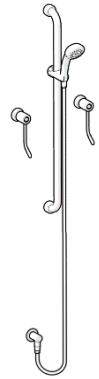


CliniLever CP-BS Hospital Shower Set w/ Medi Hand Shower & 900 SS Grab Rail



PRODUCT CODES:

- TCS9J150C
- TCS9C150C
- TCS9J80C
- TCS9C80C

SPECIFICATIONS

- Grade 304 stainless steel grab rail with satin finish
- Hygienic health safe flange covers
- ABS slide cradle fastened and tensioned to the grab rail for handset support and movement
- Strong and stylish ABS hand piece
- PVC reinforced smooth and flexible spiral hose
- Chrome on brass wall outlet elbow which features 9 L/min flow
- Interchangeable spigot and separate licensed dual check/non return valves to prevent back siphonage
- 80/150 mm CliniLever® contra rotating lever handles make showering easier for users with disabilities or limited hand mobility
- Handles are finished in bright chrome plate finish for added durability and easy cleaning
- Suitable for installation and will assist in compliance to AS1428.1 – Design for access and mobility- General requirements for access - New building work

IMPORTANT: All Galvin Engineering taps are tested in accordance with AS/NZS 3718 and leave our premises in good working order.

TECHNICAL DATA

Inlet		1/2" BSP – Female
Outlet		Handheld Shower
Headwork	TCS9J150C / TCS9J80C	Jumper Valve
	TCS9C150C / TCS9C80C	Ceramic Disc
Working Pressure Range (kPa)	Min	150
	Max	500
Working Temperature Range (°C)	Min	5
	Max	55
Finish		Chrome

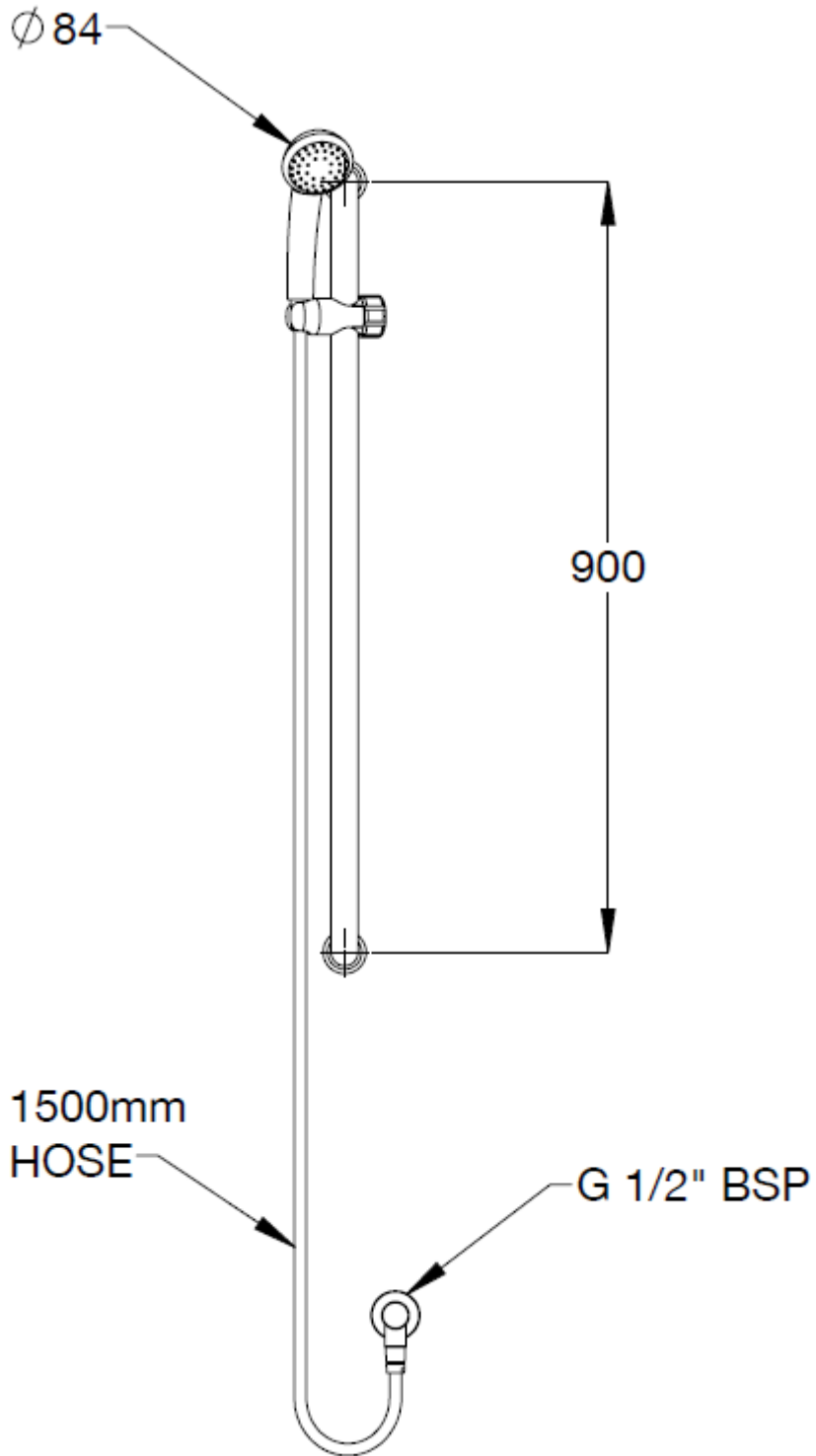
NOTE: Galvin Engineering continually strive to improve their products. Specifications may change without notice.

