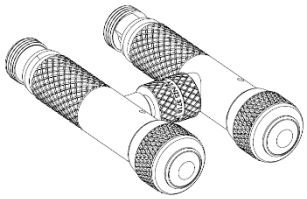
CliniMix® Inwall Shower Disinfection kit



PRODUCT CODE:

- **WM-PMSKIT**

WaterMark
AS/NZS 3718 Lic. WMKA0034
SAI Global

SPECIFICATIONS

- The Inwall Shower Disinfection Plug Kit allows a technician to safely perform the disinfection procedure on Galvin Engineering in-wall thermostatic mixers.
- This kit is effective in killing bacteria formed by stagnant water.
- Includes a shower head adaptor and hose to safely pass the hot water from the shower to the floor drain.

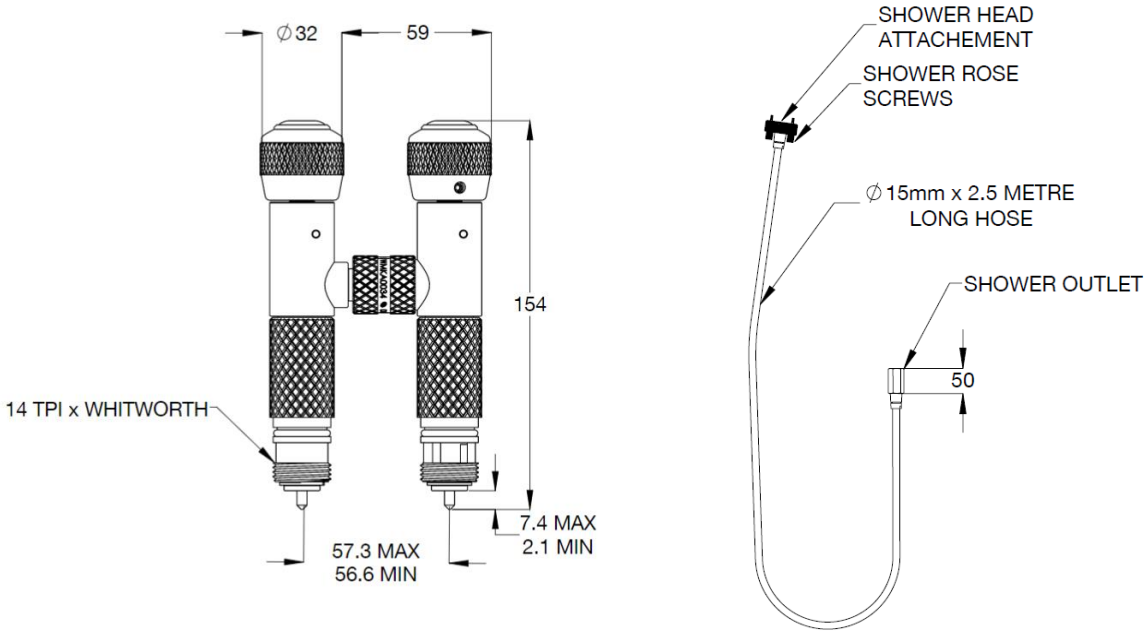
***IMPORTANT SAFTEY NOTE**: Care should be taken when carrying out the disinfection procedure to avoid contact with hot water and hot surfaces. We recommend the use of protective hand wear.*

TECHNICAL DATA

To Suit Shower Body's		WM-TMVPMS, WM-TMVPMSCS, WM-TMVPMSCSUS, WM-TMVPMSCS1
To Suit Shower Outlet		Vandal Resistant Shower Rose (40691)
Working Pressure Range (kPa)	Min	20
	Max	500
Working Temperature Range (°C)	Min	60
	Max	90

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

COMPONENT DIMENSIONS



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 to supplied installation compliance sheet with the product).
- ***SAFETY NOTE***: *Care should be taken when carrying out the disinfection procedure to avoid contact with hot water and hot surfaces. We recommend the use of protective hand wear.*

