

PLUMBERS INSTALLATION INSTRUCTIONS

Important Information

- * HOT & COLD WATER INLET PRESSURES MUST BE EQUAL.
- * Not suitable for gravity feed systems.
- * Adaptor (17) is fitted with a flow regulator. 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. For applications where flow regulation is not suitable (e.g. bath), the flow regulator should be removed. To convert the basin outlet to a bath outlet, the flow regulator can be accessed by referring to the flow regulator servicing instructions (Fig.5)
- * To ensure the wall elbow (11+) is mounted accurately, a plastic template (15) is supplied to assist with installation. (Fig.6)
- * Brazed connections should NOT be made directly onto the 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.

Installation

- 1) Determine if outlet (12) is to be positioned to the right or the left of the mixer body (8) when installed (Fig.2.). Fit mixer body (8) onto a suitable mounting plate or noggin in the wall and secure using screws through the holes in its base. **Note:** Fit the cover plate (9) to the mixer body (8) and level off one edge before fixing the body in position. 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 (10+) should be fitted to the inlet connection adjacent to the outlet (12) (Fig.2). Check all connections for leaks.
Important :
* Mixer body (8) must be installed square to wall/tile face, to ensure cover plate (9) sits flush.
* To avoid damaging the decorative finish, do not remove the protective sleeve until installation has been completed.
* **Note:** If the outlet (12) is required to be on the left of the mixer body (8) when installed, remove screw (12a) with 2mm allen key (14) and fit into opposite hole in outlet (12).
- 2) Connect the outlet of mixer body (8) to the inlet of wall elbow (11+) using suitable pipework. **Note:** Pipework and fittings are not supplied. Fit the large hole of the template (15) over the protective sleeve of the mixer body with the G1/2B outlet thread of the wall elbow (11+) located in the remaining hole as shown in Fig. 6. **Note:-** The flat face of the template (15) must be at the back. Place a spirit level on the corner pegs at the top of the template (15), then when the alignment is horizontal fix the wall elbow using suitable screws through the holes in its base. Remove template (15) & discard.

IMPORTANT
<u>Pressure & Temperature Requirements.</u>
<ul style="list-style-type: none"> • 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 3500.1-2003, Clause 3.3.4) • Maximum hot water temperature : 80°C.
<u>Installation Requirements.</u>
<ul style="list-style-type: none"> • 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 AS3740-2010, Clause 3.10)

- 3) When completing the installation, after sheeting/tiling, remove protection sleeve from mixer body (9) and discard. Check that the end of the G1/2B outlet thread of the wall elbow (11+) is 8±2mm from the finished wall/tile face. Cut to length if required. Apply thread tape to the thread of wall elbow (11+).
Important: Care must be taken that thread tape cannot become dislodged and block the flow regulating device, causing a reduction in water flow. Screw adaptor (17) onto wall elbow (11+) taking care that face 'X' of adaptor (17) is flush to 1mm below the finished wall/tile face. (Fig. 5). Apply suitable lubricant to 'O'Rings on adaptor (17). If the flow regulator is not required, it should be removed now (Ref. 'Servicing the Flow Regulator').
- 4) Apply a suitable clear sealant to the back edge of the cover plate (9), leaving an unsealed section at the bottom for drainage. After making sure seal (9a) is in place as shown in Fig. 1 carefully fit the cover plate (9) onto the mixer body (8). Push the cover plate (9) firmly against the wall/tile face and engage the smaller hole in the plate with the spigot on adaptor (17). Wipe/clean excess sealant from the chrome surfaces & the wall/tile face. (See Fig. 1 & Fig.5).
- 5) Install the wall outlet (12) onto the spigot of adaptor (17), ensuring grub screw (12a) is engaged with guide hole in cover plate (5) (Fig.4), then push it firmly against the cover plate (5) while tightening grub screws (13) using the 2mm allen key (14).
- 6) Fit handle (1) taking care that it is pushed fully onto cartridge stem, then tighten grub screw (2) using the 2.5mm allen key (3). Fit plug (4), taking care not to damage the decorative finish.
- 7) Turn on Hot and Cold water supplies and check operation.

