

PLUMBERS INSTALLATION INSTRUCTIONS

Important Information

- * **Not suitable for gravity feed systems.**
- * **Mixer is fitted with a 5.7 L/min 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.**
- * **Isolating stop taps must be fitted to the hot & cold water supply 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. Note: Aerator insert must be retightened to prevent removal by hand.**

Installation

- 1) From fixing pack fit 'o'ring (9) into groove in base of mixer body (8). Assemble screws (13) into clamp ring (12), the threaded end of each screw should be just protruding from the clamp ring.
- 2) **Flexible Tail Mixer Connections:** Apply suitable lubricant to 'O' rings (16). Fit flexible tail (15) (with red indication) into hole marked 'H' in underside of mixer body (8). Hand tighten the tail, ensuring the 'O' rings (16) have 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) Insert the inlet connection end (14) of each flexible tail (15) through the hole in the deck. Fit mixer (8) into deck hole, fit washer (11) together with flat seal (10) over threaded tail of mixer as shown in Fig. 1. Screw clamp ring (12) onto threaded tail until it contacts washer (11) & the flat seal (10) has contacted the underside of the deck. **Note:** Tool (17) is provided to assist with installation of clamp ring (12) when access is limited. Tighten two screws (13) equally using a suitable screwdriver until mixer assembly is clamped firmly to the deck. **DO NOT OVERTIGHTEN.**
- 4) **Flexible Tail Inlet Connections:** Connect the flexible tails (15) to the hot and cold isolating stop taps, hand tighten the connecting nut (14) 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) Using 2.5mm allen key (1) loosen grub screw (2) and remove handle (3). Remove cap (4) taking care not to damage the finish. Unscrew nut (5) then lift out old cartridge (6).
- 3) Ensure inside face of mixer body (8) is clean. Check that seals (7) are in position in base of new cartridge (6). Fit new cartridge (6) into mixer body (8), taking care that two lugs on base of cartridge (6) fit into mating holes in mixer body (8).
- 4) Screw on nut (5). **Important:-** Nut (5) should be tightened to a torque of 10 Nm.
- 5) Replace cap (4), tightening by hand. Fit handle (3) taking care that it is pushed fully down, then tighten grub screw (2).
- 6) Turn on water supplies and check operation.

| IMPORTANT | |
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| <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>Deck Requirements</u> | |
| <ul style="list-style-type: none"> • Deck thickness : 55mm maximum • Tap body hole (in deck) : Ø35- 36mm | |

