VILLA WALL BASIN/BATH MIXER

PLUMBERS INSTALLATION INSTRUCTIONS

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Important Information

- **To ensure the lugged elbow (11) is mounted accurately, a plastic template (21) is supplied to assist with installation.**
- **Not suitable for gravity feed systems.**
- **Brazed connections should NOT be made directly onto the mixer, as exccesive heat will cause permanent damage.**
- **Basin outlet is fitted with a flow regulated aerator insert. This low 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. Note:- An aerator insert kit (Part No. SP2001), is available if required. For applications where flow regulation is not suitable (e.g. bath) a full flow aerator insert has been provided within the packaging. To convert the basin outlet to a bath outlet, refer to 'Replacing Aerator Insert'**
- **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 housing must be retightened to prevent removal by hand.

IMPORTANT
Pressure & Temperature Requirements.
• Hot and cold water inlet pressures should be equal.
• 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)
• Maximum hot water temperature : 80℃.

+ Not supplied.

Installation

1) Determine the orientation of the outlet (16) to the right or left of the mixer body (9) when installed (Fig. 3). Fit suitable fittings to the connection ports of the mixer body (9) (Fig.2).
   Note: Pipework and fittings are not supplied.
   When facing the mixer, the connections should be as follows:
   Hot water inlet connection 'H' to the left.
   Cold water inlet connection 'C' to the right.
   Mixed water outlet connection, vertically upwards.
   Note : A suitable elbow fitting (12+) should be fitted to the inlet connection adjacent to the lugged elbow (11) (Fig.2). Fit mixer body (9) onto a suitable mounting plate or noggin in the wall using screws (10) through the holes in its base.
   Important :
   *Mixer body (9) must be installed square to wall/tile face, to ensure cover plate (5) sits flush.
   *To avoid damaging the decorative finish, do not remove the protective sleeves until installation has been completed.
2) Assemble adaptor spigot (14) together with sealing washer (13) onto the G1/2B outlet thread of the lugged elbow (11) and tighten to provide a watertight joint. Connect the outlet of mixer body (9) to the inlet of lugged elbow (11) using suitable pipework.
   Note: Pipework and fittings are not supplied.
   Check all connections for leaks.
   Fit the large hole of the template (21) over the mixer body (9) and the smaller hole onto the adaptor spigot (14). Fig. 4.
   Note:- The flat face of the template must be at the back.
   Place a spirit level on the corner pegs at the top of the template, then when the alignment is horizontal fix the lugged elbow through the holes in its base using screws (10).
   Remove template (21) & discard.
3) Assemble the outlet (16) to the cover plate (5) using screws (15) in the orientation chosen. Apply suitable lubricant to the 'O'Rings on adaptor spigot (14). Carefully slide the cover plate (5) together with the 'O'ring onto the mixer body (9) and adaptor spigot (14), push evenly untill the cover plate (5) contacts the wall/tile face. (Fig. 1). While holding the cover plate in this position tighten the screws (17) using the 2.5mm allen key (3).
4) Fit handle (1) taking care that it is pushed fully onto cartridge stem, tighten screw (2) using the 2.5mm allen key (3) then fit plug (4). (Fig. 1)
5) Turn on Hot and Cold water supplies and check operation.

Replacing Cartridge (Fig.1)

1) Turn off hot and cold water supplies.
2) Carefully remove plug (4), loosen screw (2) and remove handle (1). Unscrew cap (6) taking care not to damage the decorative finish. Unscrew retaining nut (7) and remove the old cartridge (8).
3) Ensure inside of mixer body (9) is clean. First check that seal is in position in base of new cartridge then fit new cartridge (8) into mixer body taking care that two lugs on base of cartridge fit into mating holes in mixer body. Screw on nut (7). **Important :** Nut (7) should be tightened to a torque of 10Nm. Replace cap (6), tightening by hand.
4) Fit handle (1) taking care that it is pushed fully onto cartridge stem, tighten screw (2) using the 2.5mm allen key (3) & replace plug (4).

