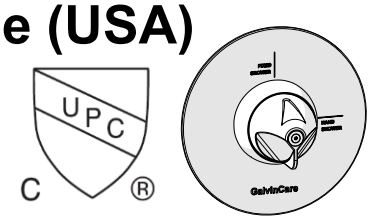
GalvinCare® CP-BS MH Ligature Resistant Diverter Assembly with Assisted Paddle Handle (USA)

PRODUCT CODES:

- **50140US**



SPECIFICATIONS

- This product unique design concept eliminates the institutional look and provides ligature and vandal resistant features while withstanding heavy knocks
- The paddle design handle allows the diverter to be activated with minimal effort
- The 170mm round faceplate has a polished stainless-steel finish for a homely look
- This item is designed for wall installation with bevelled edges to provide tight fixing.

***IMPORTANT**: All GalvinCare® mental health taps are tested in accordance with AS 3718 and leave our premises in good working order*

TECHNICAL DATA

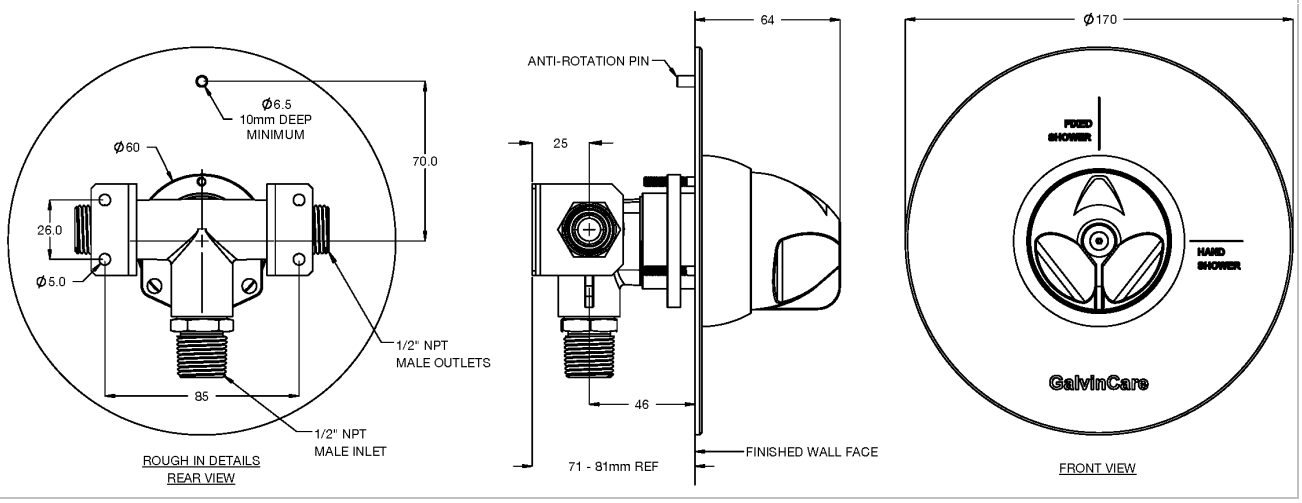
Inlet		½" NPT – Male
Outlet		½" NPT – Male
Headwork		Diverter Cartridge
Working Pressure Range (kPa)	Min	50
	Max	500
Working Temperature Range (°C)	Min	5
	Max	90
Finish		Chrome / Polished St/St

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

PRE-INSTALLATION

MOUNTING DETAILS – ROUGH IN & OVERALL DIMENSIONS

- Suitable for in-wall mounting
- Drill ∅6.5mm hole as shown for anti-rotation pin.

