

TZ-FLOWTRIM



Flowmatic® Electronic Tapware & Control Valves

Flowmatic® Cell Call Activated Assembly 24AC Concealed for Flushing Rim Sink with Stainless Steel Face Plate

Pre Installation:

1. Water conditions must meet Operation Requirements (bottom right of page) before proceeding.
2. A pressure reduction valve may be required to comply with recommended maximum supply pressure.
3. If your water pressure is outside the stated range please contact Galvin Engineering.
4. Flush all supply lines to remove debris prior to the installation of this product.
5. Fit line strainer (supplied) to protect the solenoid valve from debris.
6. Access to the push button, solenoid valve and transformer/ GPO should be maintained for future maintenance.
7. It is recommended that isolating valves be installed upstream to the solenoid valve to allow for servicing.
8. 25 mm conduit should be used to house the leads so that wiring may be able to be removed.
9. The unit is supplied with 5 metres of lead on the transformer and 5 metres of lead from the solenoid. Additional lead lengths up to 5 metres may be accommodated (can be ordered separately).
10. Do not extend the existing leads on site without using the correct lead extension as this will void any warranty.
11. Consider ease of operation when selecting a location to install the face plate
12. Most installation problems are due to damage to the unit during installation or inappropriate installation location. Please select the location carefully and take care with the installation.

General Installation Requirements:

1. Suitable access for the service of all components must be provided.
2. It is recommended that acoustic dampening products or materials be used in facilities where increased levels of sound protection is required.

3. A water hammer arrestor may also be required.
4. Please ensure that the requirements of AS/NZS 3500.1: Plumbing and Drainage and the PCA are adhered to.
5. The number of valves and simultaneous demand must be considered when sizing pipes. If other fixtures are connected to the supply line, calculations of flow rates and pressures must be undertaken to ensure adequate water supply.
6. Limit the number of changes of directions in pipe work. This will result in less friction loss, better valve performance and reduce potential water cavitation noise.
7. The use of isolating valves is recommended for servicing and to assist in the control of flow and volume of water.
8. For personal installation assistance, please call our head office on 1300 514 074 and speak to our customer service staff.
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7. The use of isolating valves is recommended for servicing and to assist in the control of flow and volume of water.
8. Fittings should be tightly and securely fastened but care needs to be taken to ensure fittings are not over tightened which may result in damage to the product
9. For personal installation assistance, please call our head office on 1300 514 074 and speak to our customer service staff.

Operation Requirements	
Maximum working pressure	1250 kpa
Minimum working pressure	70 kpa
Recommended working pressure	350 kpa
Maximum Temperature	40°C
Minimum Temperature	2°C
Power Supply	240V AC





Installation:

Installation Site

A position above and to the right of the flushing sink is ideal. The best way to select the location is to stand centrally in front of the outlet and extend your right arm in front of you.

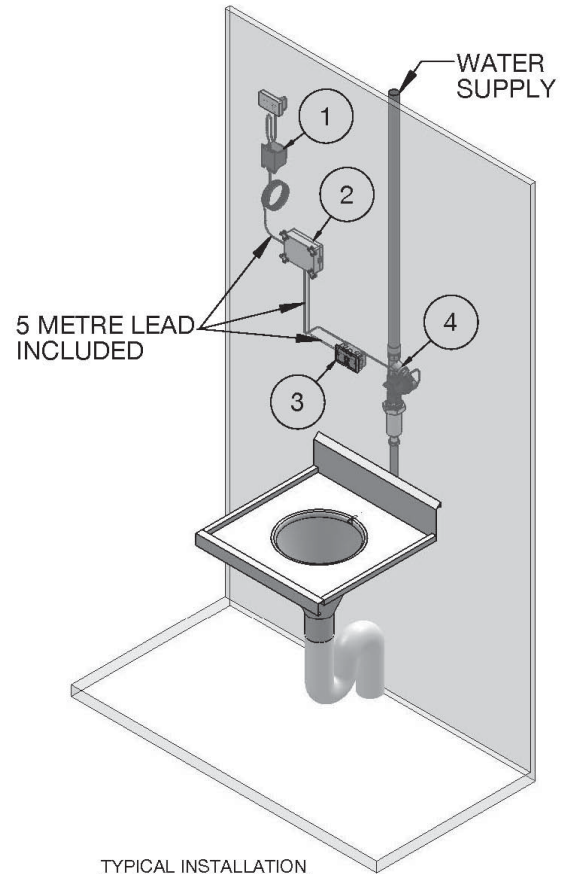
Mounting the Face Plate

1. The FLOWTAPC24 kit is supplied with a galvanised in wall electrical box.
2. The stainless steel sensor should be mounted flush to the wall over a 90 mm x 60 mm cut-out.
3. Apply a thin bead of silicon sealant to the inside of the plate around the electronics module.
4. Screw the face plate in place.

