

WATER EFFICIENT TAPWARE

(NOMINAL FLOW RATE = 5 L/min)

PLUMBERS INSTALLATION INSTRUCTIONS

Important Information

- * Not suitable for gravity feed systems.
- * Mixer is fitted with a 5 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. Note:- An 8 L/min aerator insert kit (Part No. 20744), is available if required.
- * 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 housing must be retightened to prevent removal by hand.

Installation

- 1) Ensure base flange (9) is screwed onto threaded tail up against base of mixer (8). From fixing pack fit base seal (18) into groove in base flange of mixer (9). Assemble screws (12) into clamp ring (14), the threaded end of each screw should be just protruding from the clamp ring. Fit flat seal (10) into groove in washer (11). Fit flexible tail (16) into inlet fitting (13) marked with a Red Dot. Hand tighten the tail, ensuring the 'O' ring (15) has fully entered thesealing bore to provide a watertight joint. Fit other flexible tail (with blue indication) into remaining fitting in a similar manner.
- 2) **Flexible Tail Mixer Connections:** Apply suitable lubricant to 'O' rings (15). Fit flexible tail (16) (with red indication) into inlet fitting (13) marked with a Red Dot. Hand tighten the tail, ensuring the 'O' ring (15) has fully entered thesealing bore to provide a watertight joint. Fit other flexible tail (with blue indication) into remaining fitting in a similar manner.
- 3) Insert the inlet connection end (17) of each flexible tail (16) through the hole in the deck. Place mixer over deck hole, fit washer (11) together with flat seal (10) over threaded tail of mixer as shown in Fig.1. Screw clamp ring (14) onto threaded tail until it contacts washer (11) & the flat seal (10) has contacted the underside of the deck. Position mixer as required then tighten 3 screws (12) equally using allen key (4) until mixer assembly is clamped firmly to the deck. **DO NOT OVERTIGHTEN.**
- 4) **Flexible Tail Inlet Connections:** Connect the flexible tails (16) to the hot and cold isolating stop taps, hand tighten the connecting nut (17) 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 at isolating stop taps.
- 2) Carefully unscrew handle lever (3). Using 2.5mm allen key (4) 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 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) Replace cap (5), tightening by hand. Fit handle (1) taking care that it is pushed fully down, check that 'o'ring is fitted over grub screw (2) then tighten grub screw (2). Replace handle lever (3) taking care not to damage the decorative finish.
- 6) Turn on isolating stop taps and check operation.

Replacing Aerator Insert

- 1) Carefully remove aerator housing (19) from mixer (8), taking care not to damage the decorative finish. **Hint:** Wearing a dry rubber glove will assist when removing and tightening the housing.
- 2) Remove seal (21) & aerator insert (20) from aerator housing. Check that aerator housing is clean. Deposits of lime can be removed by washing in a vinegar solution.
- 3) Fit new aerator insert (20) into aerator housing (19) followed by seal (21) then screw assembly into mixer (8) and tighten securely(to prevent removal by hand).