TOOLS REQUIRED

- Power drill
- Spanner or adjustable crescent

PRE-INSTALLATION

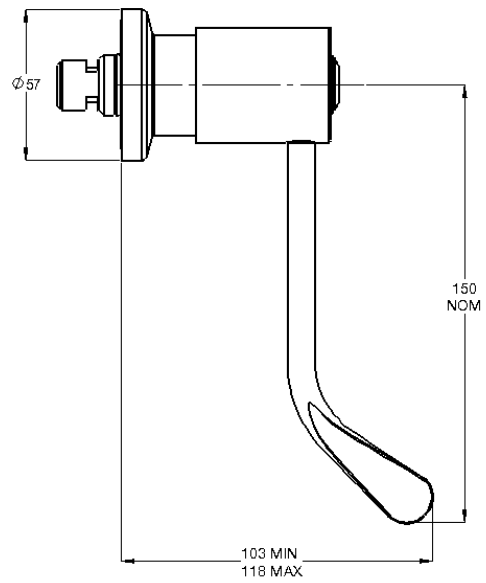
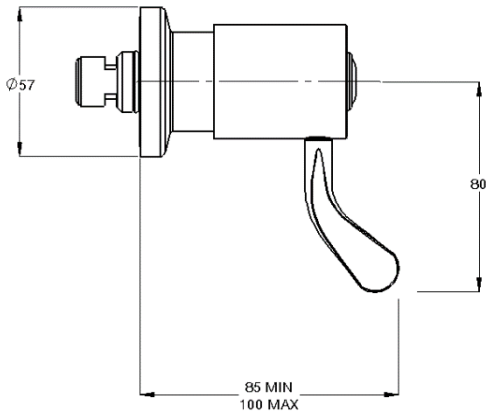
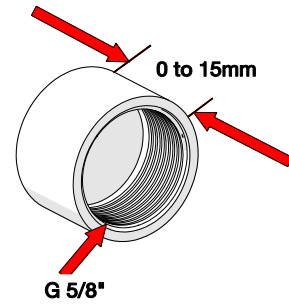
MOUNTING DETAILS - SHOWER



MOUNTING DETAILS – WALL TOP ASSEMBLY

Wall body

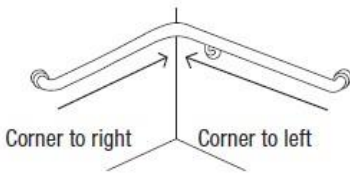
- Wall body must be G5/8" FI and body should be between 0 and 15mm behind the finished wall surface.



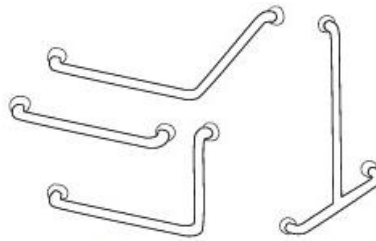
80/150 mm Wall Top Assembly

INSTALLATION - SHOWER

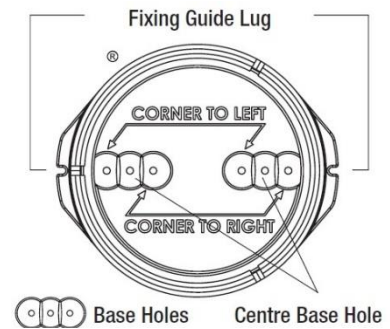
INSTALLATION COMPLIANCE: Galvin Engineering products must be installed in accordance with these installation instructions and in accordance with AS/NZS 3500, the PCA and your local regulatory requirements. Water and/or electrical supply conditions must also comply to the applicable national and/or state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



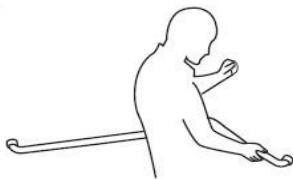
WARNING: Install with stainless steel 304 or 316 screws. Other type of screws may rust and void warranty.



