

Caroma® ESSENCE - OVERHEAD & HANDSHOWER ON RAIL

WATER EFFICIENT TAPWARE

(NOMINAL FLOW RATE = 9 L/min)

PLUMBERS INSTALLATION INSTRUCTIONS

Important

- * The water supply inlet connection to this shower must be positioned at a non- standard height from the floor. The shower is not suitable for retrofitting to existing pipework where the threaded nipple (1) is positioned higher from the floor than recommended.
- * Diverter (8) is fitted with a 9.0 L/min flow regulated check valve (5). Shower head (16) is fitted with a 9.0 L/min flow regulator (17). Handshower (15) is fitted with a check valve (14).
- Note:** Warranty is void if check valve (14), flow regulated check valve (5) and flow regulator (17) are not installed as shown.
- * Not suitable for gravity feed systems.
- * All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating devices and reduce the flow of water.
- * **SHOWER RAIL (19) MUST NOT BE USED AS A GRAB RAIL.**
- * **Centre of drilled hole for attachment of shower rail bracket (20) must be vertically in alignment with the centre of the threaded nipple (1).**

Installation

- 1) Check that threaded nipple (1) is the correct length as shown. Accurately cut to length if required ensuring end face is square. Apply thread tape to the thread.

Important : Care must be taken that thread tape cannot become dislodged and block the flow regulating device, causing a reduction in water flow.
- 2) Screw spigot (2) onto threaded nipple (1) using a 10mm allen key or suitable spanner until bottomed against wall/tile face. **DO NOT OVERTIGHTEN.** Apply suitable lubricant to 'O'Rings on spigot (2).
- 3) Mark the position for the shower rail mounting base (20) at a suitable distance from the threaded nipple (1). (Fig 1.)
- 4) **SOLID WALLS:-** (Brick, masonry blocks, concrete etc)
 - i) Drill hole 8.00mm diameter, 50mm deep.
 - ii) Insert rounded end of wall plug (22) into drilled hole and tap until flush with surface.

CAVITY WALLS:- (Villaboard/tile etc)

 - i) Drill hole 8.00mm diameter.
 - ii) Insert rounded end of wall plug (22) into drilled hole and tap until flush with surface.
- 5) Fit screw (21) through the hole in mounting plug (23) and tighten.
- 6) Slide the handshower bracket (12) followed by the soap dish (10) onto shower rail (19), as shown. Ensure the flow regulated check valve (5) is installed into diverter (8) & sealing washer (7) is fitted into swivel nut (9) of shower rail (19) then screw the swivel nut (9) onto the diverter (8) by hand. **Note:** Do not tighten fully at this stage. Install the rail assembly onto wall as follows:-

| IMPORTANT | |
|---|---|
| Pressure & Temperature Requirements. | |
| • | 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. |
| Installation Requirements. | |
| • | The installing plumber is responsible for waterproofing all penetrations for Taps in Shower areas at installation by a proprietary flange system or a sealant. (Ref AS3740- 2010, Clause 3.10) |

6), Cont.

- i) Locate diverter (8) on spigot (2) then position mounting base (20) onto mounting plug (23) by sliding the mounting base along the shower rail (19).
 - ii) Ensure both the mounting base (20) & the diverter (8) are fully engaged against the wall/tile face, taking care that the 'O'Rings on the spigot (2) are not damaged during installation, then tighten screws (3) using a 2.5mm allen key (24). Push the cover (4) against the wall/tile face.
 - iii) Tighten the swivel nut (9) using a suitable spanner, taking care not to damage the decorative finish.
- 7) Ensure rubber washer (7) is in place in the hexagonal nut (6) on shower hose (11), then screw onto the thread of the diverter (8) and tighten. Ensure rubber washer (7) is installed in the conical fitting (13) of the shower hose (11). Connect the conical fitting (13) to the handshower (15) & tighten. Fit handshower (15) into shower bracket (12).
- Important:** If water does not flow from handshower (15) make sure that check valves (5 & 14) are installed with the arrows pointing in the direction of flow.
- Note :** Height of hand shower can be adjusted by loosening knob and sliding shower bracket (12) up or down on rail (19).
- 8) Ensure flow regulator (17) and seal (18) are in position in shower head (16). Carefully screw shower head (16) onto thread of shower arm (19) & tighten using a suitable spanner.
- Note:** To deliver water to shower head (16), diverter lever (8) must be turned clockwise (pointing to the right). To deliver water to the handshower (15), the diverter lever (8) must be turned anti- clockwise (pointing to the left).

