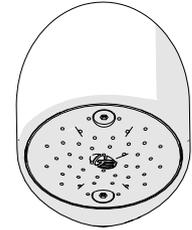


GalvinCare[®] Vandal Resistant Shower Rose - NPT



PRODUCT CODES:

- 40691US

SPECIFICATIONS

- The GalvinCare[®] Vandal Resistant Shower Rose 65 provides both anti-vandalism and anti-ligature features.
- This shower is used extensively in high risk, high security applications such as prisons, correctional facilities, and detention centres.
- Designed for maximum protection against vandalism.
- The GalvinCare[®] Vandal Resistant Shower Rose 65 is made from heavy duty components and comes complete with special tamper resistant screws.
- For use with high pressure plumbing systems between 150 & 500kPa.
- Special consideration may be required when used with low water pressure systems and components.

IMPORTANT: All GalvinCare[®] Vandal Resistant Shower Roses are tested and leave our premises in good working order.

TECHNICAL DATA

Inlet			½" NPT - Female
Outlet			Shower Rose
Headwork			N/A
Working Pressure Range (kPa)	Min	150	
	Max	500	
Working Temperature Range (°C)	Min	5	
	Max	65	
Nominal Flow Rate (LPM)			7
Construction			Brass
Finish			Chrome

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

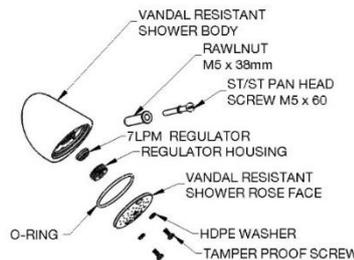
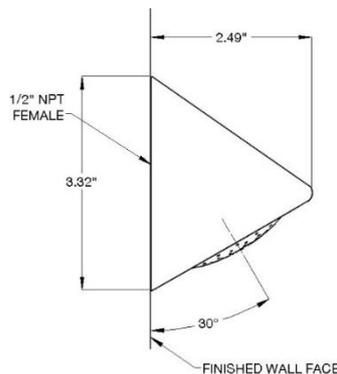
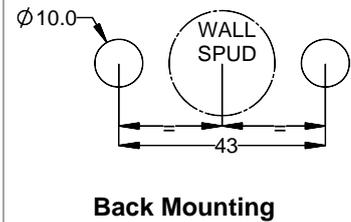
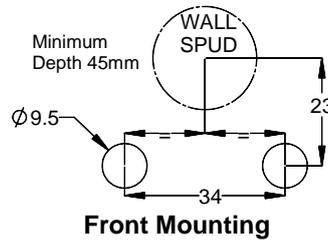
TOOLS REQUIRED

- Thread tape or sealant
- Power Drill

PRE-INSTALLATION

MOUNTING DETAILS – HOLE CENTRES

- The rough in details have been provided to show correct fitment of the Vandal Resistant Shower unit (see side images).
- Recommended installation height above floor level is 2 metres (6'6").
- Installation can be either of 2 options:
 - Front mounting.
 - Back mounting.



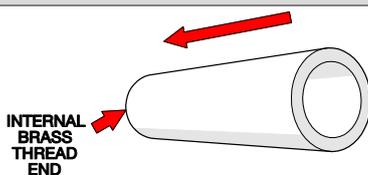
INSTALLATION

IMPORTANT: Galvin Engineering products must be installed in accordance with these installation instructions 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. Additionally, ensure any protruding connecting thread is square to the wall so that the outlet sits flat against the wall when installed, ensuring that there are no gaps between the wall and outlet. 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.

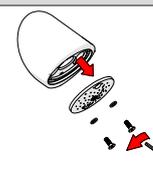
IMPORTANT: Extra care must be given during installation to ensure no damage is done on Flow Regulator / Restrictor when fitting male connecting thread to the inlet.

FRONT MOUNTING (Option #1)



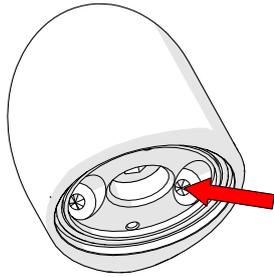
1. Fit rawlnuts

- Drill holes as detailed in the Mounting Details (Front Mounting).
- Push the two supplied rawlnuts into the drilled holes in the wall.



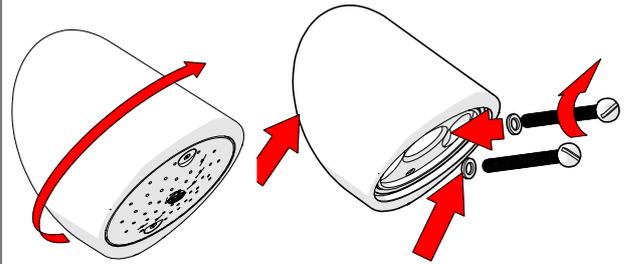
2. Remove shower face

- Remove the shower face using the supplied tamper resistant hex key.



