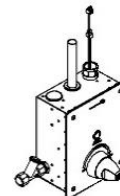


GalvinCare® Electronic Mental Health A/L Concealed Ezy-Grip Shower Mixer

PRODUCT CODES

- 52406



SPECIFICATIONS

- Brushed stainless steel finish
- Anti-ligature features
- Vandal resistant
- Minimises hiding of contraband
- Minimises suicide risk
- Minimises self-harm

IMPORTANT: All GalvinCare® tapware is tested in accordance with AS/NZS 3718 and leave our premises in good working order.

TECHNICAL DATA

Solenoid	Input Voltage	24V AC – 50Hz	
	Power Consumption	8 W	
	Cable length	5m	
Sensor	Type	IP68 24V	
	Activation	Push Button	
	Connections	2 pin connector	
	Cable length	5m	
Connection	Inlets	½" BSP - Female	
	Outlet	¾" Cu Tube	
Supply Water Conditions	Pressure Range (kPa)	Min	50
		Max	500
	Temperature (°C)	Min	5
		Max	90
Finish	Stainless Steel		

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

TOOLS REQUIRED

- Power drill
- Spanner or adjustable crescent

PRE-INSTALLATION

IMPORTANT:

- **INSTALLATION COMPLIANCE:** Galvin Engineering products must be installed in accordance with these installation instructions and in accordance with AS/NZS 3500, the PCA and your local regulatory requirements. Water and/or electrical supply conditions must also comply to the applicable national and/or state standards. Failing to comply with these provisions shall void the product warranty and may affect the performance of the product (Refer supplied installation compliance sheet with the product).
- Pipe sizing shall comply with AS/NZS 3500.1 and shall be hydraulically calculated.
- Before proceeding with installation first check the solenoid valve supplied is suitable for the site water pressure and conditions. If your water pressure is outside the stated range, please contact Galvin Specialised.
- Ensure all supply lines are flushed thoroughly to remove debris prior to the installation of this product. A line strainer is supplied to protect the solenoid valve from debris.
- We recommend a thermostatic mixing valve is used to provide premixed water to the valve and a pressure reduction valve may be required to comply with recommended maximum supply pressure.
- Pressure reduction valve or water hammer device may be required to comply with recommended maximum supply pressure.
- Ensure that access to the push button, solenoid valve and transformer/GPO is available for future maintenance when installing the components. It is recommended that isolating valves be installed upstream to the solenoid valve to allow for servicing. All wiring must be able to be removed when installed into cavities or walls, therefore, it is recommended that a minimum of 25mm conduit be used to house the leads. The unit is supplied with 3 meters of lead on the transformer and a 5 meters lead from the solenoid. Additional lead lengths may be accommodated up to a length of 5m but must be ordered separately.
- Whilst our product designs consider 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 for our Safe-Cell® Electronic range 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 BASF Sonolastic "Ultra" to ensure a high quality and safe installation.
- Most installation problems are due to damage to the unit during installation or the selection of an inappropriate installation location. Select the location carefully and take care with the installation, consider ease of operation for the end user.

GENERAL INSTALLATION REQUIREMENTS

- Do not cut the wires or extended the existing leads without using a correct lead extension from Galvin Specialised, as this will void warranty.
- Suitable access to the service of all components must be provided.
- It is recommended that acoustic dampening products or materials be used in facilities where increased levels of sound protection is required. A water hammer arrestor may also be required.
- 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.
- 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.
- We recommend fitting isolating valves before solenoid for easy servicing.
- Do not apply heat near this product during connecting water line. Heat generated by soldering could damage plastic or electrical parts and seals, and will void the warranty.
- For personal installation assistance and spare parts, please call our head office on 1300 514 074 and speak to our customer service staff.