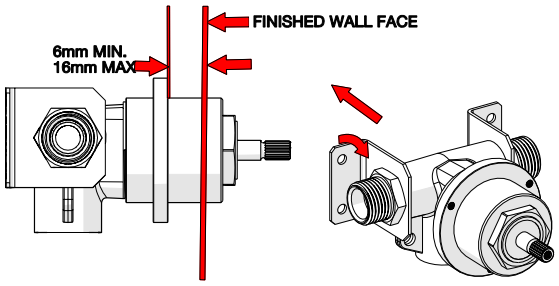


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INSTALLATION

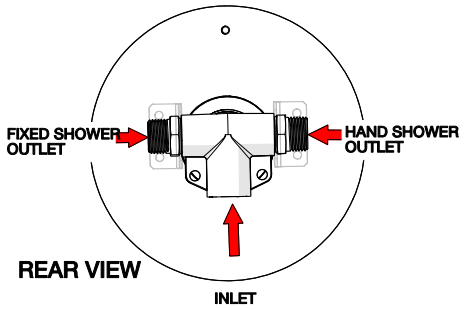
INSTALLATION COMPLIANCE: *Galvin Engineering products must be installed in accordance with these installation instructions and in accordance with AS/NZS 3500, the PCA and your local regulatory requirements. Water and/or electrical supply conditions must also comply to the applicable national and/or state standards. Failing to comply with these provisions shall void the product warranty and may affect the performance of the product.*

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 BASF Sonolastic "Ultra" to ensure a high quality and safe installation.*



1. Fit body assembly

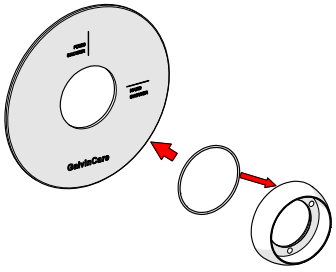
- Secure body with mounting brackets as indicated, ensure it is protruding past the finished wall between 6mm min and 16mm max
- Brackets are suitable for horizontal and vertical mounting.
- It is critical that the centre line of the cartridge spindle is perpendicular to the finished wall to ensure correct fitment of the faceplate and flange



2. Connect water supply

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

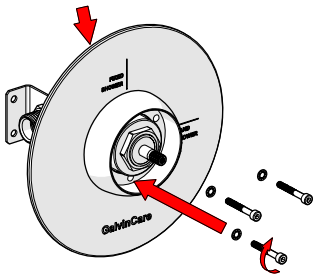
Note: Water supply should be flushed before fitting. The use of in-line strainers is highly recommended.



3. Fit faceplate & flange

- Fit supplied o-ring into the groove on the back of the flange.
- Fit faceplate on to shoulder of flange.

Note: Cartridge spline must be parallel with the faceplate within 1°.

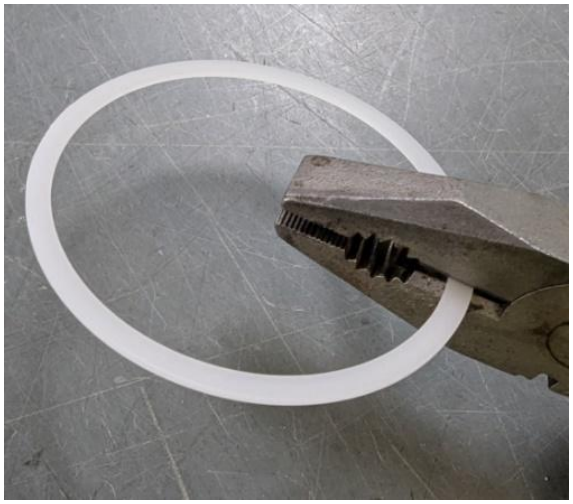


4. Secure flange

- Slide faceplate and flange onto the body.
- Secure with three M4x20mm Phillip screws and lock washers, ensure the faceplate anti-rotation pin is pushed through the ∅6.5mm hole.

Note: Before tightening the flange make sure the handle fits correctly. Put screws into flange and tighten finger tight, the flange should still be able to move. Slide the handle onto the spline and move the flange until central to the handle. Remove handle and tighten the screws (it is best to tighten the screws in sequence a little at a time to avoid the flange moving).

