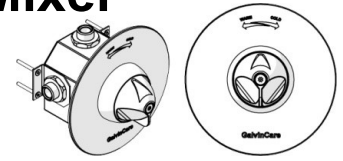


GalvinCare[®] Thermostatic Progressive Mixer

PRODUCT CODES:

- WM-TMVPMSCS



SPECIFICATIONS

- This progressive shower mixer provides state of the art features to comply with healthcare requirements.
- The GalvinCare[®] paddle handle provides straight forward temperature control and minimises ligature risk.
- Suitable for high and low pressure systems with a thermostatically controlled water temperature of 113°F/45°C maximum.
- Enables water to be mixed closer to the point of discharge, minimising stagnant warm water which provides ideal conditions for legionella bacteria to grow.
- Smooth internal components and body reduces scale build-up and bacteria growth.
- Maximum temperature limiter fitted for protection from accidental scalding.
- Water flow starts from cold ensuring safe usage.
- Clean smooth lines facilitate fast and easy cleaning.
- All servicing and commissioning can be done without removing the device. Easy access isolators, help minimise time spent on commissioning and maintenance.
- Designed to provide stable mixed temperature with rapid shut down in the event of cold or hot water supply failure.

IMPORTANT: All GalvinCare[®] mental health fixtures leave our premises in good working order. **The following instructions must be followed in all respects and read in conjunction with Clinimix[®] Progressive Thermostatic Mixing Valve Manual.**

TECHNICAL DATA

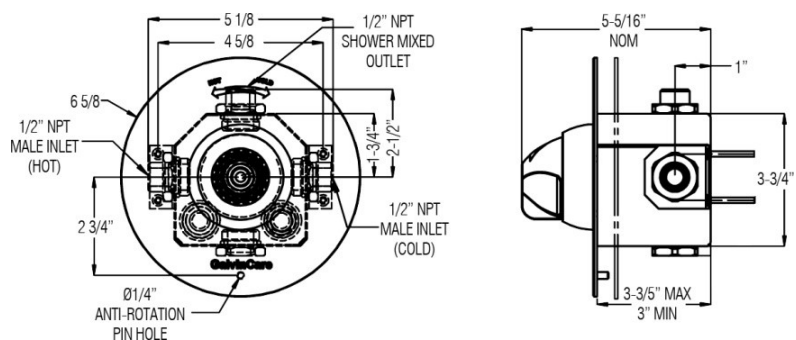
| | | |
|-----------------------------------|---------------------------|----------|
| Inlet | 1/2" NPT – Male | |
| Outlet | 1/2" NPT – Male | |
| Headwork | Thermostatic mixing valve | |
| Working Pressure Range (psi/kPa) | Min | 3/50 |
| | Max | 72.5/500 |
| Working Temperature Range (°F/°C) | Min | 41/5 |
| | Max | 185/90 |
| Finish | Chrome | |

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

PRE-INSTALLATION

MOUNTING DETAILS – OVERALL DIMENSIONS

- The rough in details have been provided to show correct fitment of the Progressive Shower unit (see side image).
- The unit must be mounted so that the inlet is horizontal and the outer plastic box of the Progressive shower unit stocks out of the finished wall (to a maximum 3/8" or 10mm)



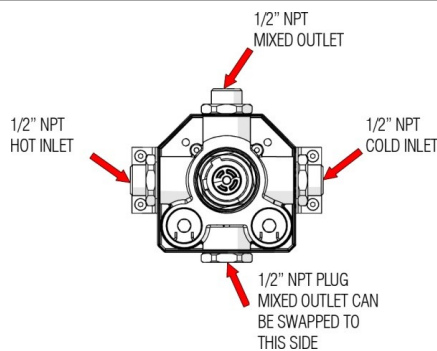
TOOLS REQUIRED

- Power drill
- Spanner and hex key

INSTALLATION

INSTALLATION COMPLIANCE: Galvin Specialised products must be installed in accordance with these installation instructions and in accordance with local regulatory requirements. Water and/or electrical supply conditions must also comply to the applicable national and/or local standards. Failing to comply with these provisions shall void the product warranty and may affect the performance of the product.

