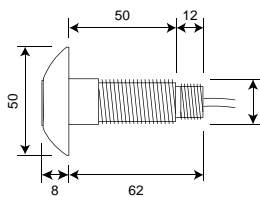
D615/PURGE/COUNTER
Purge controller with
LCD counter



D615/BBU
Battery backup unit

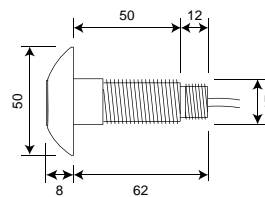


D107/2/T/AA (top)
D107/2/T/C (bottom)
2 Channel tap control box - Battery



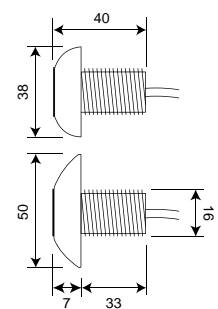
D102/AV/B (blue insert)
D102/AV/R (red insert)
Anti-vandal wave-on sensor
with 50mmø bezel

Cable length: 3m
Fixing: 1/2" BSP
Fixing for extension: 3/8" BSP
(22mmø clearance drill hole)



D104/50/B (blue insert)
D104/50/R (red insert)
Tactile switch with 50mmø bezel

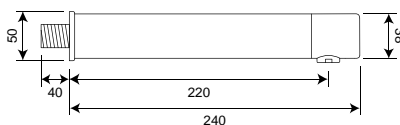
Cable length: 3m
Fixing: 1/2" BSP
Fixing for extension: 3/8" BSP
(22mmø clearance drill hole)



D102
Wave-on sensors with 38mmø
and 50mmø bezels

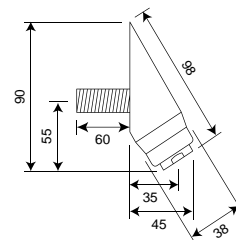
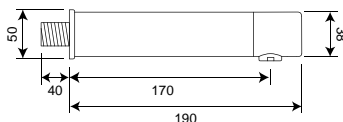
Cable length: 3m
Fixing: 3/8" BSP
(17mmø clearance drill hole)

Spouts (No Electronics)



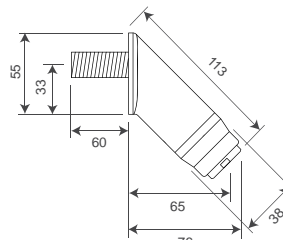
D600
Aquarius WM tap spout

Fixing: 3/4" BSP
(28mmø clearance drill hole)



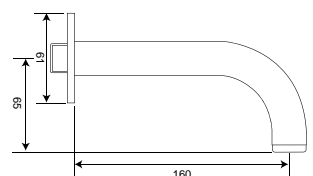
D173/AL/TAP/A/30
30° High security WM tap spout -
Stainless Steel

Fixing: 1/2" BSP
(22mmø clearance drill hole)



D173/AL/TAP
45° High security WM bath spout -
Stainless Steel

Fixing: 3/4" BSP
(28mmø clearance drill hole)



D600/CP
Wall mounted fixed spout - Chrome

Fixing: 3/4" BSP
(28mmø clearance drill hole)

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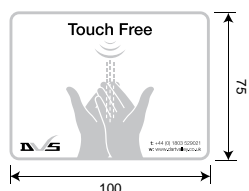


Automatic Taps

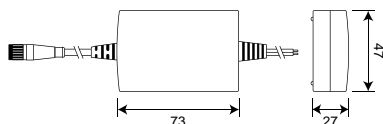
Dimensions

Not to scale

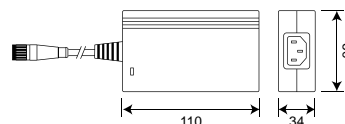
Accessories



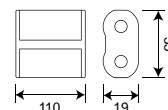
D029/TF
Touch free tap self-adhesive polythene label (comes as part of all automatic tap kits).



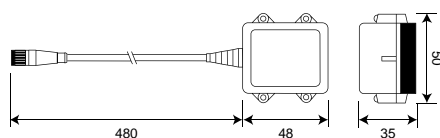
D222
Automatic tap single PSU - 6v
Mains cable length: 1m
Low voltage cable length: 1.5m



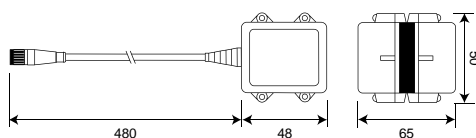
D224
Heavy duty PSU for Up to 6 taps - 6v
Mains cable length: 2m
Low voltage cable length: 0.5m



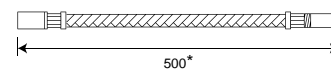
D057
Replacement battery for B lead - 6v



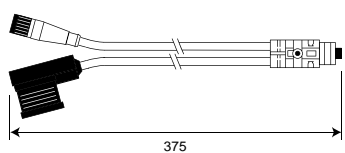
D064
B lead with battery and box - 6v



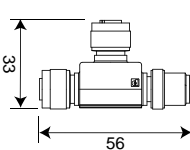
D064/D
B lead with double battery and box - 6v



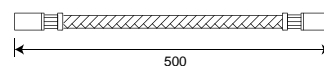
D026
Pex hose (*standard length)



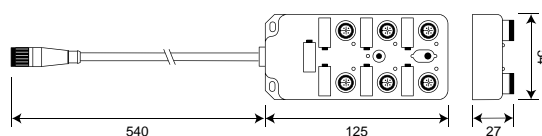
D623
A lead - Y splitter



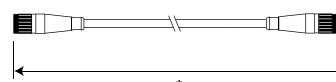
D624
T Connector



D026/15/15
Pex hose



D635
6-port outlet power connector



Extension leads
(*lengths range from 1M to 10M)



Classic automatic taps in a domestic environment