

## PLUMBERS INSTALLATION INSTRUCTIONS

### Important Information

- \* HOT & COLD WATER INLET PRESSURES MUST BE EQUAL.
- \* Not suitable for gravity feed systems.
- \* Wall basin outlet is fitted with a flow regulated aerator insert. The lower flow rate may not be suitable for connection to some Instantaneous Gas Water Heaters, some Tempering Valves, some Solar Water Heaters & some Thermostatic Mixing Valves. Check with the manufacturers of these products.
- \* In-wall components must be mounted accurately to ensure tapware operates correctly when installed.
- \* Brazed connections should NOT be made directly onto mixer, as excessive heat will cause permanent damage.
- \* All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water. Note: Aerator insert must be retightened to prevent removal by hand.

### Installation (Fig. 1 & 3)

- 1) *Body:* Fit mixer body assembly (9-13) onto a suitable mounting plate or noggin in the wall and secure using screws through the holes in its base. When facing the mixer, the connections should be as follows (Fig.3):  
Hot water inlet connection 'H' below mixer cartridge.  
Cold water inlet connection 'C' to the right of mixer cartridge.  
Mixed water outlet connection, to the left of mixer cartridge.  
Check all connections for leaks and the tap for correct operation.

### Important :

- \* Mixer body (9-13) must be installed square to wall/tile face and horizontal to ensure cover plate (8) aligns with finished tile joints.
  - \* To avoid damaging the decorative finish, do not remove the plastic protective caps until installation has been completed.
- 2) *Trim:* Remove protective cap from mixer body (12) and make sure the external surface of mixer body (12) is clean. Apply a suitable clear sealant to the back face of the wall cover plate (8), leaving an unsealed section at the bottom for drainage. Apply a suitable clear sealant in the corner around the location diameter of the retaining ring (7) to prevent water entering the wall cavity (See Fig 1).
  - 3) Carefully fit the wall cover plate (8) followed by the retaining ring (7) onto the mixer body (12), ensuring the pin in the retaining ring is engaged in the location slot (with the screws at the bottom). Push the retaining ring and wall cover plate firmly against the wall/tile face and tighten screws (6) using 2mm allen key (5). Wipe clean any excess sealant from the decorative surfaces & the wall/tile face. (See Fig.1)

- 4) Fit handle (1) as shown, taking care that it is pushed fully onto cartridge stem, then tighten grub screw (2) using 2.5mm allen key (3). Screw handle lever (4) onto grub screw (2) and tighten by hand.
- 5) Check that thread (13) is the correct length, as shown. Cut to length if required ensuring end face is square. Apply thread tape to the thread of body outlet (13). **Important:** Care must be taken that thread tape cannot become dislodged and block the flow regulating device, causing a reduction in water flow.
- 6) Apply a suitable clear sealant in the corner around the location diameter of the retaining ring (15) to prevent water entering the wall cavity (See Fig.4). Slide the retaining ring (15) onto the basin outlet (14). Screw the inlet of the basin outlet (14) onto the thread of the body outlet (13) until its base is adjacent to the wall cover plate, then screw on a further 2-3 turns and position so that the aerator insert is pointing down as shown, taking care not to damage the decorative finish. DO NOT OVERTIGHTEN. Push the retaining ring (15) firmly against the wall cover plate (8) and tighten screws (6) using 2mm allen key (5). Wipe clean any excess sealant from the decorative surfaces.
- 7) Turn on Hot and Cold water supplies and check operation.

### Replacing Cartridge (Fig. 1)

- 1) Turn off hot and cold water supplies.
- 2) Unscrew handle lever (4), taking care not to damage the finish. Using 2.5mm allen key (3), loosen grub screw (2) and remove handle (1). Remove cap (9) taking care not to damage the finish. Unscrew nut (10) then lift out old cartridge (11).
- 3) Ensure inside face of mixer body (12) is clean. Check that seal is in position in base of new cartridge (11). Fit new cartridge (11) into mixer body (12), taking care that two lugs on base of cartridge (11) fit into mating holes in mixer body (12).
- 4) Screw on nut (10). **Important :** Nut (10) should be tightened to a torque of 10Nm.
- 5) Replace cap (9), tightening by hand. Fit handle (1) taking care that it is pushed fully onto cartridge stem, then tighten grub screw (2) using 2.5mm allen key (3). Screw handle lever (4) onto grub screw (2) and tighten by hand.
- 6) Turn on water supplies and check operation.

<b>IMPORTANT</b>
<b><u>Pressure &amp; Temperature Requirements.</u></b>
<ul style="list-style-type: none"> <li>• Hot and cold water inlet pressures should be equal.</li> <li>• Static inlet pressure range : 150 -1000 kPa New Regulation :-500 kPa maximum static pressure at any outlet within a building. (Ref. AS/NZS 3500.1)</li> <li>• Maximum hot water temperature : 80°C.</li> </ul>
<b><u>Installation Requirements.</u></b>
<ul style="list-style-type: none"> <li>• The installing plumber is responsible for waterproofing all penetrations for Taps in Shower areas at installation by a proprietary flange system or a sealant.(Ref AS3740)</li> </ul>

### Removing Aerator Insert (Fig.4)

- 1) Aerator insert (16) can be removed with spanner (17) provided.
- 2) Deposits of lime can be removed by washing in a vinegar solution.
- 3) When replacing aerator insert (16), be careful that thread is engaged correctly and 'O' ring is not damaged as it enters the bore. Tighten securely (to prevent removal by hand) using spanner (17).

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