Replacing Aerator Insert (Fig. 5)

1) Carefully remove aerator housing (20) from outlet (16), taking care not to damage the decorative finish.
2) Remove seal (18) & aerator insert (19) from aerator housing (20). Check that aerator housing is clean. Deposits of lime can be removed by washing in a vinegar solution.
3) Fit new aerator insert (19) into aerator housing (20) followed by seal (18) then screw assembly into wall outlet (16) and tighten securely (to prevent removal by hand).

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+ Not supplied.

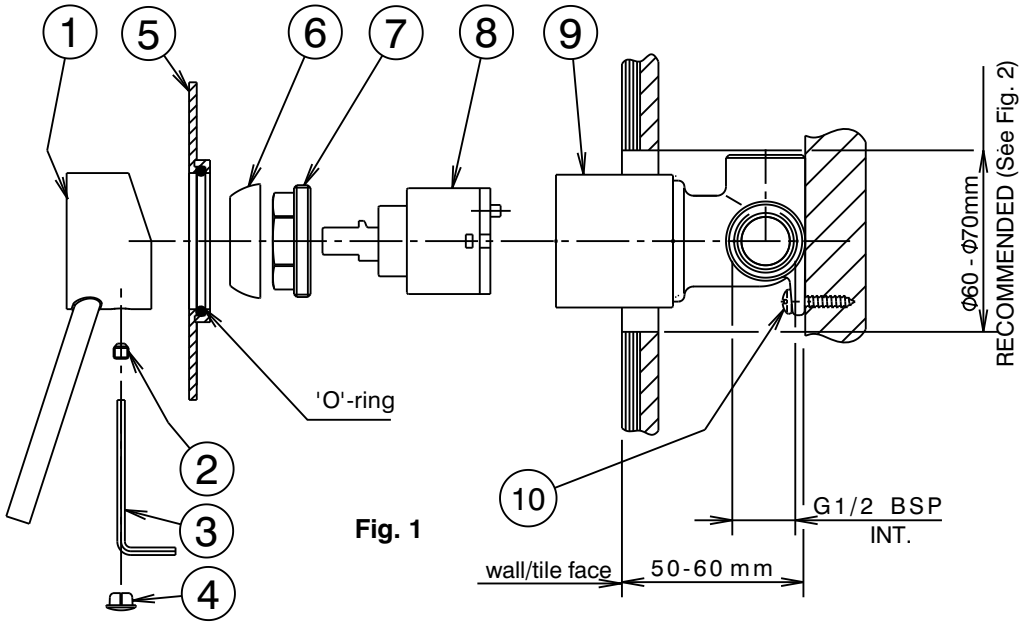

Fig. 1

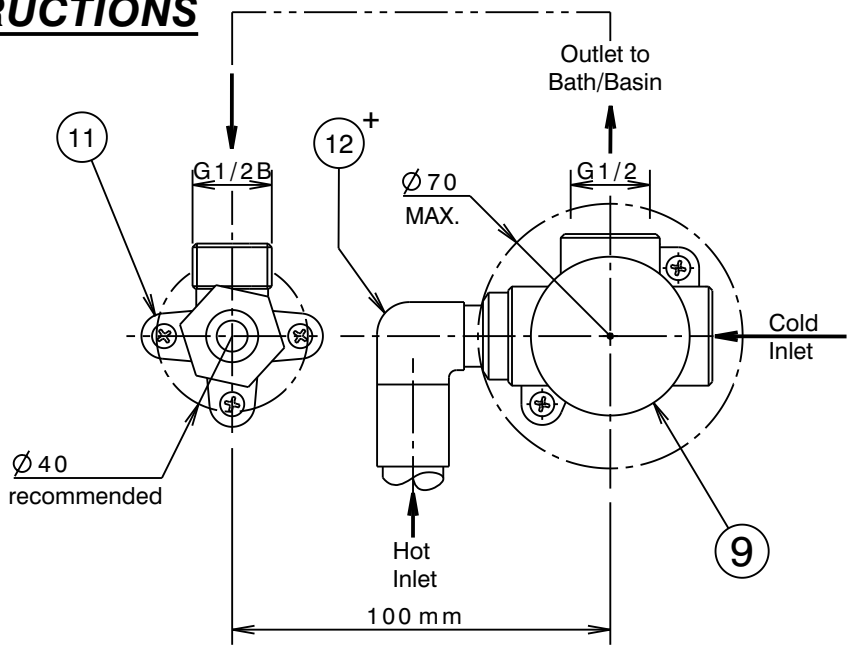

Fig.2 (Left hand installation shown)