3. Drill out the dimples

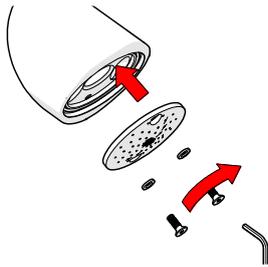
- Drill out the dimples (Ø5.0mm) in the body to allow the screws to push through.



4. Fit shower body

- Fit the shower body onto 1/2" NPT wall spud, ensuring to apply thread tape or sealant to create a water tight seal.
- The gap between the back face of the shower and the wall must be kept to an absolute minimum.
- Fit the two screws through the drilled holes and tighten them into the rawlnuts. **Ensure the provided nylon washers are under the screw head.**

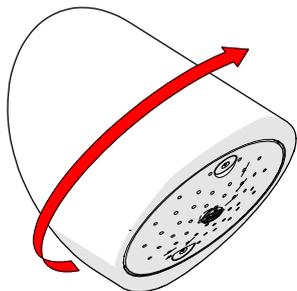
Note: Suitable sealant should be used between the wall and the shower body to create a seal, especially in high risk installation.



5. Refit shower face

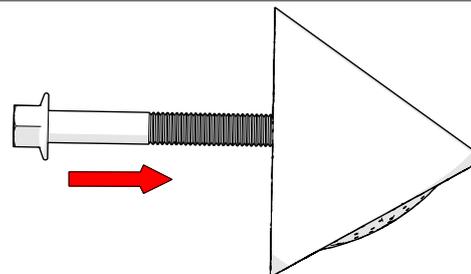
- Refit the shower face using the supplied tamper resistant hex key, ensuring the provided nylon washers are under the screw head.
- Ensure o-ring seal is under the shower face.

BACK MOUNTING (Option #2)



1. Fit shower body

- Drill holes through wall as detailed in the Mounting Details (Back Mounting).
- Fit the shower body onto 1/2" NPT wall spud, ensuring to apply thread tape or sealant to create a water tight seal.
- The gap between the back face of the shower and the wall must be kept to an absolute minimum.

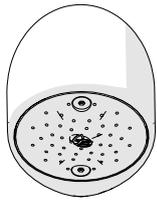


2. Secure the body

- From the rear, secure the body with 3/8" UNC bolts. (Not supplied)

Note: Suitable sealant should be used between the wall and the shower body to create a seal, especially in high risk installation.

TESTING



- Turn on water supply, inspect the tap and check for any leaks.

TROUBLESHOOTING

PROBLEM	CAUSE	RECTIFICATION
Shower is dripping water	Head-works are worn or damaged	Remove and inspect the head-works, remove debris and/or replace head parts if damaged
Inconsistent flow	Blocked flow restrictor	Remove flow regulator from body and remove debris. Install an inline strainer to stop further blockages.
Leak from behind body	Insufficient sealant	Apply more sealant
Water is not flowing from tap	Water is turned off	Turn on water
Rate of flow inadequate	The flow restrictor may not be satisfactory due to inadequate supply pressure	Remove flow restrictor and replace with a flow restrictor of different capacity to suit (available from Galvin Engineering)

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.

In the absence of a legal or industry definition of anti-ligature or ligature resistant products, when we use these terms, we are referring to products that are designed and manufactured with the intention of reducing the risk of ligature attachment to the product(s).

Galvin Engineering Pty Ltd will always endeavour to design and test our anti-ligature product(s) to reduce the risk of product ligature attachment that may result in serious injury or death.

Whilst all reasonable measures are taken at the time of design, the anti-ligature design of the products are not intended to and will not:

- a. Replace protective measures that need to be taken in the specific circumstances of usage;*
- b. Substitute the need for supervision of those who may be at risk;*
- c. Protect and or prevent those at risk against any self-harm instances that may occur when installed; and*
- d. Protect and or prevent injury when the risks where unknown to us at the time of the design of the product(s).*

Galvin Engineering Pty Ltd does not offer and does not represent or warrant that any product(s) for sale that are ligature-free.

Therefore, Galvin Engineering will not be liable for any claims, loss, or damages arising from ligature attachment on our products. It is the purchaser's responsibility to ensure that products purchased and installed are suitable for the environments in which they are installed, and suitable supervision and protective measures are in place to protect those at risk.

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