When marking out the grab rails, use centre base holes of flange protector.



When marking out corner grab rails follow the fixing guide lug diagram shown above to suit grab rail orientation.



1. Install straight grab rails including the horizontal section of any grab rail (if applicable) as per AS 1428.1, 800-810mm from floor to top of rail. Make sure the wall surface is flat and free from contaminants.

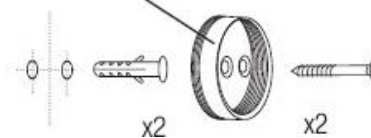


2. For straight grab rails, position the flange protector guide lugs either vertical or horizontal.



3. Remove flange protector from grab rail flange. Align guide lug marks from step 2 and mark wall through base holes to pinpoint screw holes.

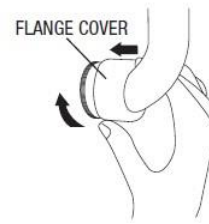
WALL MOUNT PLATE



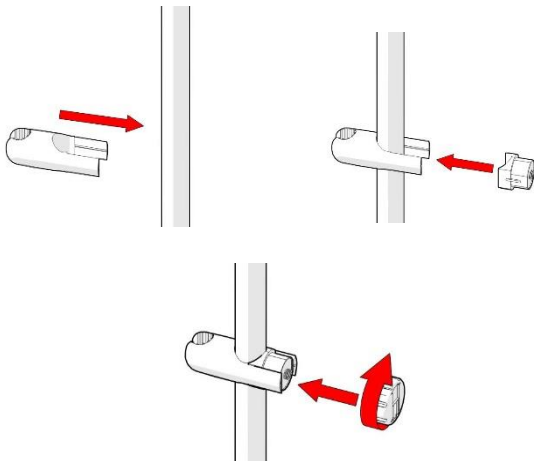
4. Fit dress ring if applicable. Drill spot marks with 7mm bit. Screw wall mount plate to wall. Ensure screws engage wall stud or other solid substrate.



5. Fit grab rail into wall mount plate and tighten lock nut firmly.

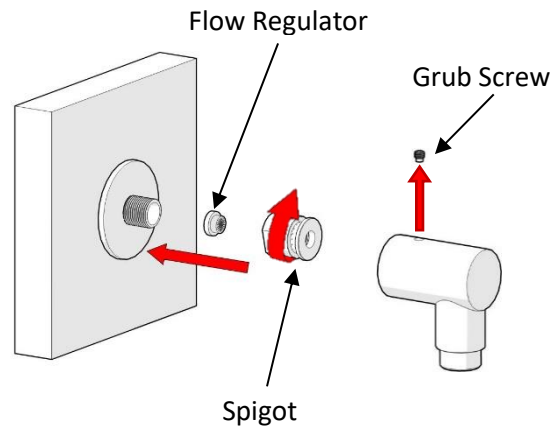


6. Screw flange cover to wall mount plate.



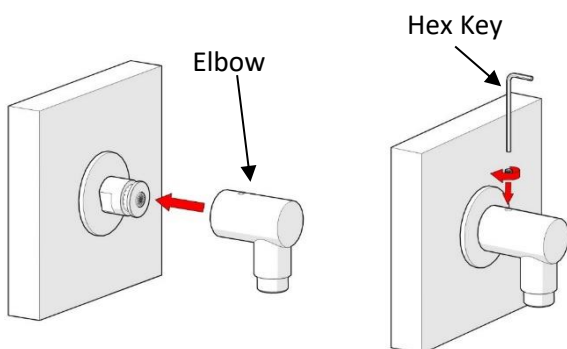
7. Cradle Installation

- Fit the shower cradle to the grab rail as shown.
- Position the cradle as desired then tighten the cover of the cradle.



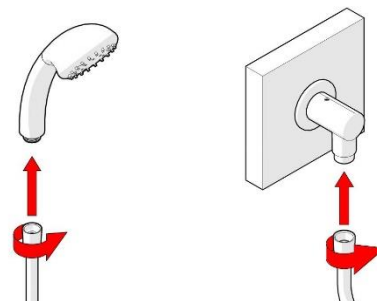
8. Connect Flange Wall Outlet Elbow

- Apply thread tape to wall spud. When applying thread tape or sealant to the wall spud, ensure the opening is not obscured. Failure to do so may restrict or block the flow restrictor, affecting the flow of water.
- Remove spigot by loosening grub screw in elbow.
- Fit spigot to wall spud, ensuring the flow regulator is in place and not damaged when tightening the spigot.



