

PLUMBERS INSTALLATION INSTRUCTIONS

Important Information

- * Not suitable for gravity feed systems.
- * Mixer is fitted with a regulated 5.6L/min aerator insert (29). 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. If required, 5.6L/min aerator insert (29) can be replaced with 4.5L/min aerator insert (30) (Supplied in a bag) to get lower flow rate, (See "Replacing Aerator insert"). Check with the manufacturers of these products.
- * Isolating stop taps must be fitted to the hot & cold water supplying connections. (Part No. 842018C - Mini cistern 1/4T)
- * All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water.

Mixer is supplied for right hand facing handle with 180° swivel outlet.

- 1) For fixed outlet setting, unscrew the cover (21) by hand and lift it up just enough to expose the screw (27), tighten screw (27) completely using allen key (5). Care must be taken while lifting the cover (21) to prevent damage to the decorative finish on cover (21) & outlet (23).
- 2) For 70° swivel outlet setting, unscrew the cover (21) by hand, remove screw (27) using allen key (5), pull the outlet (23) out of the body (9), lift cover (21) up just enough to expose the retainer (26). Remove the retainer (26), fit long retainer (28) onto groove of outlet as shown in Fig. 1, ensure that split ring (24) is fitted in place and 'O' rings (25) not damaged, push the outlet (23) back fully into the body (9), align the hole in the retainer (28) with hole in the body (9) as shown in Fig. 2. Insert the screw (27) and screw it in using allen key (5) until the front of the screw (27) is protruded the cylindrical face of body (9) a little. Slide the cover (21) back down, screw it by hand and hand tighten.

Front facing handle option.

- 1) Unscrew the cover (21) by hand, remove screw (27) using allen key (5), pull the outlet (23) out of the body (9), lift cover (21) up just enough to expose the retainer (26) as shown in Fig. 1.
- 2) For 180° swivel outlet setting, fit short retainer (26) onto groove of outlet (23); For 70° swivel outlet setting, fit long retainer (28) onto groove of outlet (23); Then push the outlet (23) back fully into the body (9), align the hole in the retainer with hole in the body (9) as shown in Fig. 3. Insert the screw (27) and screw it in using allen key (5) until the front of the screw (27) is protruded to the cylindrical face of body (9) a little. For fixed outlet setting, tighten screw (27) completely. Slide the cover (21) back down, screw it by hand and hand tighten.

Installation

1. Ensure 'O' ring (11) is fitted into groove in base ring (10). Slide the base ring (10) over the threaded tube (12) & locate spigot of base ring (10) into base of mixer body (9) as shown in Fig. 1.
2. Flexible Tail Mixer Connections: Apply suitable lubricant to 'O' rings (17). Fit flexible tail (19) (with red indication) into inlet hole marked with a Red Dot in underside of mixer body (9). Hand tighten the tail, ensuring the 'O' ring (17) has fully entered the sealing bore to provide a watertight joint. Fit other flexible tail (with blue indication) into remaining hole in a similar manner.
3. Note: For thin decks, a triangle spacer (32) is supplied, which can be fitted prior to the flat seal (13). Insert the inlet connection end (20) of each flexible tail (19) through

the hole in the deck. Fit mixer into deck hole, fit washer (14) together with flat seal (13) over threaded tube of mixer as shown in Fig. 1. Screw clamp ring (15) onto threaded tube (12) until it contacts washer (14) & the flat seal (13) has contacted the underside of the deck. Tighten two screws (16) using a 3mm allen key until mixer assembly is clamped firmly to the deck. DO NOT OVERTIGHTEN.

4. Flexible Tail Inlet Connections: Connect the flexible tails (19) to the hot and cold isolating stop taps, hand tighten the connecting nut (20) until rubber cone contacts the sealing face of the connection end, then tighten a further one turn to provide a watertight joint.

Important: Flexible tails must not be kinked, twisted or in tension when installed. (Minimum Bend Radius:- 50mm) Do not install flexible tails where subject to ultra violet light.

Replacing Cartridge

- 1) Turn off hot and cold water supplies.
- 2) Carefully remove plug (4) before using a 2.5mm allen key (5) to loosen grub screw (2) and remove handle (1). Remove cap (6) taking care not to damage the decorative finish. Unscrew nut (7) then pull out cartridge (8).
- 3) Ensure inside face of mixer body (9) is clean. Check that seals are in position in base of new cartridge (8). Fit new cartridge (8) into mixer body (9), taking care that two lugs on base of cartridge (8) fit into mating holes in mixer body (9).
- 4) Screw on nut (7). **Important:-** Nut (7) should be tightened to a torque of 9 Nm.
- 5) Fit cap (6) back to the body (9) ensuring the lower surface is pointing down as shown in Fig. 1. Fit handle (1) taking care that it is pushed fully onto cartridge stem, then tighten grub screw (2). Fit plug (4) together with 'O' ring (3), taking care not to damage the decorative finish.
- 6) Turn on water supplies and check operation.

Replacing Aerator Insert

- 1) Aerator insert (29) can be removed with spanner (31) provided.
- 2) Deposits of lime can be removed by washing in a vinegar solution.
- 3) When replacing aerator insert (29) or (30), be careful that thread is engaged correctly and 'O' ring is not damaged as it enters the bore. Tighten securely using spanner (31).

IMPORTANT

- This product complies with the Lead Free requirements of the National Construction Code Volume Three.
- 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 : 70°C.

Deck Requirements

- Deck thickness : 45mm maximum
- Tap body hole (in deck) : Ø34-36mm