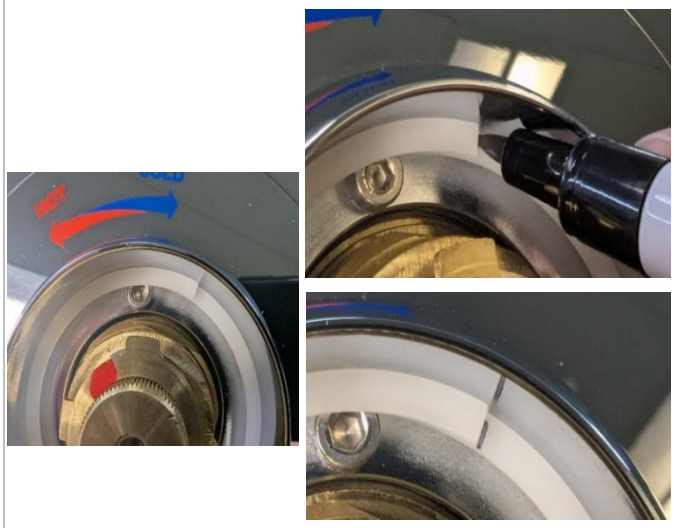
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5. Acetal washer initial cut

- Create a cut on one of the two provided Acetal washer circumference as shown. Make sure the cut line is pointing towards washer center. The other washer will be a spare part.

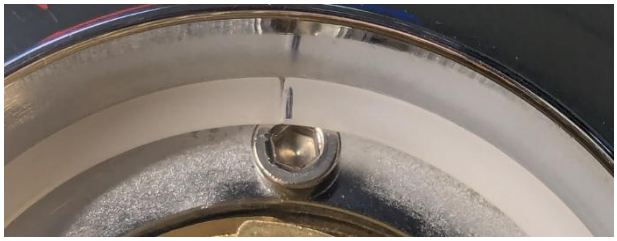
Note: To ensure the washer retains its form and achieves its best fitment, cutting of the washer is required during installation.

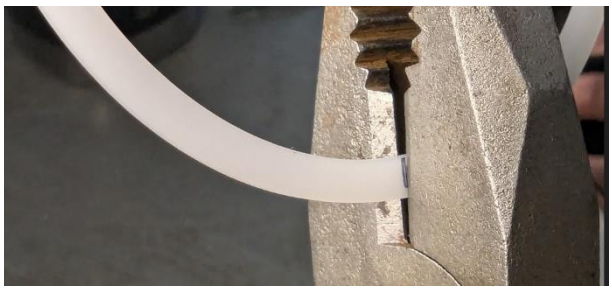


6. Acetal washer marking

- Place the split washer inside the flange on top of the 3 bolts as shown.
- Mark the overlapping part of the split washer as shown.

Note: Make sure the washer is positioned concentrically from the assembly.

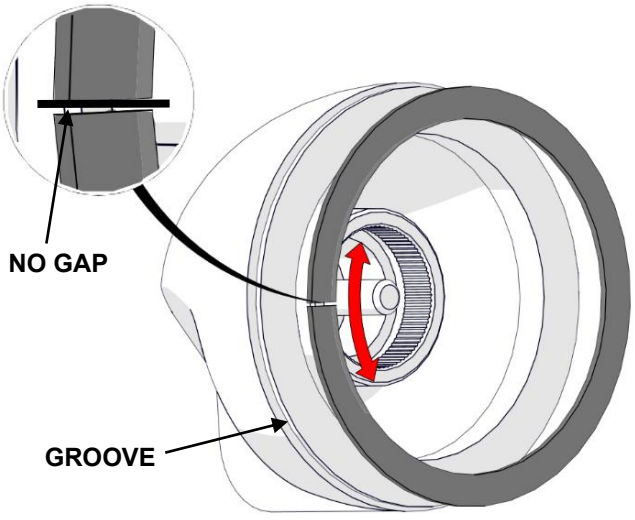




7. Acetal washer final cut

- Take the split washer out of the assembly, cut it at the designated mark, and then put it back into the flange. Finally, check to make sure there's no space between the washer and the flange, and that the washer is positioned correctly.