INSTALLATION

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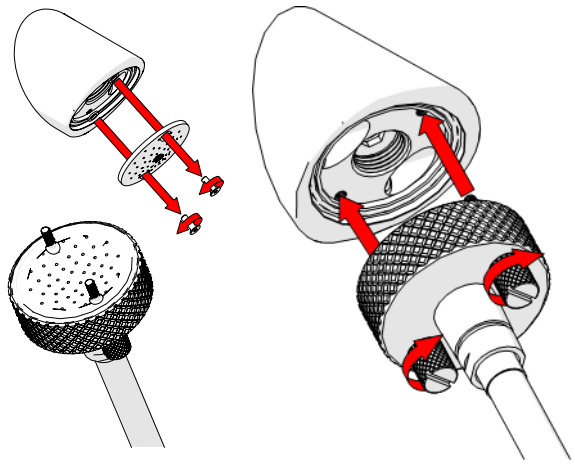
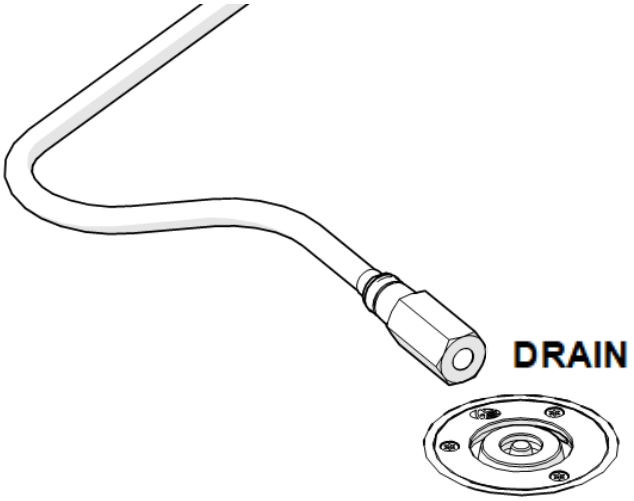


1. Fit Flange/Outlet End

- Remove the M4 screws from shower rose.
- Place the shower rose in the flange locating over the thumb screws (supplied).
- Ensure o-ring on flange is fitted.
- Secure flange to shower body using thumb screws ensuring they are hand tight to form an adequate seal.

The supplied drainage hose is to suit Galvin Engineering Vandal Resistant Shower (40691). The use of a drainage hose is important to minimise the risk of scalding during the disinfection process. Please contact Galvin Engineering for more information.



2. Direct Outlet to Drain

- Place hose end on the floor in the direction of the drain to ensure hot water exits in a controlled manner.

Failure to do so may result in the user being scalded by hot water.

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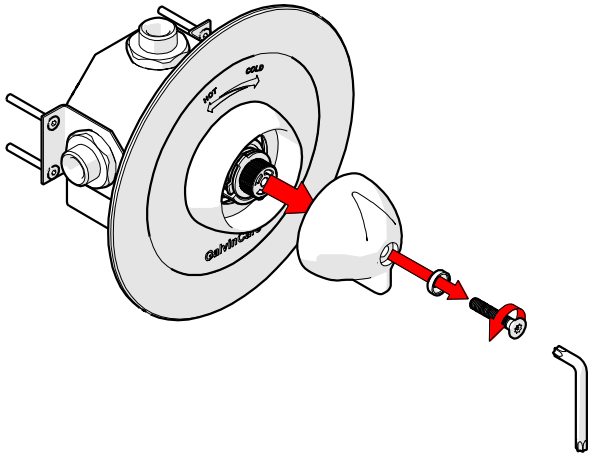
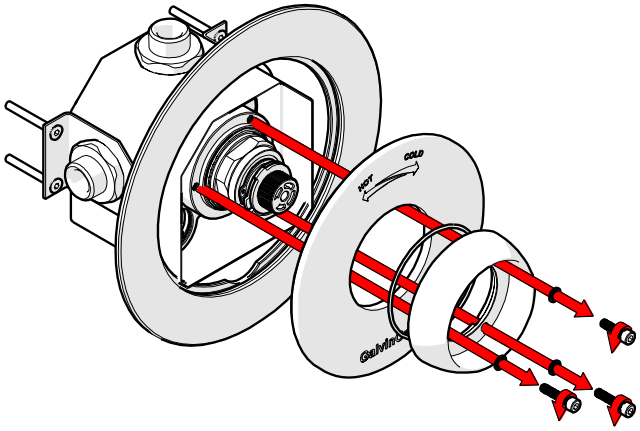