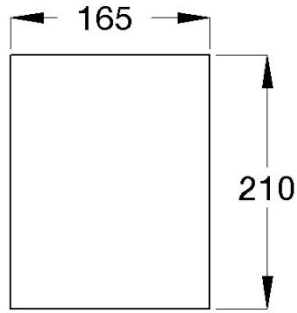
MOUNTING DETAILS

Face plate cut out position

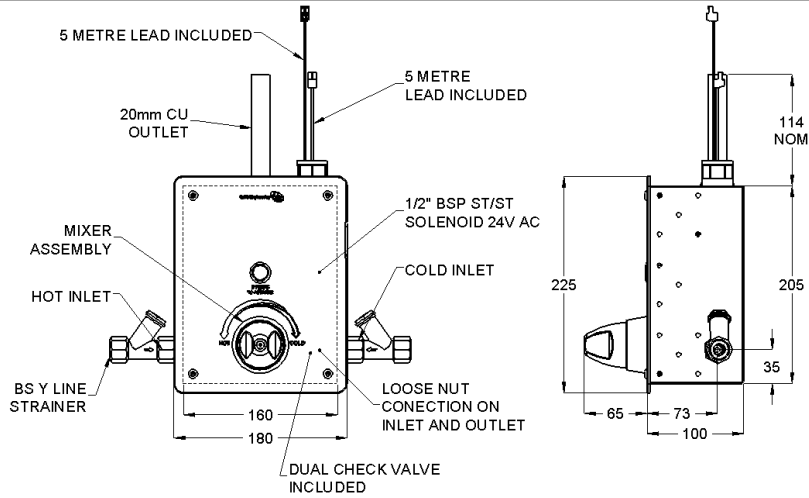
- Locate push button faceplate at a suitable distance from the shower head.

Cut out details for face plate

The stainless steel face plate assembly should be mounted flush to the wall over a 165mm x210mm cut-out, ensure wall depth is 100mm minimum .




COMPONENT DIMENSIONS

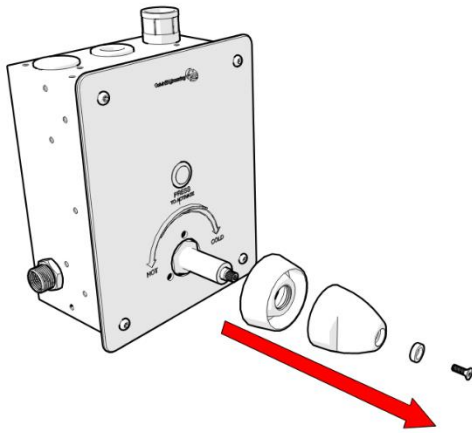


INSTALLATION

Avoid common installation errors :

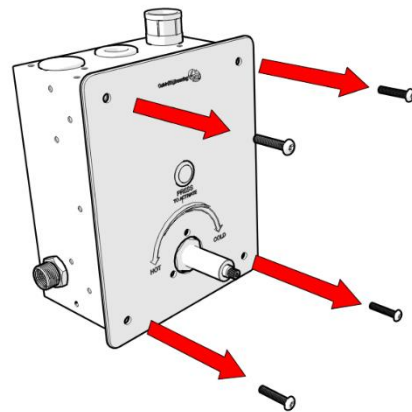
-  - Incorrect supply pipe size installed.
- Non-compliance to Australian Standards.
- Water pressure not tested before installation

- Lines not flushed before installation.
- No access for service.
- Valve not commissioned properly.