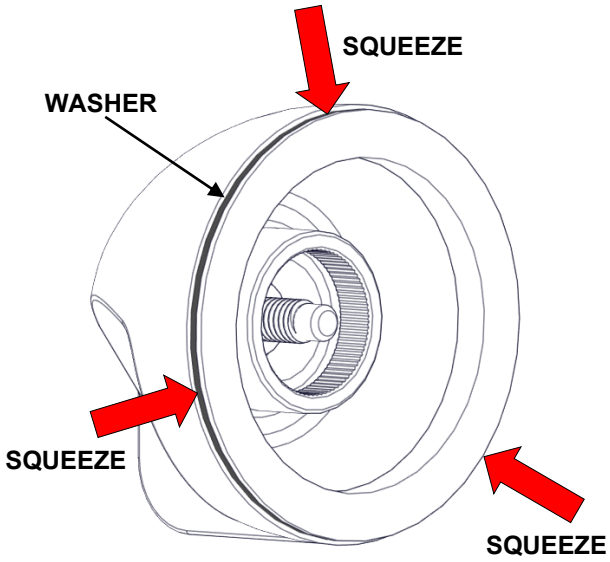
Note: Make sure the washer is positioned concentrically from the assembly.



8. Acetal washer placement

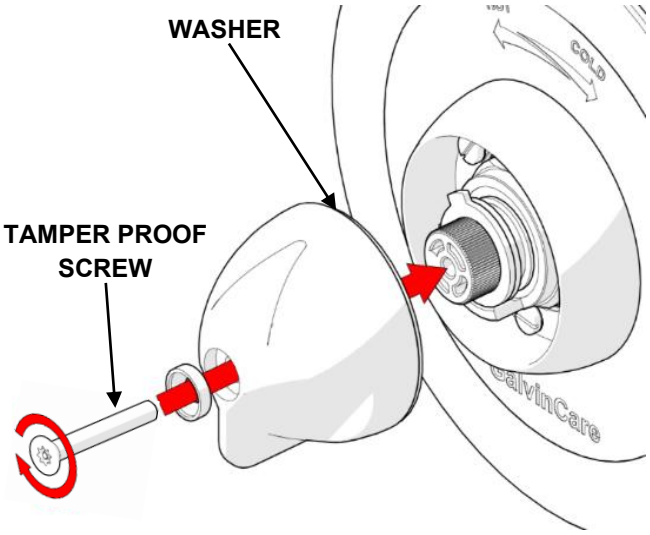
Stretch the split washer gently and fit it into the groove.

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9. Acetal washer positioning

- Fit the split washer in the groove of the handle, squeeze it all around.



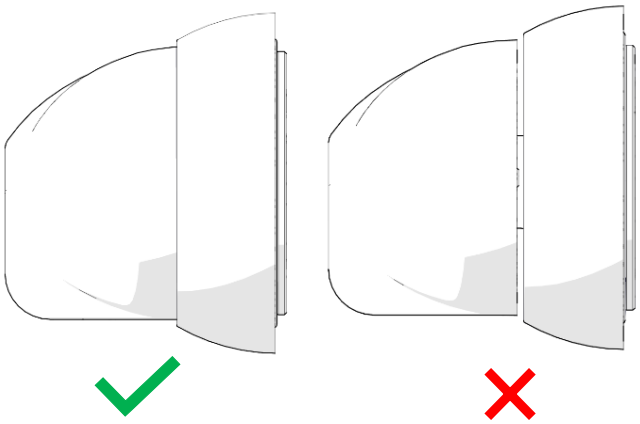
10. Fit handle

- Fit the handle so the arrow shape on top of the handle matches the marking on the faceplate. Keep the washer in the groove of the handle and push the handle into the flange and fasten with supplied tamper proof screw.



11. Cut gap verification

- Once handle is assembled, verify if the cut-gap is less than 1mm. If you see larger gap a new washer needs to be cut and fitted.



12. Handle gap verification

- Verify that the assembled handle is positioned correctly as illustrated.

