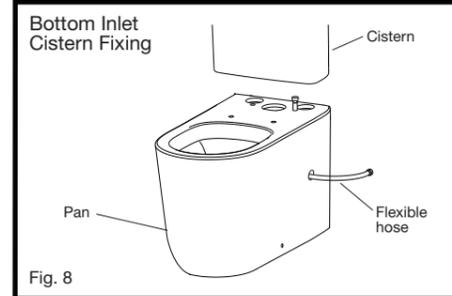
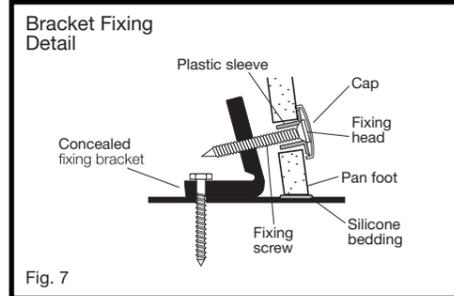
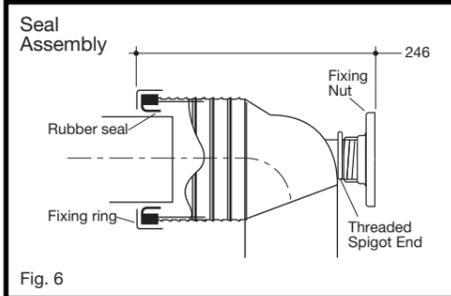
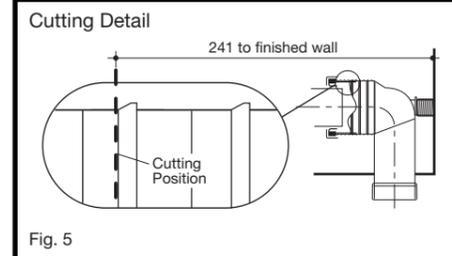
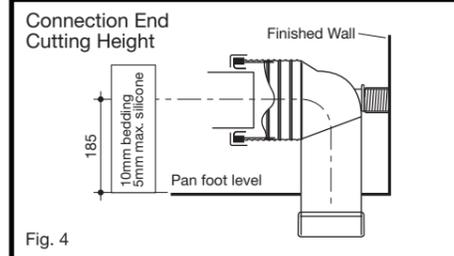
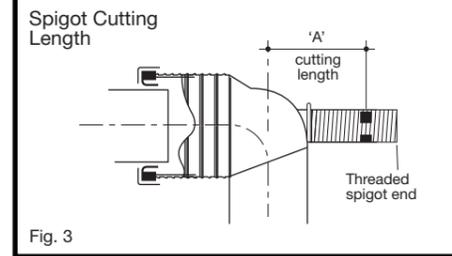
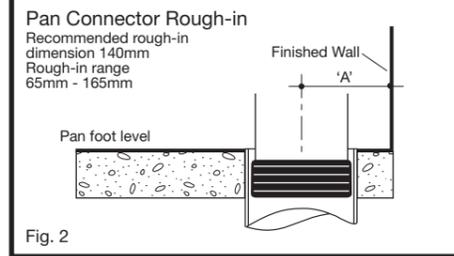
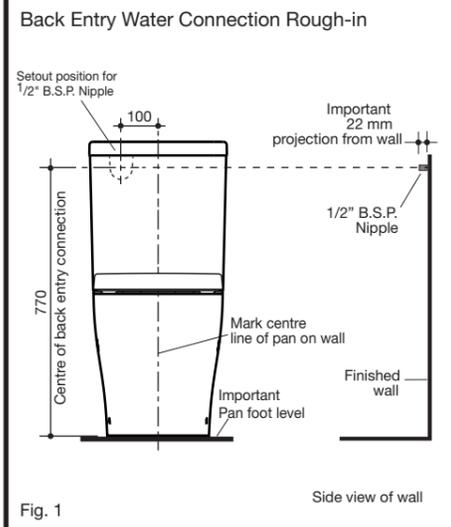


