

**WATER EFFICIENT TAPWARE**  
(NOMINAL FLOW RATE = 7 L/min)

## PLUMBERS INSTALLATION INSTRUCTIONS

### Important Information

- \* Not suitable for gravity feed systems.
- \* Sink outlet is fitted with a 7.6 L/min flow regulated aerator insert.
- \* 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 breech piece (16) to required length. (As a guide see cutting template below)
- 2) Install sink outlet (20) with seal (19). For swivel outlets, rotate outlet (20) so that the **caroma** marking is facing towards the front. Fit washer (18) and backnut (17) and tighten.
- 3) Fit compression nuts (15) and olives (14) to each end of breech piece (16), connect to tap bodies (13) and tighten compression nuts (15) slightly.
- 4) Fit one locknut (11) and one washer (12) to each tap body (13). Install assembly into deck ensuring "O" rings on breech piece (16) are not damaged as they enter tail of basin outlet (20). Fit remaining washer (12) and locknut (11), adjust locknuts (11) so that the tap bodies (13) protrude 5mm above the deck and tighten.
- 5) Tighten compression nuts (15) on the breech piece (16).
- 6) **JUMPER VALVE INSTALLATION**

With jumper valve and fibre washer in position as shown, screw tap head assembly (10) into tap body (13) and tighten. Go to step 7.

### CERAMIC DISC INSTALLATION

Remove locknut (23), cap (22) and fibre washer from cartridge (21). Screw cartridge (21) into tap body (13). Using a suitable spanner, tighten cartridge (21) until it comes to a firm stop. (DO NOT TIGHTEN CARTRIDGE USING SPINDLE). Fit fibre washer and then locknut (23) and tighten using a suitable spanner. With cartridge spindles in the fully closed position, fit handle inserts (7) onto spindles then check that handles (1) are in correct alignment when fitted to

IMPORTANT	
<b><u>Pressure &amp; Temperature Requirements.</u></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><u>Deck Requirements</u></b>	
•	Centre distance between tap body holes : 120 – 256mm
•	Deck thickness : 25mm maximum
•	Tap body holes (in deck) : $\Phi 34 - 36$ mm
•	Tap outlet hole (in deck) : $\Phi 22 - 25$ mm

handle inserts (7). For small adjustments to handle positions, cartridge (21) can be rotated **slightly** in an anti-clockwise direction until handles are aligned before tightening locknut (23). Remove handles (1) and handle inserts (7)

- 7) Screw on flanges (8) and tighten securely, taking care not to damage the decorative finish.
- 8) Fit handle as follows: –
  - i) Turn both spindles to the fully closed position.
  - ii) Fit handle insert (7) to spindle, screw on nut (6) and tighten using spanner (5).
  - iii) Slide handle skirt (4) over handle insert (7). Position each handle (1) on handle insert (7) then push it fully down against handle skirt (4).
  - iv) Tighten grub screws (2) with allen key (3) provided.

