stylus

Back Entry Water Connection Rough-in

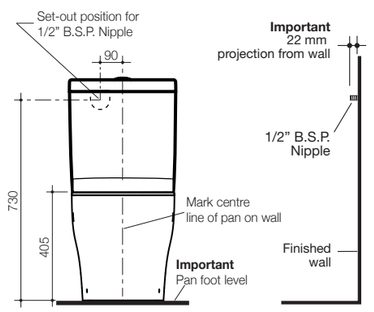


Fig. 1 Side view of wall

Pan Connector Rough-in

Recommended rough-in dimension 140mm
Rough-in range 60mm - 190mm

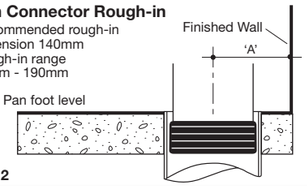


Fig. 2

Connection End Cutting Height

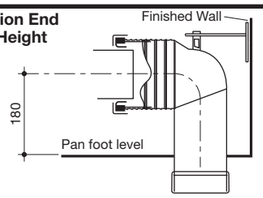


Fig. 3

Pan Connection End Cutting Position

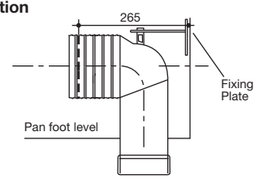


Fig. 4

Cutting Detail

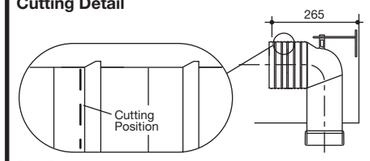


Fig. 5

Seal Assembly

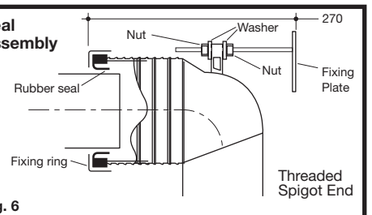


Fig. 6

Concealed Fixing Bracket

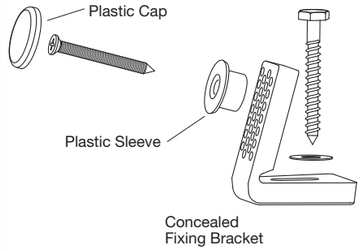


Fig. 8

Bottom Inlet Cistern Fixing

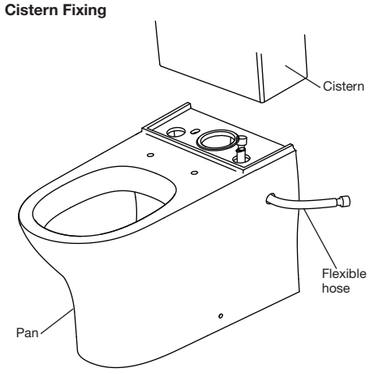


Fig. 9

Bracket Fixing Detail

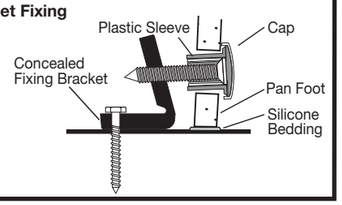


Fig. 7

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

'S' Trap Bedding Installation

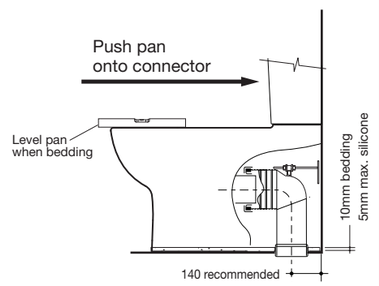


Fig. 10

'P' Trap Bedding Installation

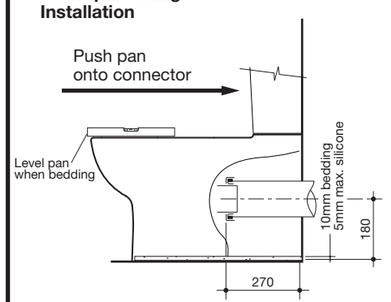
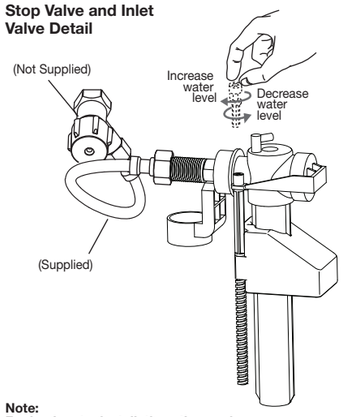