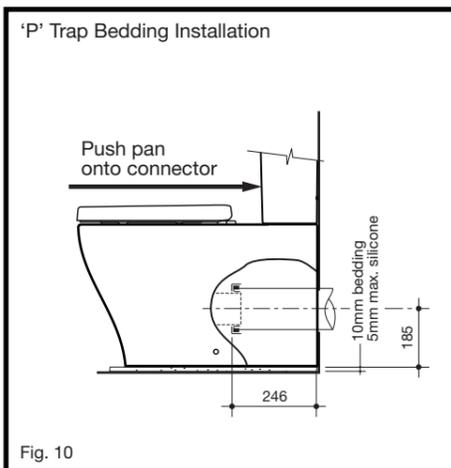
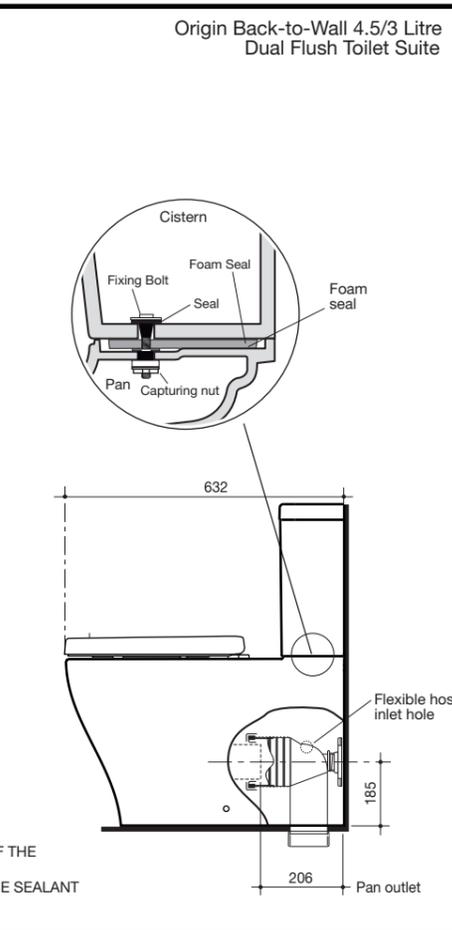
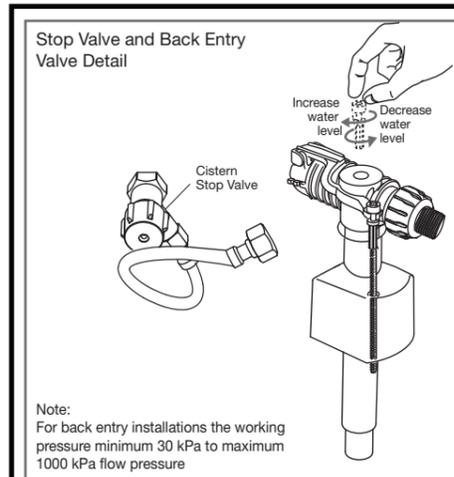
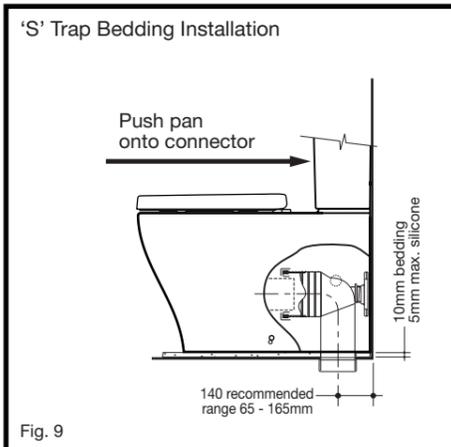
# PLUMBERS' INSTALLATION INSTRUCTIONS

## For Stylus Origin Back-to-Wall Closed Coupled 4.5/3 litre Toilet Suite

(PLEASE READ CAREFULLY BEFORE INSTALLATION)



IMPORTANT: ALL DIMENSIONS ARE TO THE UNDERSIDE FOOT LEVEL OF THE PAN. IT IS IMPORTANT TO MAKE A HEIGHT ALLOWANCE FOR BEDDING.