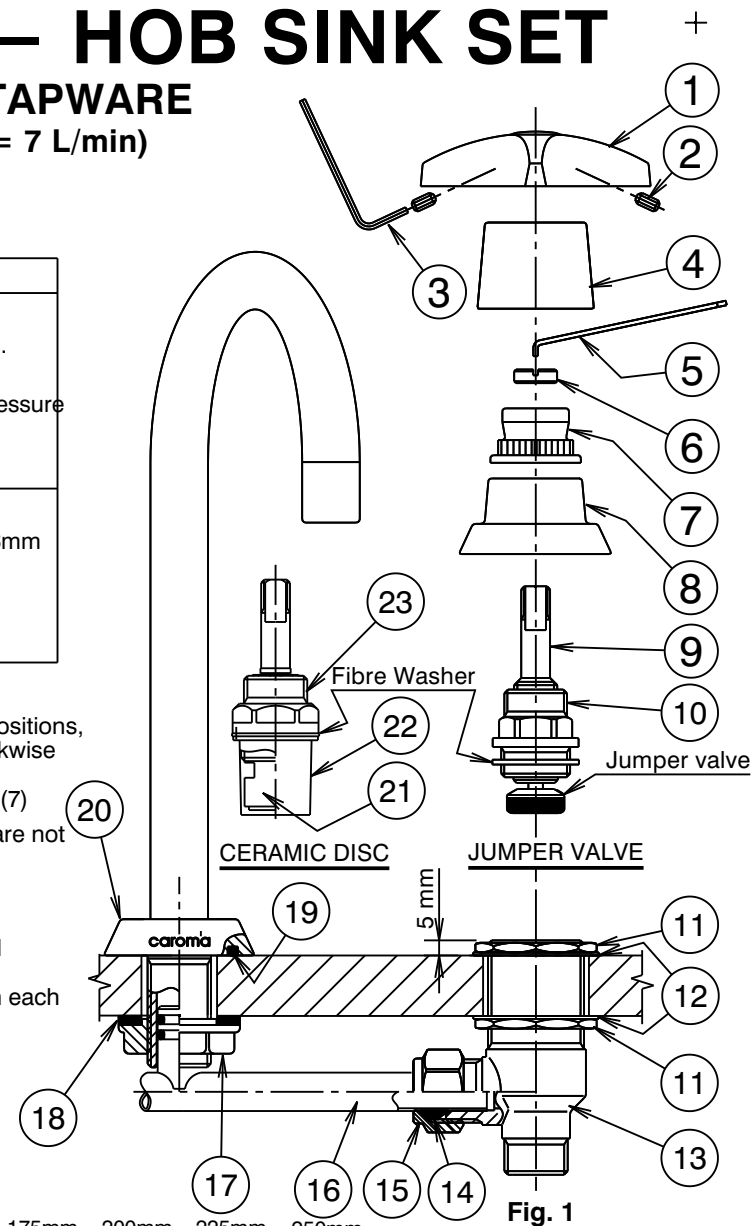
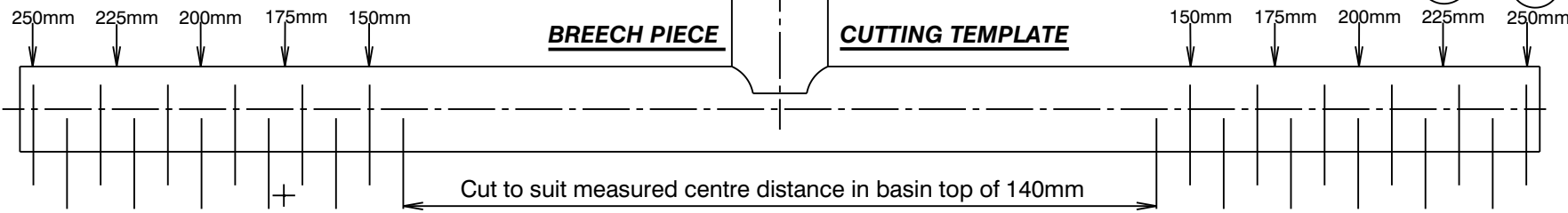


Fig. 1



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### Important Information

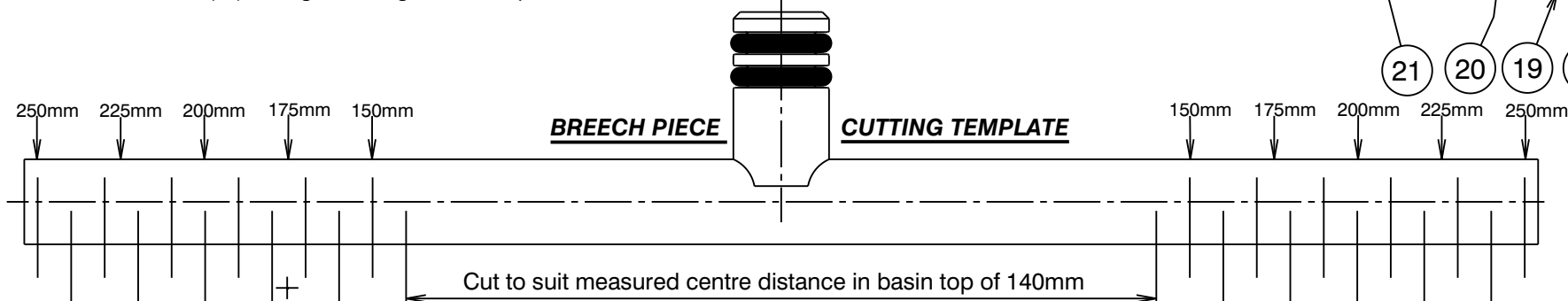
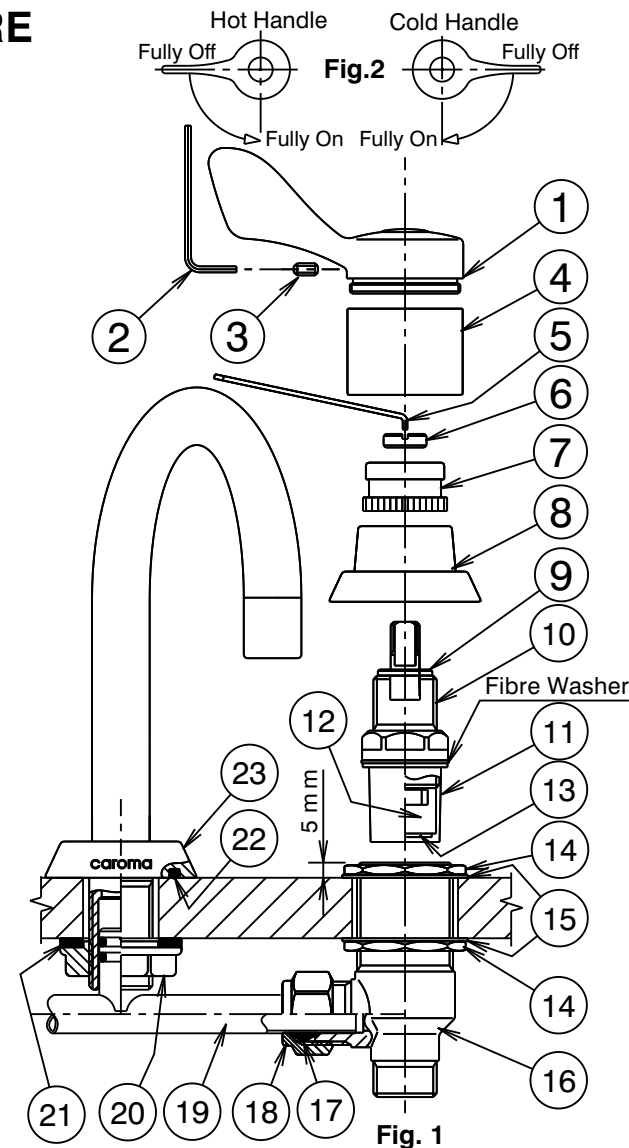
- \* Not suitable for gravity feed systems.
- \* Sink outlet is fitted with a 7.6 L/min flow regulated aerator insert.
- \* All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water.  
**Note: Aerator insert housing must be retightened to prevent removal by hand.**