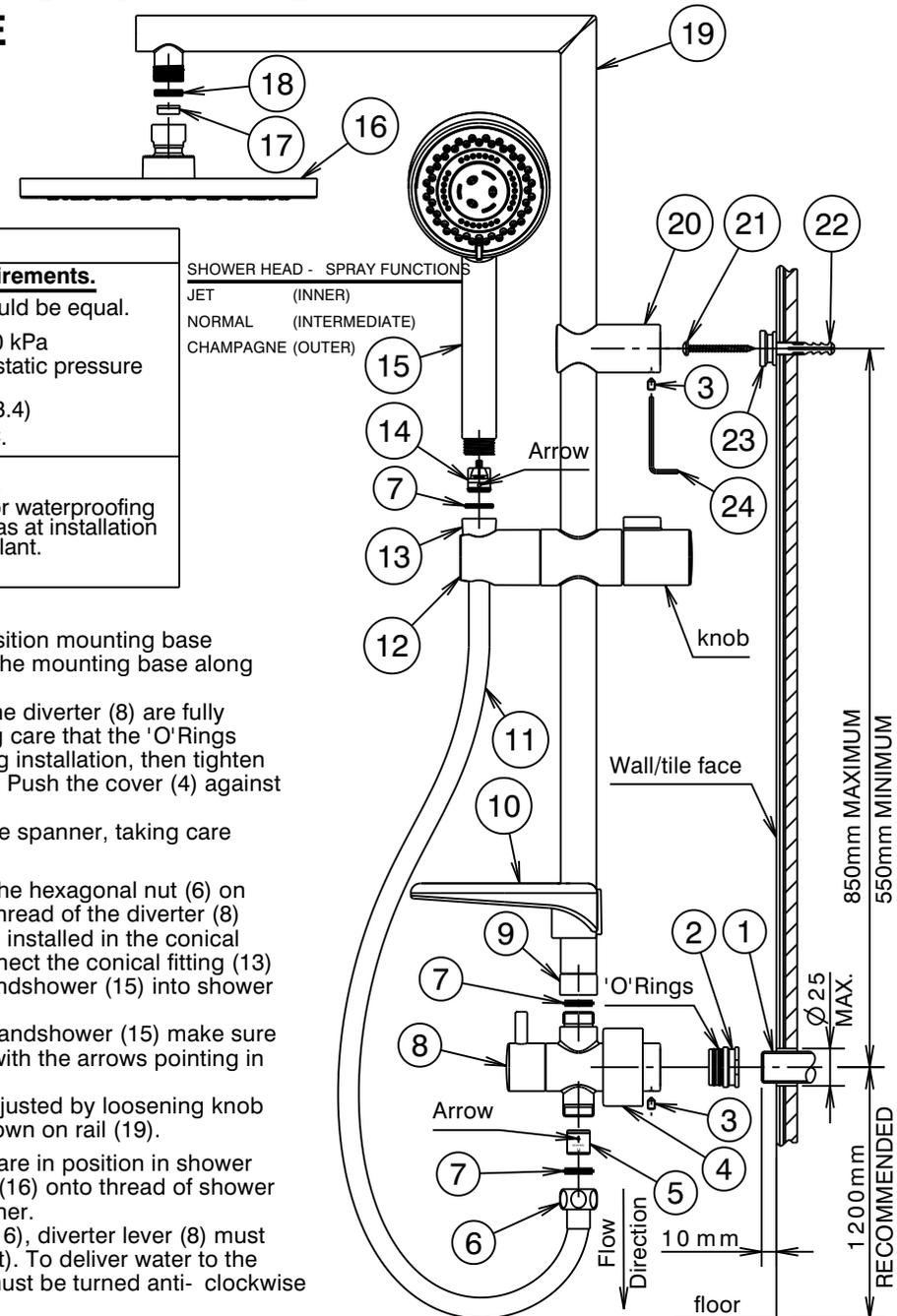


Fig. 1

IS1167B(08/12)