Fig. 11

Stop Valve and Inlet Valve Detail

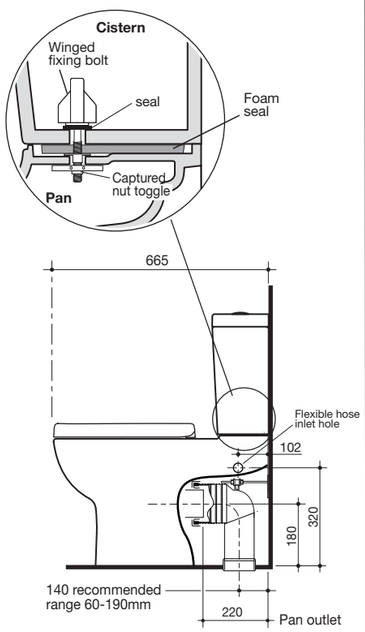


Note:
For back entry installations the maximum working pressure is 1000 kPa flow pressure

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.

Fig. 12

Alto I Wall Faced Close-Coupled 4.5/3 Litre Dual Flush Toilet Suite



PLUMBERS' INSTALLATION INSTRUCTIONS
For Alto I Suite with Compact Uniconnector
4.5/3 litre Toilet Suite (PLEASE READ CAREFULLY BEFORE INSTALLATION)

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 60mm-190mm with the Uniconnector 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. 9).

'S'- TRAP CONNECTOR FIXING PROCEDURE

Compact Uniconnector 60mm-190mm set-out range.

1- Mark centre line of the pan on finished wall which is to be used as a guide when connecting the pan. Refer **Fig. 1**.

2- Determine set-out **"A"** of existing drain line, as detailed in **Fig. 2**. Set-out range 60mm-190mm. Recommended set-out for 'S' trap installation 140mm, as detailed in **Fig. 10**. For 'P' trap installation refer to **Fig. 11**.

3- Push the connector into the drainline. Position fixing nut onto threaded rod and fit onto the connector. Mark centre hole positions of the fixing plate on the finished wall.

4- Determine and mark cutting position of pan connection end 265mm from finished wall and remove connector, as detailed in **Fig. 4**.

5- Cut pan connection end at the back of the serration which is nearest to the mark. Remove any 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 onto drain line, position fixing plate and threaded rod onto connector, fix with washer and nut as so shown in **Fig. 6.** Secure fixing plate 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. Ensure pan is level as detailed in **Fig. 10** and **Fig. 11.** 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 that 5mm on completion on bedding**.

7- Connect pan to connector and locate plastic fixing sleeve into holes in the pan. Fit screw into the bracket and tighten to bed pan to floor as detailed in **Fig. 7**. Ensure pan is level as detailed in **Fig. 10** and **Fig. 11**.

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.

CISTERN FIXING PROCEDURE

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

Standard right hand bottom inlet (Internal overflow only) installation. (The inlet valve can be changed from right to left).

1- Ensure the foam seal at base of cistern is securely attached to cistern base, as detailed in **Fig. 12**.

2- Connect flexible hose to cistern inlet valve, lower and position cistern onto pan, and align the cistern fixing holes with the threaded fixing holes located in the cistern platform.

3- Fit the seals onto the winged fixing bolts. Remove outlet valve to access bottom of cistern.

4- Insert the winged fixing bolts through the cistern fixing holes into the threaded fixing holes located in the pan. Gradually tighten the left and right hand nuts by hand to firmly secure the cistern to pan, as detailed in **Fig. 12**. Replace outlet valve ensuring orientation is correct.

5- Flush the lines before connecting the flexible hose to the stop tap.

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- Fit cistern lid to check push button operation to complete installation.

Back entry installation

1- Position foam seal around the outlet on the base of cistern. Remove inlet valve to gain access to the right hand cistern fixing hole.

2- Position cistern onto pan and align the cistern fixing holes with the threaded fixing holes located in the cistern platform.

3- Ensure that the back inlet water connection nipple is aligned with the cut out in the back of the cistern. Fit the seals onto the winged fixing bolts.

4- Insert the winged fixing bolts through the cistern fixing holes into the threaded fixing holes located in the pan. Gradually tighten the left and right hand nuts by hand to firmly secure the cistern to pan, as detailed in **Fig. 12**.

5- Fit cistern stop valve (not supplied) to the ½" B.S.P. nipple in the wall using approved thread seal, in the downward angled position as detailed in **Fig. 12.** Connect one end of flexible hose to cistern stop valve.

Note: As specified in Australian Standard AS/NZS 3499, flexible hose assemblies shall not be submerged.

6- Refit the inlet valve into position.

7- Flush the lines before connection the flexible hose to the stop tap and ensure the hose is not rubbing against the inside of the cistern.

8- 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.

9- Adjust water level to the 4.5 litre water level mark inside the cistern by simply turning the float arm screw in a clockwise or anti-clockwise direction as detailed in **Fig. 12**.

10- Fit cistern lid to check push button operation to complete installation.

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