### Installation

- 1) Measure centre distance between tap body holes in deck, cut breach piece (19) to required length. (As a guide see cutting template below)
- 2) Install sink outlet (23) with seal (22). For swivel outlets, rotate outlet (23) so that the **caroma** marking is facing towards the front. Fit washer (21) and backnut (20) and tighten.
- 3) Fit compression nuts (18) and olives (17) to each end of breach piece (19), connect to tap bodies (16) and tighten compression nuts (18) slightly.
- 4) Fit one locknut (14) and one washer (15) to each tap body (16). Install assembly into deck ensuring "O" rings on breach piece (19) are not damaged as they enter tail of basin outlet (23). Fit remaining washer (15) and locknut (14), adjust locknuts (14) so that the tap bodies (16) protrude 5mm above the deck and tighten.
- 5) Tighten compression nuts (18) on the breach piece (19).
- 6) To install ceramic disc cartridges (12), first identify cartridge spindle rotation by seal (13) colour.  
Hot Tap: use normal rotation cartridge (red seal).  
Cold Tap: use contra rotation cartridge (blue seal).
- 7) Remove locknut (10), cap (11) and fibre washer from cartridge (12). Screw cartridge (12) into tap body (16). Using a suitable spanner, tighten cartridge (12) until it comes to a firm stop. (DO NOT TIGHTEN CARTRIDGE USING SPINDLE). Fit fibre washer and then locknut (10) and tighten using a suitable spanner.

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•	Maximum hot water temperature : 80°C.
<b><u>Deck Requirements</u></b>	
•	Centre distance between tap body holes : 120–256mm
•	Deck thickness : 25mm maximum
•	Tap body holes (in deck) : Ø34–36mm
•	Tap outlet hole (in deck) : Ø22–25mm

- 8) With cartridge spindles in the fully closed position, fit handle inserts (7) onto spindles then check that handles (1) are in correct alignment when fitted to handle inserts (7). For small adjustments to handle positions, cartridge (12) can be rotated **slightly** in an anti-clockwise direction until handles are aligned before tightening locknut (10). Remove handles (1) and handle inserts (7).
- 9) Screw on flanges (8) and tighten securely, taking care not to damage the decorative finish.
- 10) Fit handle as follows: –
  - i) Turn both spindles to the fully closed position (Fig.2).
  - ii) Fit friction bush (9) to spindle and push fully into locknut (10)
  - iii) Fit handle insert (7) to spindle, screw on nut (6) and tighten using spanner (5).
  - iv) Ensure handle skirt (4) is screwed fully onto handle (1). Place handle assembly (1+4) over handle insert (7), position handle levers as before (Fig.2) then push handle firmly down until it bottoms internally.
  - v) Tighten grub screw (3) with allen key (2) provided.



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