IMPORTANT - THE FOAM SEAL ENSURES A WATERTIGHT SEAL FOR THE CONNECTION OF THE CISTERN AND PAN. USE ONLY THE FOAM SEAL PROVIDED, DO NOT USE SILICONE SEALANT OR OTHER SEALANTS.

### ROUGHING IN:

The Wall Faced pan is universal for both 'S' and 'P'-Trap installations as detailed.  
The recommended set-out for 'S'-Trap installations is 140mm from the finished wall with set-out flexibility for existing soil pipe positions ranging from 65mm-165mm with the connector supplied as detailed in Fig. 2.

**IMPORTANT - FOR BOTTOM INLET, BEFORE INSTALLING PAN, FEED FLEXIBLE HOSE THROUGH SIDE OF PAN AND UP TO ENABLE EASY CONNECTION TO CISTERN INLET VALVE (REFER FIG. 11).**

### 'S'- TRAP CONNECTOR FIXING PROCEDURE

- 1- Mark centre line of the pan on finished wall which is to be used as a guide when connecting the pan. Refer to Fig.1.
- 2- Determine set-out "A" of existing drain line, as detailed in Fig. 2. Set-out range 65mm - 165mm. Recommended set-out for 'S' trap installation 140mm, as detailed in Fig. 9. For 'P' trap installation refer to Fig.10.
- 3- Determine and mark the cutting length of the threaded spigot by measuring the set-out dimension "A" from the centre reference mark on the connector. Cut threaded spigot to size, as detailed in Fig. 3.
- 4- Position fixing nut onto threaded spigot, fit connector to drain line & mark fixing holes on wall. Determine and mark cutting position of connection end from finished wall 241mm without rubber seal. Remove connector as shown on Fig. 4 & 5.
- 5- Cut pan connection end at the front of the serration which is nearest to the mark. Remove rough edges and chamfer with fine file, as detailed in Fig. 5.
- 6- Drill holes in wall and fit suitable wall fixings (supplied).
- 7- Position rubber seal over the front of the connector and secure with the fixing ring, as detailed in Fig. 6.
- 8- Refit connector into drain line, secure fixing nut to wall with screws. Lubricate rubber seal with soap solution to aid with pan outlet connection.
- 9- Prepare for pan fixing method (either bedding or bracket installation).

### PAN FIXING PROCEDURE

#### Pan bedding:

- 1- Remove an area of tiles which are within the internal area covered by the foot of the pan to expose the sub floor and provide a bondage key for the bedding mixture.
- 2- Ensure that the bedding area is clean and free of building material.
- 3- Prepare bedding sand cement mixture 3:1 to depth of 60mm.  
**Note:** Do not fill the foot of the pan with bedding mix or include lime or fast drying cement into the mix, these may cause cracking in the foot of the pan.
- 4- Position and push pan into connector using the marked centre line on the wall as a guide and level pan into bedding mixture, so that the back of the foot of the pan is approximately 10mm above the finished floor. It is recommended that wedges are used to support the foot of the pan during positioning.
- 5- Locate the cistern on to the pan and check that the cistern is level (side to side) and aligned with the tiling edges. Adjust pan position if necessary. Allow bedding mixture to set for at least 24 hours prior to use.

#### Bracket fixing:

- 1- Position and push pan into connector using the marked centre line on the wall as a guide and locate the cistern onto the pan, checking that the cistern aligns with the finished wall. Adjust pan position if necessary. Remove the cistern and pan.
- 2- Locate the Concealed Fixing brackets into position on centre line of pan from the finished wall and mark bracket fixing hole centres on finished floor.
- 3- Drill two holes in the marked positions on the floor. The hole diameter is dependent on the type of fixing system and floor finish.
- 4- Secure Brackets to finished floor.
- 5- Ensure that the area around the floor is clean and free from building material.
- 6- Run a bead of acetic cured silicone sealant at a height of 8mm approximately fully around the foot of the pan which contacts the floor. Use Wedges around the foot base (if required) so that the **maximum height of silicone sealant is not greater than 5mm on completion on bedding.**
- 7- Connect pan to connector and locate plastic fixing sleeve and brass bush into holes in the pan. Fit screw into the bracket and tighten to bed pan to floor while ensuring level, as detailed in Fig. 7.