+ Not supplied.

Replacing Cartridge (Fig. 1)

- 1) Turn off hot and cold water supplies.
- 2) Carefully remove plug (4) before using a 2.5mm allen key (3) to loosen grub screw (2) and remove handle (1). Remove cap (5) taking care not to damage the decorative finish. Unscrew nut (6) then lift out old cartridge (7).
- 3) Ensure inside face of mixer body (8) is clean. Check that seal (7a) is in position in base of new cartridge (7). Fit new cartridge (7) into mixer body (8), taking care that two lugs on base of cartridge (7) fit into mating holes in mixer body (8).
- 4) Screw on nut (6). **Important:-** Nut (6) should be tightened to a torque of 10 Nm.
- 5) Fit handle (1) taking care that it is pushed fully onto cartridge stem, then tighten grub screw (2) using the 2.5mm allen key (3). Replace plug (4), taking care not to damage the decorative finish.
- 6) Turn on water supplies and check operation.

Servicing the Flow Regulator (Fig.5)

- 1) Turn off hot and cold water supplies.
- 2) Loosen screws (13) using 2mm allen key (14) & slide outlet (12) from adaptor (17). Unscrew regulator housing (16) from adaptor (17) using a suitable spanner. If required the regulator can be removed from the housing by using the 2mm allen key to carefully push it out through the waterway hole. Ensure flow regulator (16) is not damaged and is clean and free of blockages.
- 3) If replacing the regulator, push it into the housing (16) until it is bottomed. Screw on the housing (16) & tighten.
- 4) Assemble the wall outlet (12) onto the adaptor (17) and, while holding firmly against the wall cover plate, tighten screws (13) by using allen key (14).

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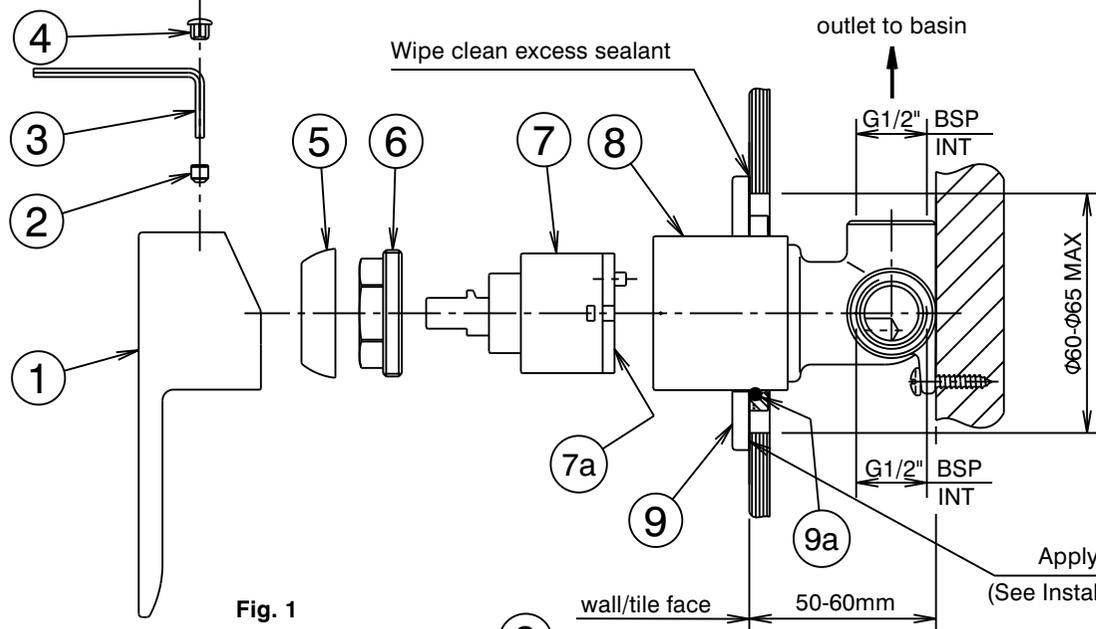


