



GalvinCare® Rear Fixed Mental Health Anti-Ligature Handle Shower Mixer without Button

PRODUCT CODES:

- SMVA23 (50200UK)



1.0 INTRODUCTION

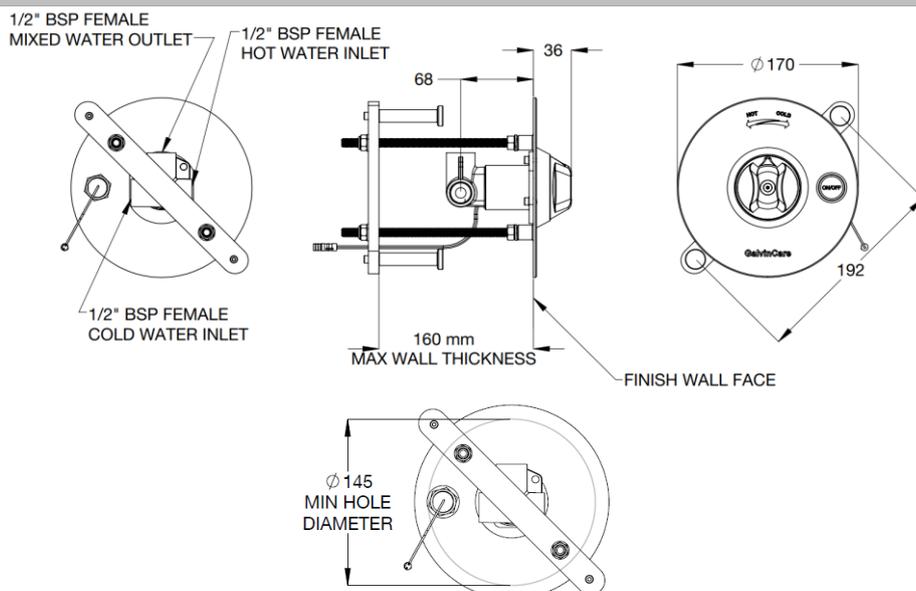
The GalvinCare® Rear Fixed Mental Health Anti-Ligature Shower Mixer for electronic activation is a mixing valve suitable for a wide range of applications. The mixing valve has the following features:

- This unique design concept eliminates the institutional look and provides anti-ligature features and vandal resistant compliance.
- Easy to use Anti-Ligature control handle minimises ligature risk.
- Easy operation allows the shower to be activated with the palm of your hand or fingers.
- 170mm round faceplate gives a homely look and can withstand heavy knocks.
- Easy temperature blending and operation to ensure comfort and safety for the user.
- Beveled edges for maximum tight fixing.

2.0 SAFETY

The GalvinCare® Rear Fixed Mental Health Anti-Ligature Shower Mixer is a high-performance valve designed to give stable and dependable operation, provided it is installed, operated and maintained as per the recommendations outlined in this manual. It should be noted however that this valve should not be considered as an alternative to adequate supervision and duty of care during its use and operation.

3.0 DIMENSIONS



4.0 WATER SUPPLY CONDITIONS

INTRODUCTION



This GalvinCare® Rear Fixed Mental Health Anti-Ligature Shower Mixer is manufactured to the highest standards. When installed the supply conditions detailed below must be observed.

TECHNICAL DATA

Inlet		½" BSP – Female
Outlet		½" BSP – Female
Headwork		Ceramic Disc Cartridge
Working Pressure Range (kPa)	Min	50
	Max	500
Working Temperature Range (°C)	Min	5
	Max	80
Construction		Brass
Finish		Chrome
Minimum Wall Cavity Diameter (mm)		146

NOTE: Galvin Engineering continually strive to improve their products. Specifications may change without notice.

5.0 INSTALLATION

The GalvinCare® Rear Fixed Mental Health Anti-Ligature Shower Mixer must be installed using the appropriate Standard, Code of Practice and legislation applicable to point of install.

The GalvinCare® Rear Fixed Mental Health Anti-Ligature Shower Mixer must be installed by a licensed plumber.

If the valve is not installed correctly then it will not function correctly and may put the user in danger. It may also void the warranty of the valve.

Prior to the installation of the valve, the system must be checked to ensure that the system operating conditions fall within the recommended operating range of the mixer. If the hot water supply temperature is greater than 80° Celsius, the valve may be damaged. If the temperature of the hot water will rise above 80° Celsius a suitable temperature limiting valve must be fitted to the hot water supply, prior to the inlet fittings. This temperature limiting valve must be installed as per the manufacturer's instructions. It is important that both inlet dynamic supply pressures are 500kPa or less. If either supply pressure exceeds 500kPa then a suitable pressure reducing valve must be fitted prior to the inlet control valve to reduce the pressure to an acceptable limit.