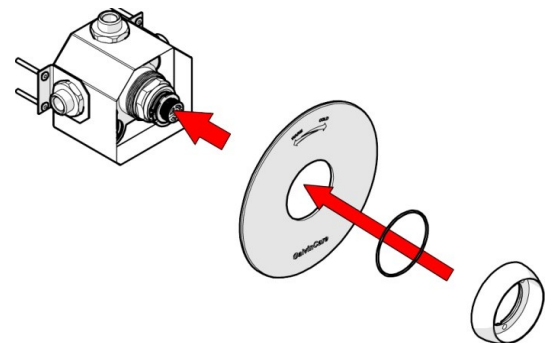
IMPORTANT: Whilst our product designs take into account a broad range of installation types and surfaces, it is important that surfaces which fixtures are mounted to are flat and free from defect. This is especially important when installing product ranges that have been designed for correctional and health facilities, where special attention is required to minimise ligature points and areas for concealment of contraband. In addition to ensuring the products are fitted securely and in accordance with the following instructions, consideration shall be given to the use of non-pick mastics such as Sikaflex 11FC or Dow Corning 995 Silicone Structural Sealant to ensure a high quality and safe installation.



1. Fit body assembly

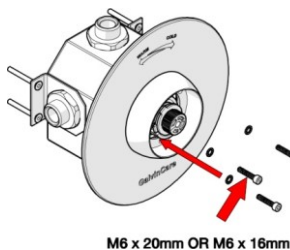
- Fit hot and cold water supplies to the correct side of the shower unit and the outlet to the shower head. To make this easier the outlet can be changed from one end to the other by swapping it with the opposite plug. Do not use heat on any of these connections as it will damage the shower.

Note: Hot and cold inlet cannot be swapped.



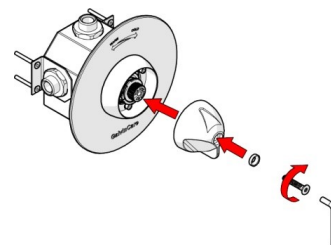
2. Fit face plate

- Fit the faceplate and shower flange.
- Ensure faceplate anti-rotation pin sits correctly and the o-ring is fitted underneath the flange..



3. Secure flange

- Secure the flange with the three supplied screws.
- Use supplied M6x20mm long screws, if not suitable change to M6x16mm long screws.



4. Fit handle

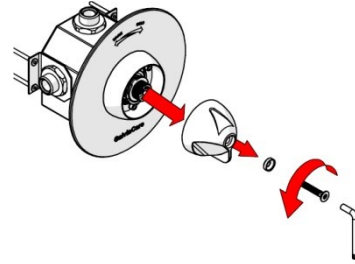
- Secure the handle with supplied tamper proof screw.
- Ensure the handle is oriented correctly.

SERVICE AND MAINTENANCE (see supplied booklet for complete details)



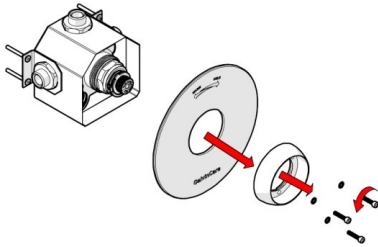
1. Disconnect water line

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



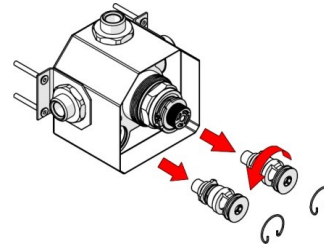
2. Remove handle assembly

- Unscrew the tamper proof screw from handle
- Pull out handle assembly from the body



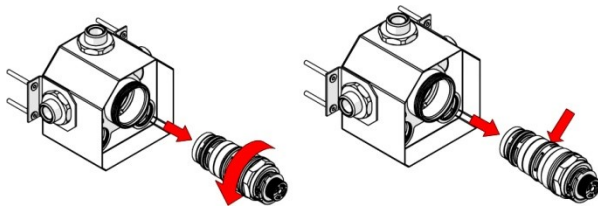
3. Remove faceplate and flange

- Unscrew the three screws and pull out the flange and faceplate from unit.