Fig. 1

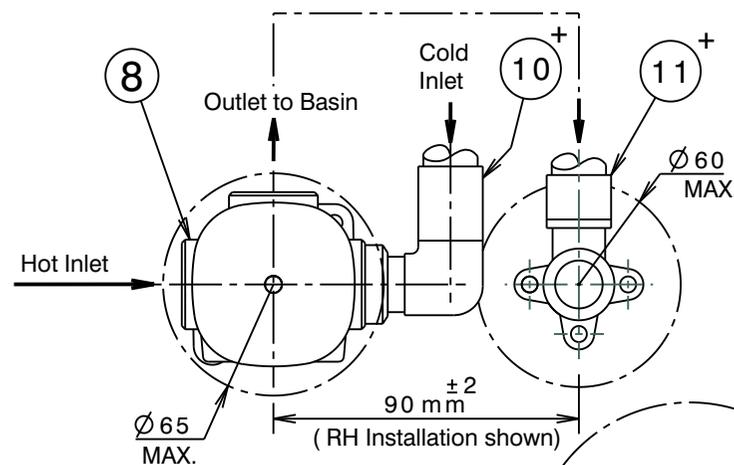


Fig. 2

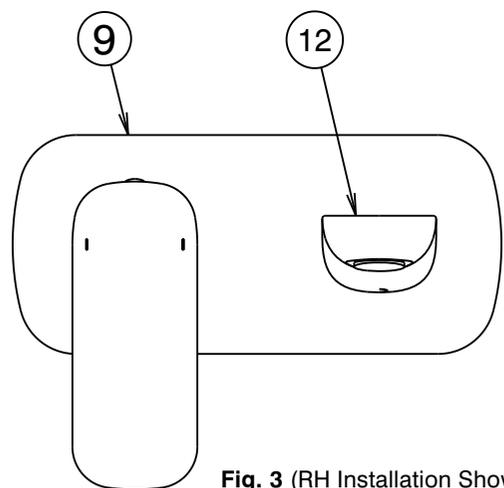


Fig. 3 (RH Installation Shown)

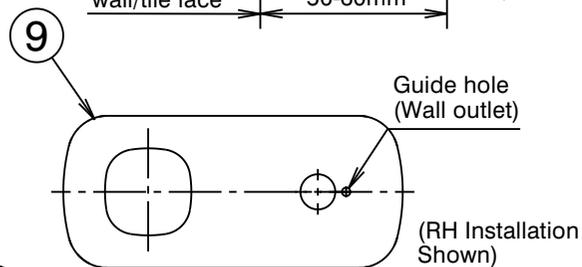


Fig. 4

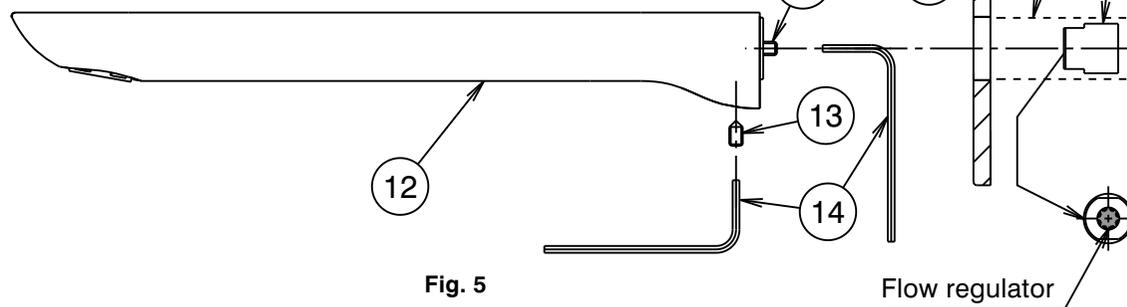


Fig. 5

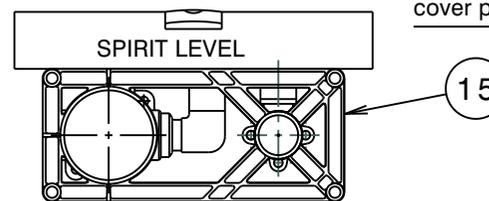


Fig. 6

