



CAROMA

# HOME COLLECTION - RAIL SHOWER WITH 900mm GRAB RAIL

## WATER EFFICIENT TAPWARE

### PLUMBERS INSTALLATION INSTRUCTIONS

#### Important

- \* Not suitable for gravity feed systems.
- \* The wall elbow (4) is fitted with a single flow regulated check valve (5). Additional backflow prevention may be required if installing over a bath or other receptacle. Note: Warranty is void if check valve (5) is not installed as shown.
- \* The flow of water to the handshower is regulated. This lower flow rate may not be suitable for connection to some gravity fed Water Heaters, low pressure supply networks, Instantaneous Water Heaters, Tempering Valves, Solar Water Heaters & Thermostatic Mixing Valves. Check with the manufacturers of these products.
- \* If shower rail (14) is to be installed as a GRAB RAIL, the installation of the rail must comply with the requirements of AS 1428.1. Reference must be made to AS1428.1 with current amendments to determine installation requirements. The dimensions in this sheet may change with amendments to the standard.
- \* Grab rails must be mounted to a secure & strong surface. Responsibility will not be accepted for damage caused by incorrect installation or poor wall strength. Over time, the mounting screws which are used to install the product may be affected by exposure to water, which may cause the screws to rust and loosen. You should periodically check that your rail is fastened securely to the wall.
- \* All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water.

#### Installation

- 1) Check that threaded nipple (1) is the correct length as shown. 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) Fit seal (2) into groove in base ring (3). Screw wall elbow (4) together with base ring (3) onto threaded nipple (1) and position so that hose (7) will hang vertically down. DO NOT OVERTIGHTEN.
- 3) Install the shower rail assembly using suitable fasteners (8 & 9 or alternative).  
**Important:** If installing the shower rail as a grab rail, the following must be considered.  
*Cavity Walls:* The grab rail fixing points must be secured to the wall's solid framing structure to ensure adequate rail mounting strength. To achieve this, it may be necessary to position the rail at an angle if the rail length does not match the wall stud centres.  
*Solid Walls:* (Brick, masonry block, concrete etc.) Suitable fasteners must be purchased to ensure adequate rail fixing strength.

IMPORTANT	
<b>Pressure &amp; Temperature Requirements.</b>	
<ul style="list-style-type: none"> <li>• Hot and cold water inlet pressures should be equal.</li> <li>• Static inlet static pressure range : 150 -1000 kPa New Regulation :-500 kPa maximum operating pressure at any outlet within a building. (Ref. AS/NZS 3500.1)</li> <li>• Maximum hot water temperature : 80°C.</li> </ul>	
<b>Installation Requirements.</b>	
<ul style="list-style-type: none"> <li>• 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)</li> </ul>	

**Note:** For shower rail to be suitable for use as a grab rail, the fastenings must be able to withstand a force of 1100 N (equivalent to a load of 112 Kg) to be applied at any position and in any direction without loosening or rotation of the fastenings. Install the rail (14) as follows:-

- Slide the cover plates (10) along the rail (14) to expose the fixing plate holes, taking care not to scratch the rail surface.
- Position rail in desired location against the wall surface then mark the location of the holes in the fixing plates.
- Drill holes of the correct diameter & depth for the fasteners chosen for the application.
- Attach the rail to the wall and tighten the fasteners so that the rail is securely anchored to the wall surface.
- Carefully slide the cover plates (10) along the rail up to the fixing plates. Align the dimples on the outside of each cover plate with the raised lugs on the fixing plate then push each cover plate firmly against the wall surface & rotate to lock.

- 4) Ensure that flow regulated check valve (5) is fitted in wall elbow (4) and rubber washer (6) is in position in the conical fitting of shower hose (7), then screw the conical fitting onto wall elbow (4) and tighten. Screw remaining conical nut (12) of shower hose (7) together with rubber washer (6) onto handshower (13) and tighten. Fit handshower (13) into adjustable shower cradle (11).  
**Important:** If water does not flow from handshower (13) make sure that check valve (5) is installed with the arrow pointing in the direction of flow.  
**Note :** Height of handshower can be adjusted by loosening knob (11) by hand using lever and sliding shower cradle up or down.