4. Isolate the shower

- To isolate the shower, remove clips, and loosen the isolators in an anti-clockwise direction until it's flush with the face of the body. This closes the shut off valves.
- Fully remove isolator to access non return valve and clean strainers.
- To re-open the shutt off valves tighten the valve regulator/check valve/filter units until tightened (do not over tighten) and refit the two clips.



5. Remove cartridge nut and check cartridge

- Unscrew cartridge and remove from body. Check the cartridge for wear and damage. Replace if required.
- Check and clean the body of all debris.



6. Re-assemble

- Re-assemble, by reversing steps 5 to 1.
- Turn on water and check for correct operation.
- Once fitted turn on water and check for leaks and correct operation.

| TROUBLESHOOTING | | |
|--|--|--|
| PROBLEM | CAUSE | RECTIFICATION |
| The desired mixed water temperature cannot be obtained or valve is difficult to set. | <ul style="list-style-type: none"> – Hot and cold supplies are installed to the wrong connections – Thermostatic cartridge contains debris or is damaged – Strainers contain debris – Non-return devices are damaged | <ul style="list-style-type: none"> – Refit the valve with hot/cold supplies fitted to the correct connections – Clean cartridge ensuring all debris is removed and components are not damaged. Replace if necessary. – Clean strainers of debris. – Check non-return device is not jammed – Check for airlocks in the water supply. |
| The water temperature selected is cold yet hot water comes out. | <ul style="list-style-type: none"> – Hot and cold connections are installed in reverse. | <ul style="list-style-type: none"> – Re-fit the valve with hot and cold water supply to the correct connections. |
| The thermostatic mixing valve will not shut down | <ul style="list-style-type: none"> – The hot to mix temperature differential is not 18°F/10°C or greater. – Thermostatic cartridge contains debris or is damaged. – Non-return devices are damaged. | <ul style="list-style-type: none"> – Raise the hot water temperature. – Clean the cartridge ensuring that all debris is removed. |
| Mix temperature unstable | <ul style="list-style-type: none"> – Flow rate below 0.5 gpm (2lpm) – Thermostatic cartridge contains debris or is damaged. – Strainers contains debris. – Non return devices are damaged | <ul style="list-style-type: none"> – Rectify any pressure deterioration – Clean the cartridge ensuring that all debris is removed and components are not damaged. Replace if needed. – Clean strainers ensuring debris is removed. – Check non-return device is not jammed. |
| Mix temperature changing over time | <ul style="list-style-type: none"> – Inlet conditions (pressure or temperatures) are fluctuating. – Strainers contain debris | <ul style="list-style-type: none"> – Install suitable pressure control valves to stabilise inlet conditions. – Clean strainers ensuring debris is removed. |
| Either full hot or cold flowing from outlet fixture | <ul style="list-style-type: none"> – Upper temperature ring is not correctly set. – No flow from hot and cold supplies. – Damaged check valves | <ul style="list-style-type: none"> – Re-set temperature to between 95-115°F (35-46°C) as required – Check water is switched on. – Replace faulty check valves |
| Water is not flowing from outlet. | <ul style="list-style-type: none"> – Hot or cold water failure. – Thermostatic cartridge contains debris or damage. – Strainers contain debris | <ul style="list-style-type: none"> – Restore inlet supplies and check mix temperature. – Clean the cartridge ensuring that all debris is removed and components are not damaged. Replace if needed. – Clean strainers. |

WARRANTY

The warranty set forth herein is given expressly and is the only warranty given by the Galvin Engineering Pty Ltd. With respect to the product, Galvin Engineering Pty Ltd makes no other warranties, express or implied. Galvin Engineering Pty. Ltd. 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.

Galvin Engineering Pty Ltd products are covered under our manufacturer's warranty available for download from www.galvinengineering.com.au Galvin Engineering Pty Ltd expressly warrants that the product is free from operational defects in workmanship and materials for the warranty period as shown on the schedule in the manufacturer's warranty. During the warranty period, Galvin Engineering will replace or repair any defective products manufactured by Galvin Engineering without charge, so long as the terms of the Manufacturer's warranty are complied with.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and Galvin Engineering Pty Ltd 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 labour charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, electrical 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.