These pressure reducing valves must be installed as per the manufacturer's instructions. To achieve optimum performance from the valve it is recommended that the inlet pressures are balanced to within 10% of each other.

To ensure that the mixing valve operates correctly, it is necessary that the pipe-work is thoroughly flushed with clean water before the valve is installed. This will remove any physical contaminants from the pipe-work, ensuring trouble-free operation. During the flushing procedure, care should be taken to prevent water damage occurring to the surrounding area.

The valve should be installed so it can be easily accessed for maintenance or servicing.

During installation or servicing, heat must not be applied near the mixing valve or inlet fittings, as this will damage the valve and inlet fittings internals. Failure to comply with this requirement will damage the valve and fittings. It will put the user at risk and it will void the warranty of the valve.

Access to the rear of the unit is required to fit this product.

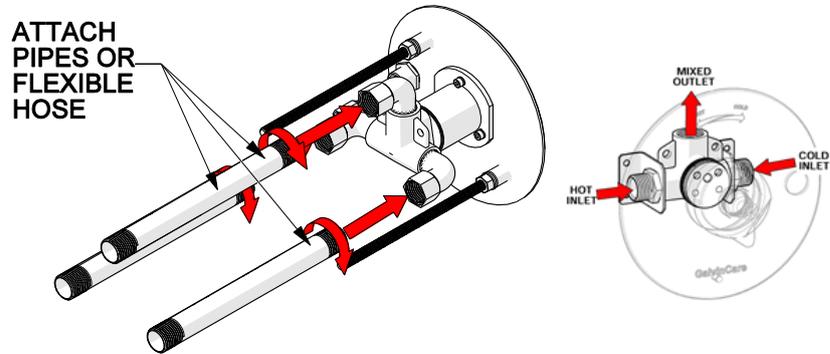
Water supplies should be at reasonably balanced pressures from a common source (e.g. hot and cold supplies both from the same storage or from a supply pipe). When dealing with unbalanced supplies (e.g. hot and cold supply from separate sources) an 'Approved' single check valve or some other equally effective backflow prevention device shall be fitted immediately upstream on both hot and cold water inlets.

NOTE: To effectively control microbial hazards during system design, installation, commissioning and maintenance, the requirements of local legislation shall be adhered to.

NOTE: In some installations, certain types of tapware devices such as flick mixers and solenoid valves are used. The water pressure may be seen to spike outside that recommended for the valve, during rapid shut off conditions with these types of devices. Even if the spike only lasts a split second it is still considered to be outside the operating conditions and may cause the valve to operate incorrectly. In the event that this does occur, measures must be taken to control the spike, such as the installation of an inline pressure reducing valve directly before the valve inlets.

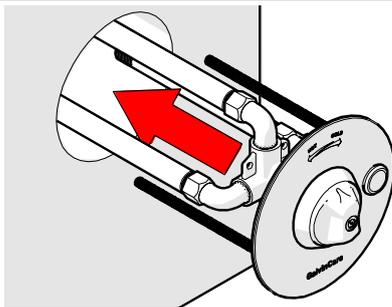


5.1 SHOWER INSTALLATION

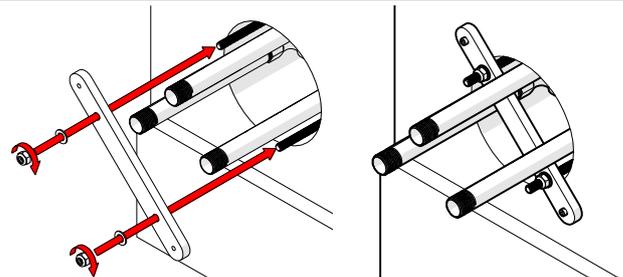


1. Fit hot, cold and outlet water pipes to the shower unit. (Elbows not supplied).

Note: Do not use heat on these connections as it will damage the shower unit.



2. Apply silicon sealant to the lip on the faceplate to seal faceplate to the wall.
3. Fit the shower unit complete with pipes into the wall.



4. Secure the unit using the supplied back brackets, washers and nuts (as shown).

Note: Do not overtighten securing Nyloc nuts. Tighten to a max. of 6Nm when fitting. Use the spacers if necessary for thinner walls, remove for thicker walls.

5. Wipe excess sealant from between faceplate and wall.

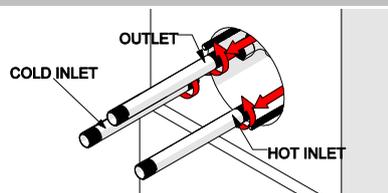
6.0 OPERATION

The piezo button is pushed to start water flow.