Mounting the Solenoid Valve

1. Check that the planned flow direction through the valve is correct.
2. Ensure that no Teflon tape, copper swarf, sand or other debris can enter and foul the solenoid valve.
3. Fit supplied line strainer upstream of the solenoid valve. Failure to do so may void the warranty.
4. Connect solenoid, in a horizontal position, to the water supply.
5. The outlet can be either wall mounted or hob mounted. (Outlets (hob or wall) are not supplied standard with the kit and must be ordered separately).
6. Important information: Solenoid valve must be activated 1-2 times a day if they are to be left in place for an extended period of time.
7. The water supply should be provided via normal plumbing practices, either cold or pre-mixed warm, using 2 cistern taps, plumbed to the outlet spout. It is recommended that a Thermostatic Mixing Valve or Tempering Valve be installed (depending on site requirements).
8. The 24V AC transformer should be plugged into a standard mains power point (GPO).
9. Mount the Control Module in a suitable position and connect the Face Plate, Solenoid and Power Transformer (the plugs are colour coded for easy connection to the Control Module).
10. Turn on the power point and test the unit. The outer blue ring on the Push Button should be illuminated. Pushing the button will activate the flushing sink.

Note that all electrical components should be protected from contact with water and installed in accordance with local regulations.



Item	Part#	Description	Qty
1	52028	Transformer Inline 24V Ac 3.0 Amp For Flowmatic Control Module	1
2	52504	Flowmatic Control Module 5 In / 5 Out 24V Ac (Standard Program)	1
3	52434	Flowmatic Safe-Cell Concealed Face Plate For Single Temp Basin	1
4	52049	Flowmatic Mains Flush Solenoid Kit 24C Ac 25mm [Mini Plug]	1

Trouble Shooting:

Problem	Fault	Remedy
Outer blue ring on push button not illuminated	No Power	Check power is reaching transformer
	Leads not connected correctly	Ensure all leads are firmly pushed into connectors
No Water Flow	No Power	Check power is reaching transformer
	Faulty solenoid valve	Check electrical connections. Replace solenoid valve
	Water or structural damage to electrical components	Replace damaged electrical components
	Incorrect connections	Check all connections
	Damage to sensor lead or power supply lead	Check and replace lead & controllers
	Pressure exceeding 500kpa	Reduce pressure to solenoid to 350Kpa
	Water corroded electrical connections	Replace electronic components
Continuous Water Flow	Solenoid valve jammed open	Remove obstruction from solenoid valve
	Solenoid installed incorrectly	Reinstall valve correctly
	Bypass valve on solenoid in	



Maintenance Instructions:

Solenoid Valve – (Supplied with own instructions)

1. Turn the water supply off.
2. Activate the sensor to drain as much water from the installation as possible.
3. Turn the power off at the GPO.
4. Remove the power plug from the solenoid.
5. It may be more convenient to remove the solenoid valve completely from the installation to service it.
6. Remove the top nut and pull off the coil.
7. Remove O-ring and black valve cover.
8. Unscrew the 4 screws and carefully pull plunger assembly from the valve body.
9. Separate the plunger tube from the diaphragm.
10. Be careful to retain all springs from inside the solenoid.
11. Wash the diaphragm in clean water and ensure the bleed hole is clear of any debris.
12. Please take note of the location of the components and reassemble in the correct order.
13. If the solenoid was removed from the line it may now be replaced.
14. Push the power plug from the sensor back onto the solenoid.
15. It is recommended that the line strainer be serviced and cleaned at this stage to ensure that dirt and grit isn't restricting the flow.
16. Turn power on and test the tap.

Push Button, Face Plate, Control Module and Power Transformer

These items are non-serviceable products. If damaged they must be replaced.

If there appears to be any problems with these items please contact Galvin Engineering

Note: Before attempting to replace any of these items check that you have access to re-run the connection leads. If you do not have access or you have any doubts please contact Galvin Engineering for advice before commencing replacement

Warranty:

Galvin Engineering warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, Galvin Engineering will, at its option, replace or recondition the product without charge.

THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE GALVIN ENGINEERING WITH RESPECT TO THE PRODUCT. GALVIN ENGINEERING MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. GALVIN ENGINEERING HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which Galvin Engineering has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product

