

Caroma® OVERHEAD & HAND SHOWER ON RAIL

WATER EFFICIENT TAPWARE

PLUMBERS INSTALLATION INSTRUCTIONS

Important

- * Shower rail adaptor (23) is fitted with a check valve (24) and a flow regulated check valve (25). Shower head (13) is fitted with a flow regulator (12).
- Note:** Warranty is void if check valve (24), flow regulated check valve (25) and flow regulator (12) 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 device and reduce the flow of water.
- * **SHOWER RAIL (21) MUST NOT BE USED AS A GRAB RAIL.**
- * **Centre of drilled hole for attachment of shower rail bracket (22) 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. To ensure correct installation length of threaded nipple must not exceed 10mm. 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) Slide brass washer (3) followed by cover plate (2) onto plain diameter of adaptor (4), as shown. Screw adaptor (4) onto threaded nipple (1) until cover plate (2) is held securely against wall/tile face and its top/bottom edge is horizontal. **DO NOT OVERTIGHTEN.** Apply suitable lubricant to 'O'Rings (5) on adaptor (4).

- 3) Mark the position for the shower rail mounting base (31) 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, 60mm deep.
- ii) Insert small end of wall plug (32) into drilled hole and tap until flush with surface.

CAVITY WALLS:-

 (Villaboard/tile etc)

- i) Drill hole 8.00mm diameter.
 - ii) Insert small end of wall plug (32) into drilled hole and tap until flush with surface.
- 5) Fit screw (30) through the hole in mounting base (31), locate wall cover plate (2) onto mounting base (31) then assemble into wall plug (32) and tighten.

- 6) Fit the handshower bracket (17) onto shower rail (21) ensuring the adjusting button is upper most. Ensure the check valve (24), flow regulated check valve (25) & 'O'ring (26) are installed into adaptor (23) of shower rail (21). Carefully slide bracket (22)

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)
- Maximum hot water temperature : 80°C.

onto rail (21) then fit rail assembly onto wall as follows:-

- i) Locate bracket (22) on mounting base (31) then position inlet fitting (6) onto spigot of adaptor (4).
- ii) Tighten screws (7) using a 2.5mm allen key (29) until inlet fitting (6) is pulled tight to the wall cover plate (2).
- iii) Push bracket (22) against mounting base (31) and tighten screws (7) using a 2.5mm allen key (29) until the shower rail assembly is secure.

- 7) Ensure rubber washer (27) is in place in the hexagonal nut on shower hose (28), then screw onto the adaptor (23) of the rail (21) and tighten. Ensure rubber washer (15) is installed in the conical fitting (16) of the shower hose (28). Connect the conical fitting (16) to the hand shower (14) & tighten. Fit hand shower (14) into shower bracket (17).

Important: If water does not flow from handshower (14) make sure that check valves (24 & 25) are installed with the arrows pointing in the direction of flow.

Note: Height of hand shower can be adjusted by pressing button and sliding shower bracket (17) up or down on rail (21).

- 8) Ensure flow regulator (12) and seal (11) are in position in shower head (13). Carefully screw shower head (13) onto thread of shower arm (10) using a 22.5mm A/F spanner & tighten. Install retainer (20) into groove of spigot (8) and fit shower arm (10) onto spigot (8) as shown. Install retainer nut (19) and tighten using a 2mm allen key (18).

Note: To deliver water to shower head (13), diverter lever (9) must be in the **vertically up** position (as shown). To deliver water to the hand shower (14), the diverter lever (9) must be in the **vertically down** position.