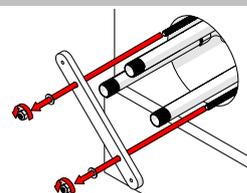
As the handle is rotated anti-clockwise the delivered water progresses from cold through warm to the maximum temperature.



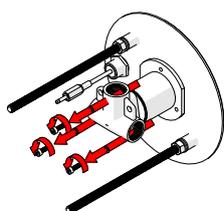
7.0 SERVICE & MAINTENANCE



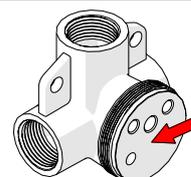
- 1. Disconnect water line**
 - Turn off water supply and turn on the tap handle to release any pressure in the lines.
 - Disconnect from controller.
 - Disconnect cold, hot & outlet water connections



- 2. Remove faceplate assembly**
 - Remove M8 nuts from studs.



- 3. Remove screws**
 - Loosen screws from the rear of the body



- 4. Check and clean body**
 - Check and clean the body of all debris.
 - Clean or replace diverter cartridge.

- 5. Re-assemble**
 - Re-assemble, by reversing steps 3 to 1, ensuring sealing compound is used when connecting water supply and outlet.

- 6. Re-test**
 - Once fully assembled turn on water supply and check for leaks and correct operation.

8.0 TROUBLESHOOTING

PROBLEM	CAUSE	RECTIFICATION
Faceplate does not sit flush on Wall surface	Recommended minimum hole diameter is incorrect or the Wall is not flat	Insure rough in details are acheived
The desired mixed water temperature cannot be obtained	Hot and cold water supply are fitted to the wrong connections	Re-fit the valve with hot and cold water supply to the correct connections.



9.0 WARRANTY

The Galvin Engineering CliniMix Progressive Thermostatic Mixing Valves are guaranteed free from manufacturing faults for a period of 12 months, subject to the condition outlines below;

GALVIN ENGINEERING PRODUCT WARRANTY

Subject to the warranty conditions and exclusions set out below, Galvin Engineering products are warranted to be free from defects in materials and/or workmanship for a period of 12 months service life, and if found by Galvin Engineering to be so defective will be replaced as set out below. If the product is sold by a party other than Galvin Engineering, then it is sold by the seller as principal and the seller has no authority from Galvin Engineering to give any additional warranty on behalf of Galvin Engineering.

The benefits of this warranty are in addition to all other rights and remedies which the purchaser may have under the Trade Practices Act or similar laws of each State and Territory in Australia.

Warranty Conditions and Exclusions

Conditions:

1. The TMV must have been installed by a licensed plumber in accordance with the Galvin Engineering Installation Instructions and Application Guidelines supplied with the valve, and in accordance with National Plumbing and Drainage Code current at the date of installation and all relevant statutory and local requirements in which the product is installed.
2. Where the product is installed outside the boundaries of a metropolitan area as defined by Galvin Engineering, the cost of transport insurance and travelling shall be the purchaser's responsibility.
3. Where the valve comprises part of a hot water system, installation of that system must be in accordance with its manufacturer's recommendation, the Code and all relevant statutory and local State or Territory requirements.
4. The valve must be returned to Galvin Engineering together with a fully and correctly completed Galvin Engineering Warranty Claim Form.
5. Where the valve is replaced under warranty the replacement valve carries a new warranty as detailed herein.

Exclusions:

Replacement work will be carried out as set out in the Galvin Engineering Warranty above, but the following exclusions may cause the warranty to become void, and may incur a service charge including cost of parts where:

1. Damage has been caused by accident, Acts of God, misuse, incorrect installation, incorrect installation of the water supply system of which the product forms a part or attempts to disassemble the valve.
2. It is found that there is nothing wrong with the product
3. The failure of the valve is due in part or in whole to faulty manufacture/installation of the hot water supply system of which the product forms part.
4. The valve has failed directly or indirectly as a result of excessive water pressure or temperature outside the Supply Pressure Requirements, or corrosive environment.
5. The valve has failed due to foreign matter either from installation or the water supply.
6. The failure of the valve is due to scale formation in the waterways of the valve.
7. The failure of the valve is due in part, or in whole, to installation not in conformance with the requirements of the Code.
8. Galvin Engineering reserves the right to change its specifications without prior notice and will not accept liability for any claim arising from such change.
9. Subject to any statutory provisions to the contrary, claims for damage to furniture, carpets, walls, foundations or any other consequential loss either directly or indirectly due to leakage from the valve are also excluded from warranty cover.

Wallgate terms & conditions of sale available on request.

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