9. Connect Flange Wall Outlet Elbow

- Fit elbow over spigot and secure with grub screw.
- Using 2.5mm hex key supplied, tighten 5mm grub screw.

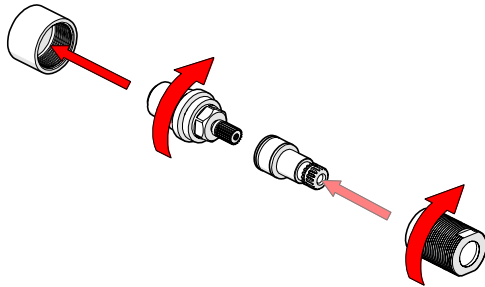


10. Check Shower for correct operation and leaks

- Connect hose and shower head ensuring the connection is secured, then turn on water supply. Check for any leaks.

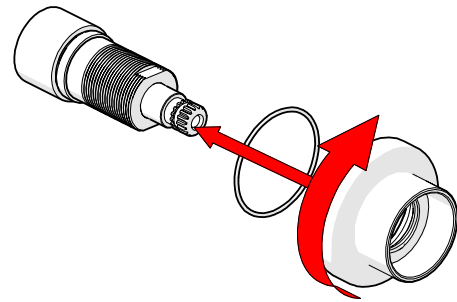
INSTALLATION – WALL TOP ASSEMBLY

IMPORTANT: Galvin Specialised 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.



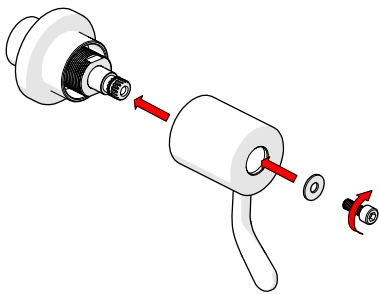
1. Fit spindle assembly

- Remove handle and flange from cartridge assembly. Unscrew the ¼ turn ceramic head part from the threaded sleeve assembly and screw ceramic cartridge into the valve body by hand, tighten using a 17mm spanner.
- Refit threaded sleeve and spindle.
- **The ¼ turn ceramic head part MUST be fitted into the wall body prior to refitting the threaded sleeve and spindle. DO NOT tighten cartridge by using the spindle or the threaded sleeve.**



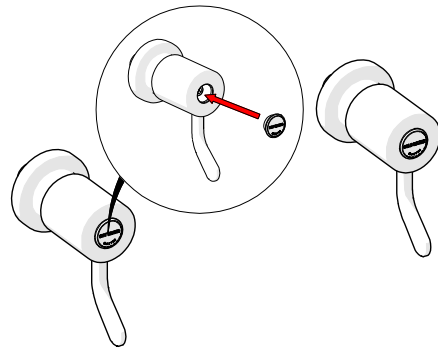
2. Fit wall flange

- Ensure o-ring is fitted to the bottom of the wall flange, and then hand-tighten the wall flange onto the threaded sleeve.



3. Fit handle

- Ensure the spindle is in the closed position and firmly press the CliniLever® lever handle onto the spindle in the desired orientation.
- Check operation of CliniLever® lever handle. They should turn freely for a full ¼ turn.
- Secure the handle in position using the supplied washer and stainless steel cap screw.



4. Fit water temperature indicator & testing

- Once CliniLever® lever handle is secure; fit the appropriate water temperature indicator.
- Once temperature indicator is fitted, check the operation of the unit and inspect for any leaks.

TROUBLESHOOTING		
PROBLEM	CAUSE	RECTIFICATION
Water is not flowing or has inconsistent flow	Shower is blocked with debris.	Remove debris from shower.
Leak from elbow	Insufficient sealant	Ensure thread tape has been used during installation.
Taps are dripping water	Ceramic discs are worn or damaged	Remove and inspect SBA. Remove debris and/or replace SBA if damaged.
	Tap seat is damaged	Refurbish tap seat using a reseating tool.
Water is leaking from spindle	O-ring on jumper valve spindle is damaged or worn	Replace o-ring
Water is not flowing from tap	Water is turned off	Turn on water
	Aerator or flow regulator is blocked by debris	Remove aerator and/or flow regulator from tap and remove debris. Install an inline strainer.
Spindle is difficult to turn	Build up of scale on spindle, spindle worn or o-ring has been damaged	Remove cartridge sleeve, clean and regrease. Replace o-ring. Complete SBA may need to be replaced.
Handle is loose	Screw has come loose	Tighten handle screw
Flange does not screw down onto wall surface	Wall bodies are set too far out	Re-position tap bodies

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.