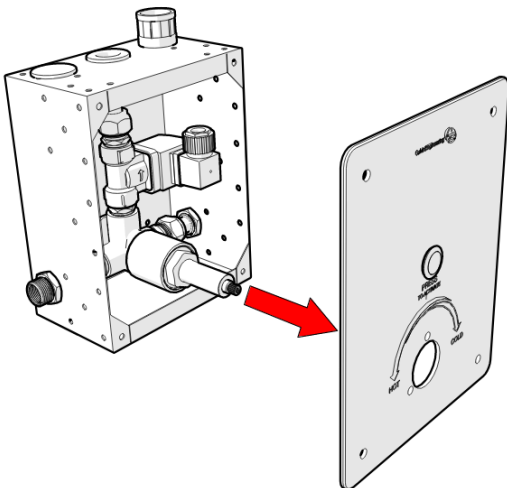
1. Remove handle assembly

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

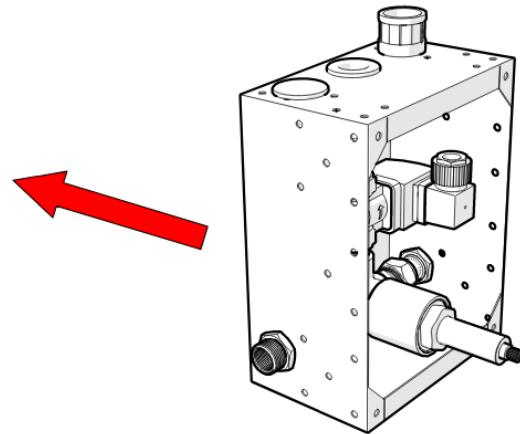


2. Remove flange screws

- Unscrew the flange screws

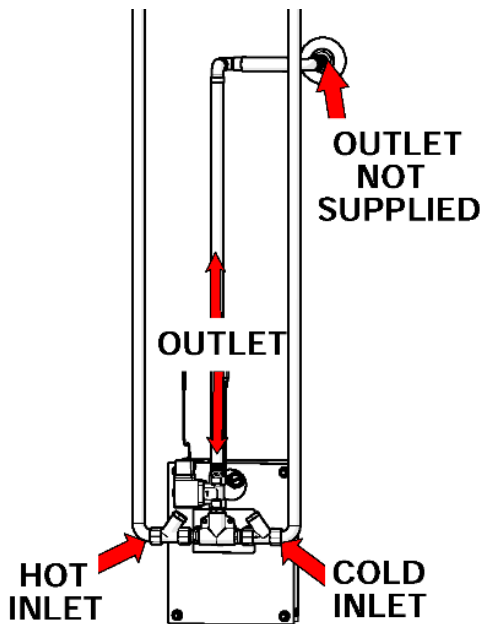


3. Remove faceplate (with button) and flange



4. Fit body assembly

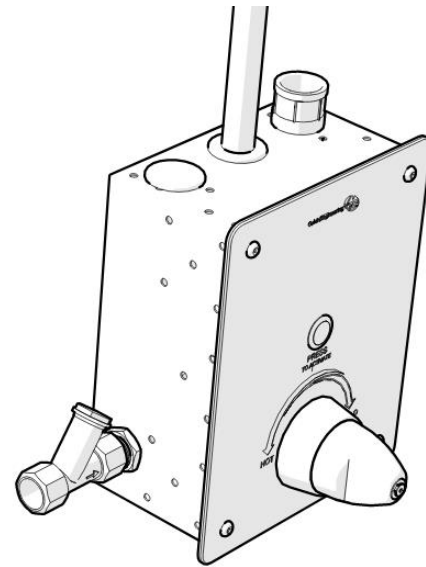
- Mount supplied Galv Inwall box into the wall 1 or 5mm below the finished wall surface.
- The Galv Inwall box can be fixed to a masonry wall or wall frame using screws suitable for the fixing method. (Fasteners to be supplied by installer).
- We recommended that all cabling is fed through 25mm conduit to make servicing and replacement easier.
- **If extension leads are required, please contact Galvin Engineering.**



5. Connect water supply

- Connect water supply to correct inlets as shown, ensure a suitable sealing compound is used
- Connect correct outlet connection to shower outlet.

⚠ Note: Water supply should be flushed before fitting.



6. Secure faceplate & Flange

- By reversing step 3 to 1 to assembly faceplate, flange & handle.
- After assembly, test unit for correct operation.

TROUBLESHOOTING

PROBLEM	CAUSE	RECTIFICATION
Water flow does not match faceplate markings	Handle not aligned correctly to faceplate	Remove handle and rotate on the spline until handle matches faceplate. Re-tighten
	Outlet on body not connected to the correct service outlet	Change outlet connection on body
No water flow	No power	Check power to transformer is on.
	Water or structural damage to electrical components	Replace damaged electrical components
	Incorrect connections	Check all connections
	Damage to switch lead or power supply lead	Check and replace lead & controllers
	Water corroded electrical connections	Replace electronic components

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.

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