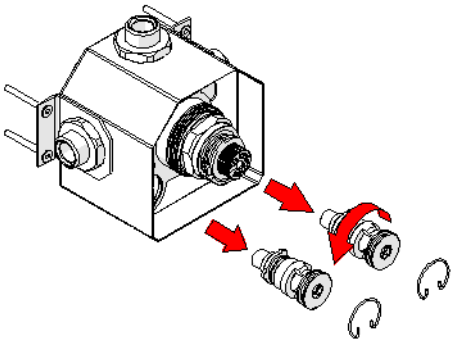
3. Remove handle assembly

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



4. Remove faceplate and flange

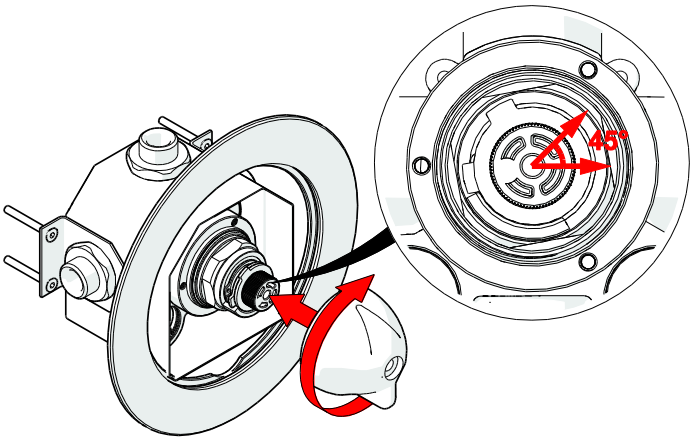
Unscrew the three screws and pull out the flange and faceplate from the unit.



5. Isolate shower

To isolate the shower:

- Remove wire clips.
- Using a hex key, turn the isolators in an anti-clockwise direction until fully removed.



6. Turn on Cold water

- Temporarily fit the handle to the cartridge.
- Turn handle clockwise until it stops.
- Turn handle anti-clockwise 45º (1/8th turn) to open the cold side of the mixing valve allowing hot water to flow through it.
- Remove the handle without rotating.

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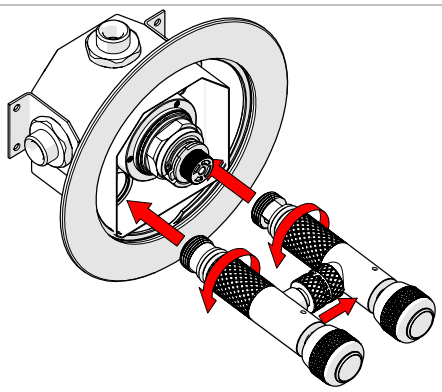
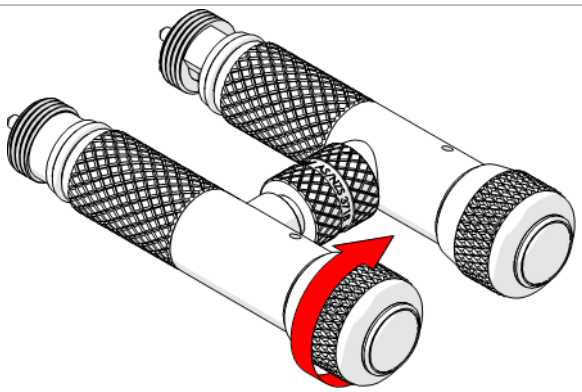


7. Fit disinfection unit

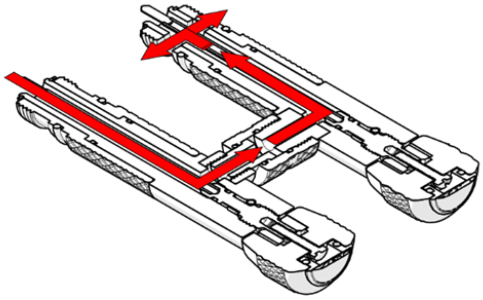
- Ensure both handles on the disinfection unit are fully turned anti-clockwise and the centre nut is tight.
- Fit the disinfection unit by screwing the hot and cold extensions in even increments into the shower body as shown.
- **Do not screw in one side fully at a time as this will damage the disinfection unit.**
- Evenly tighten the knurled pieces until the extensions are fully locked in place.