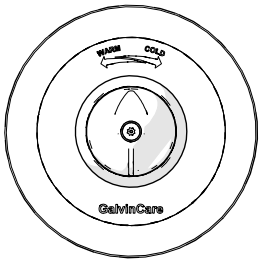
Note: There must be no exposed gap between the handle and the flange.

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OPERATION AND TESTING

After installation, check for leaks and correct operation.

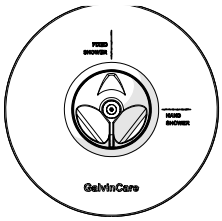
As the handle is rotated anti-clockwise the delivered water progresses from cold through warm to the pre-set maximum temperature of approximately 41°C.



TROUBLESHOOTING

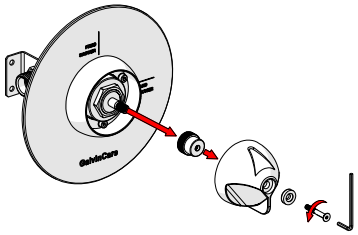
PROBLEM	CAUSE	RECTIFICATION
Faceplate does not sit flush on wall	Diverter not mounted perpendicular to wall	Remove and re-mount so the body is perpendicular to finshed wall
Handle rubs against the flange	The faceplate is not perpendicular to cartridge spline within 1°.	Remove and re-mount properly ensuring faceplate is within 1° perpendicular to cartridge spline.
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

SERVICE AND MAINTENANCE



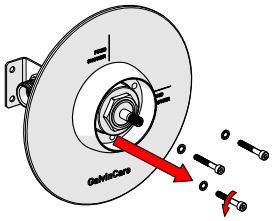
1. Turn off water

- Turn off the water supply
- Open shower outlet to release pressure



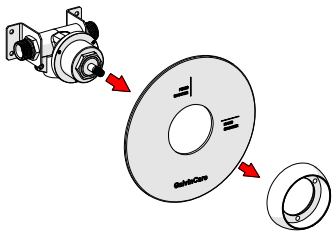
2. Remove handle assembly

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



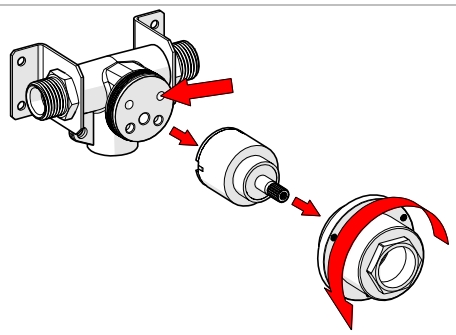
3. Remove the flange screws

- Unscew the flange screws



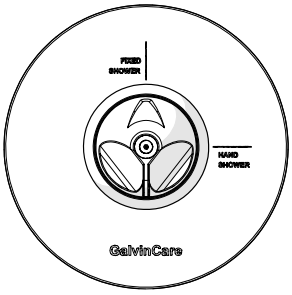
4. Remove faceplate and flange

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5. Remove cartridge nut and check cartridge

- Unscrew cartridge nut and remove cartridge.
- Check the cartridge for wear and damage. Replace if required with cartridge replacement available through your supplier
- 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

WARRANTY

Galvin Engineering products are covered under our Manufacturer's Warranty. Galvin Engineering products must be installed in accordance with the installation instructions and in accordance with AS/NZS 3500 and NCC Volume Three, relevant Australian Standards and local authorities applicable to product being installed. Water and electrical supply conditions must also comply to the applicable national and/or state standards, failing to comply with these provisions may void the product warranty and affect performance of the product.

Please visit www.galvinengineering.com.au to view the full warranty, our Installation Compliance and Maintenance & Cleaning information as well as any other additional information.

DEFINITIONS AND DISCLAMER

Galvin Engineering manufactures a range of products marked as Ligature Resistant or Vandal Resistant. Please visit www.galvinengineering.com.au to read the definition of these terms and the disclaimer that applies to these products.