

# LIANO – BASIN SET

## WATER EFFICIENT TAPWARE

(NOMINAL FLOW RATE = 5 L/min)

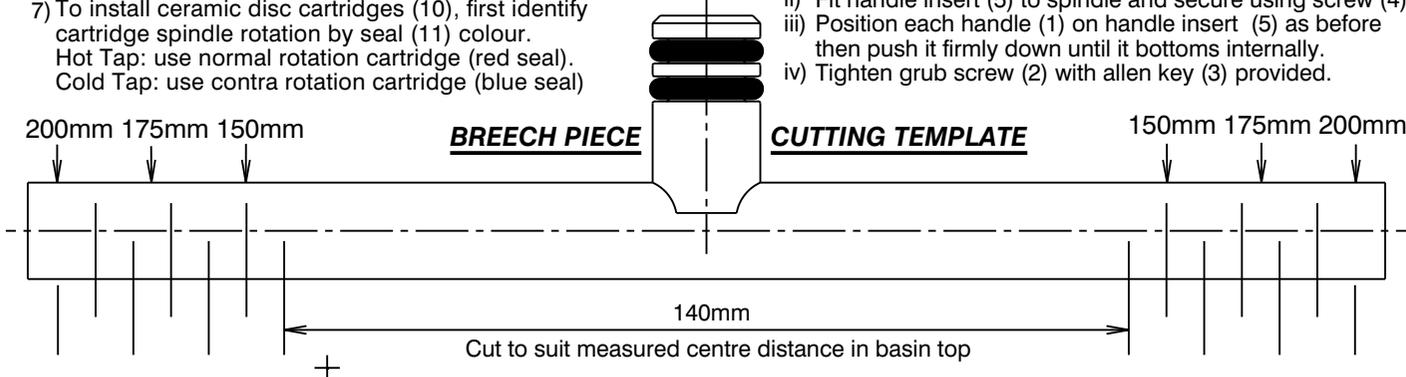
### PLUMBERS INSTALLATION INSTRUCTIONS

#### Important Information

- \* Not suitable for gravity feed systems.
- \* Fixed basin outlet 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. (An 8 L/min flow regulated aerator kit may be purchased. Product Code 20744)
- \* Isolating stop taps are recommended to be fitted to the inlet connections. (Part No: 842018C – Mini cistern 1/4 T)
- \* 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) Measure centre distance between tap body holes in deck, cut brench piece (17) to required length. (As a guide see cutting template below)
- 2) Install basin outlet (21) with seal (20), fit washer (19) and backnut (18) and tighten.
- 3) Fit compression nuts (16) and olives (15) to each end of brench piece (17), connect to tap bodies (14) and tighten compression nuts (16) slightly.
- 4) Fit one locknut (13) and one washer (12) to each tap body (14). Install assembly into deck ensuring 'O' rings on brench piece (17) are not damaged as they enter tail of basin outlet (20). Adjust locknuts (13) so that the tap bodies (14) protrude 5mm above the deck and tighten.
- 5) Fit 'O' ring seal (7) and flange (6) to each tap body (14). Tighten flanges (6) securely, taking care not to damage decorative finish.
- 6) Tighten compression nuts (16) on the brench piece (17).
- 7) To install ceramic disc cartridges (10), first identify cartridge spindle rotation by seal (11) colour.  
Hot Tap: use normal rotation cartridge (red seal).  
Cold Tap: use contra rotation cartridge (blue seal)



IMPORTANT	
<b>Pressure &amp; Temperature Requirements.</b>	
•	Hot and cold water inlet pressures should be equal.
•	Inlet pressure range : 150 – 1000 kPa New Regulation : –500 kPa maximum operating pressure at any outlet within a building. (Ref. AS/NZS 3500.1 – 2003, Clause 3.3.4)
•	Maximum hot water temperature : 80°C.
<b>Deck Requirements</b>	
•	Centre distance between tap body holes : 120–210mm
•	Deck thickness : 25mm maximum
•	Tap body holes (in deck) : $\varnothing 34-36$ mm
•	Tap outlet hole (in deck) : $\varnothing 22-30$ mm

- 8) Remove locknut (8), cap (9) and fibre washer from cartridge (10). Screw cartridge (10) into tap body (14). Using a suitable spanner, tighten cartridge (10) until it comes to a firm stop. (DO NOT TIGHTEN CARTRIDGE USING SPINDLE). Fit fibre washer and then locknut (8) and tighten using a suitable spanner.
- 9) With cartridge spindles in the fully closed position, fit handle insert (5) onto spindle and position handles (1) as shown (Fig.2) before pushing handles (1) fully onto handle inserts (5). For small adjustments to handle positions, cartridge (10) can be rotated **slightly** in an anti-clockwise direction until handles are aligned (Fig.2) before tightening locknut (8). Remove handles (1) and handle inserts (5)
- 10) Fit handle assembly as follows : -
  - i) Turn both spindles to the fully closed position.
  - ii) Fit handle insert (5) to spindle and secure using screw (4).
  - iii) Position each handle (1) on handle insert (5) as before then push it firmly down until it bottoms internally.
  - iv) Tighten grub screw (2) with allen key (3) provided.