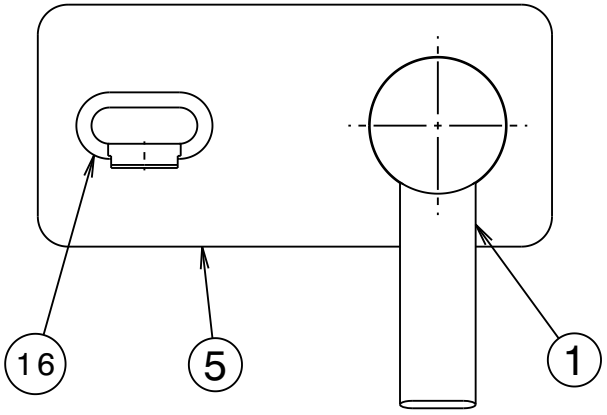

Fig. 3 Left Hand Installation shown

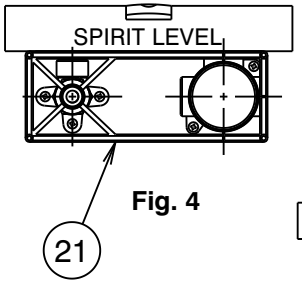

Fig. 4

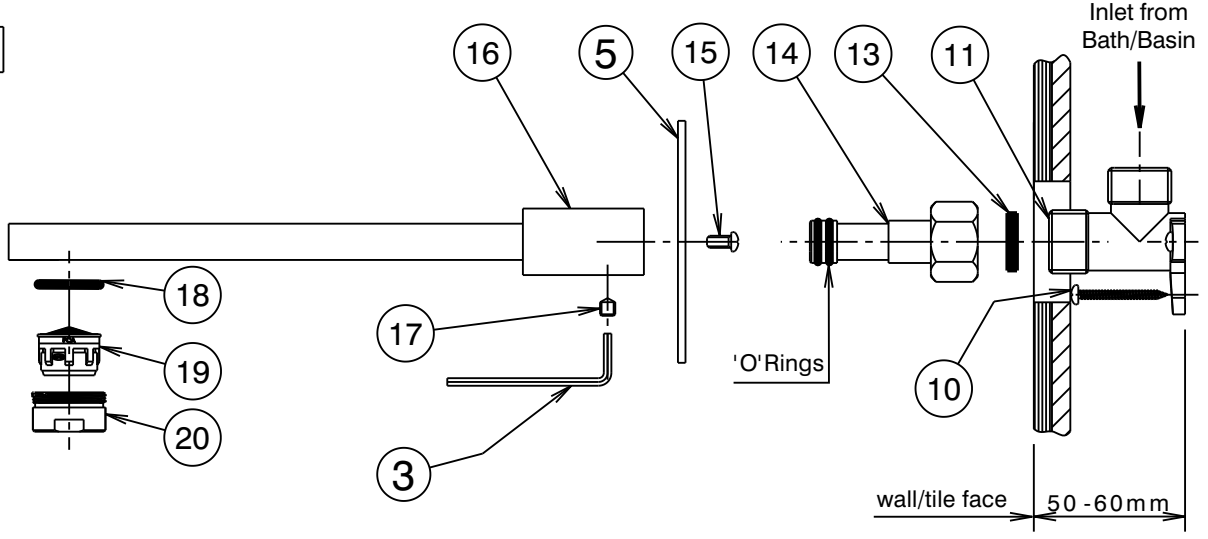

Fig. 5

IS1316A(06/15)