⚠ **The unit will not seal if not fully tightened. This will put the user at risk of exposure to scalding water.**



8. Activate hot handle

- Turn hot handle clockwise (until handle stops) to allow water to flow from the hot side of the shower through the cold side.
- **Do not over tighten as this will damage the disinfection unit.**



9. Disinfection

⚠ **Although the drainage hose will facilitate the safe drainage of the hot water, it is recommended that you do not stand under the shower during the disinfection process.**

- Upon activating the hot handle, hot water will pass from the hot inlet to the cold inlet and into the thermostatic mixing chamber then out the shower outlet (exiting through the drainage hose).
- Run water for the correct disinfection time as shown in table.

Disinfection Temperature vs. Time:

Temperature	Disinfection Time
60°C	30 Minutes
65°C	15 Minutes
70°C	10 Minutes

Note: The temperature of the exiting water should be checked regulary to ensure the correct timing and the desired level of disinfection takes place.

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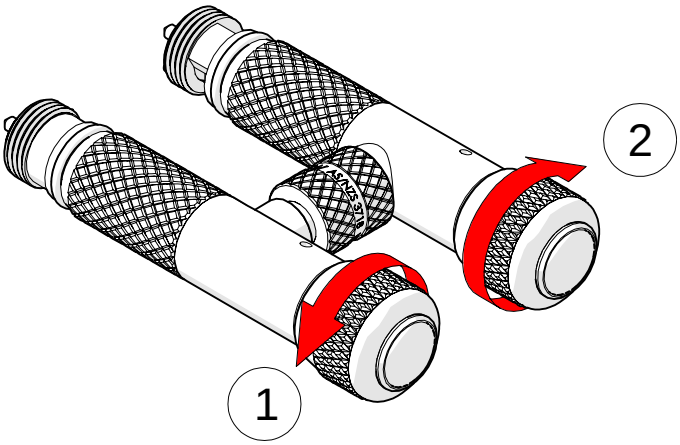
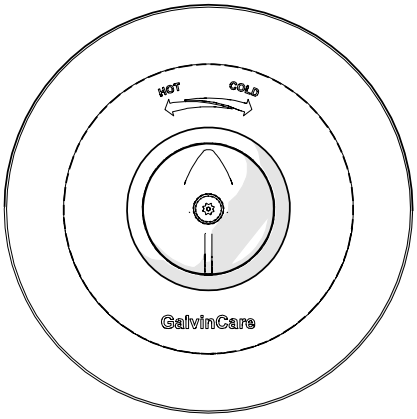


10. Cool down unit

1. Turn off hot water by rotating hot handle anti-clockwise.
2. Turn cold handle clockwise (until handle stops) to introduce cold water to the system. The cold water will flush out the hot water, hence cooling the unit.

⚠ **The handles may heat up during the disinfection process. The use of protective hand wear is recommended.**

⚠ **This unit becomes very hot during operation. Cooling the unit is essential before removing**



11. Re-assemble

⚠ **Ensure enough time is given for the cold water cooling process of the disinfection unit. Once cool to the touch the unit can be removed.**

- First, turn off cold water by rotating disinfection unit cold handle anti-clockwise.
- Remove disinfection unit, by reversing step 7.
- Re-assemble shower unit, by reversing steps 5 to 3.
- Re-assemble shower outlet by reversing steps 2 & 1.

Turn on the water and check for correct operation.

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TROUBLE SHOOTING

PROBLEM	CAUSE	RECTIFICATION
Cold instead of hot water flowing	Cold water handle is turned on instead of hot. The disinfection unit has been installed incorrectly.	Ensure the hot handle has been fully turned clockwise and the cold is fully turned off. Follow installation steps 3 – 9 and ensure the unit has been installed correctly.
Water not flowing	The disinfection unit has been installed incorrectly.	Follow installation steps 3 – 9 and ensure the unit has been installed correctly.
	Cold or hot handle not turned on fully.	Ensure the relevant handle is turned fully clockwise.
	No mains water.	Contact your maintenance manager.

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.