**IMPORTANT - DO NOT OVER TIGHTEN, AS THIS MAY CRACK THE PAN FOOT.** Snap on plastic cap, as detailed in Fig. 7.

- 8- Provide support under the pan foot so that it is maintained in the levelled position while the silicone sealant sets. Remove any excess sealant to provide a neat joint between the pan and the floor. Allow at least 24 hours for the bedding sealant to set before use.

### CLOSE COUPLED CISTERN FIXING PROCEDURE

#### Standard Right Hand Bottom Inlet

**Note:** The inlet valve can be changed from right to left.

The cistern fixes directly to the pan with a robust base fixing system without the need for wall fixing.

- 1- Securely attach Foam Seal around the outlet on the base of cistern, as detailed in Fig. 11. Remove outlet valve to gain access to the cistern fixing holes.
- 2- Connect external flexible hose (Not supplied) to Inlet adapter bottom end and thread other end of flexible hose through side hole on pan, as detailed in Fig. 8. Position cistern onto pan and align the cistern fixing holes with pre-fitted capturing nuts located on the cistern platform. Inset & tighten fixing bolts with a screwdriver to secure the cistern to the pan, as detailed in Fig.11.
- 3- Connect Inlet adaptor top end and BE Inlet valve with supplied flexible hose.  
**Note:** As specified in Australian Standard AS/NZS 3499, flexible hose assemblies shall not be submerged.
- 4- Refit the outlet valve into position.
- 5- Flush the lines and connect water supply and check operation of cistern.
- 6- Turn on water mains. Open the Cistern Stop Valve and check the operation of the mechanisms and valve. Adjust water level to the water level mark inside the cistern by simply turning the float arm adjustment screw in a clockwise or anti clockwise direction as detailed in Fig. 11.
- 7- Fit lid to check push button operation to complete installation.

#### Back Entry Installation

- 1- Securely attach Foam Seal around the outlet on the base of cistern, as detailed in Fig. 11. Remove outlet valve to gain access to the cistern fixing holes.
- 2- Position cistern onto pan and align the cistern fixing holes with pre-fitted capturing nuts fixing holes located in the cistern platform. While lowering cistern onto pan, angle the top of the cistern away from the wall until the cut-out clears the connection nipple in the wall.
- 3- Inset & tighten fixing bolts with a screwdriver to secure the cistern to pan, as detailed in Fig. 11.
- 4- Fit Cistern Stop Valve (Not supplied) to the 1/2" B.S.P. nipple in the wall using approved thread seal, in the downward angled position as detailed in Fig. 11. Connect one end of flexible hose to cistern stop valve.
- 5- Flush the lines before connecting the flexible hose to the BE inlet valve and ensure the hose is not rubbing against the inside of the cistern.  
**Note:** As specified in Australian Standard AS/NZS 3499, flexible hose assemblies shall not be submerged
- 6- Turn on water mains. Open Cistern Stop Valve and check for leaks and operation of mechanisms and valves. Ensure there is no leakage from the cistern into the pan.
- 7- Adjust water level to water level mark inside the cistern by simply turning the float arm screw in a clockwise or anti-clockwise direction as detailed in Fig. 11.
- 8- Fit cistern lid to check flush button operation to complete installation.

Installation must be in accordance with AS/NZS 3500.1 and AS/NZS 3500.2



**IMPORTANT TO ACHIEVE A SATISFACTORY 4.5/3L FLUSH PERFORMANCE AND A 4 STAR WATER EFFICIENCY RATING THE CISTERN MUST BE MATCHED WITH A COMPATIBLE CAROMA SMARTFLUSH 4.5/3L TOILET PAN.**

All measurements are subject to accepted manufacturing tolerances. To ensure accuracy please check actual product dimensions before drilling for installation. The manufacturer reserves the right to change specifications at any time without giving prior notification. This product should be installed by a qualified plumber. Local authority, Water Board, & Building Regulations may apply to the installation of this product, and you should consult the appropriate bodies on these requirements.