

# Caroma® TITAN - HANDSHOWER WITH ROUND HANDPIECE

## WATER EFFICIENT TAPWARE

### PLUMBERS INSTALLATION INSTRUCTIONS

#### Important

- \* Wall elbow (4) is fitted with a flow regulated check valve (6).
- Note: Warranty is void if check valve (5) & flow regulated check valve (6) are not installed as shown.
- \* Not suitable for gravity feed systems.
- \* The flow of water to the shower 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.
- \* All pipework must be thoroughly flushed prior to installation, as foreign materials may block the flow regulating device and reduce the flow of water.
- \* To prevent drill from wandering on tiled surface it is recommended that masking tape be applied prior to drilling the tiled surface.

#### 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) Ensure 'O' ring (3) is fitted to base of wall elbow (4). Place dress ring (2) over the threaded nipple (1). Screw the wall elbow (4) onto the threaded nipple ensuring it engages with the dress ring (2) before tightening. Position as required. DO NOT OVERTIGHTEN.
- 3) Position the handshower holder (13) ensuring it is at a suitable height for the user. Mark out the holes for drilling using the spigot (19) as a template.
- 4) **SOLID WALLS:-** (Brick, masonry blocks, concrete etc)
  - i) Drill holes 8.00mm diameter, 30mm deep.
  - ii) Insert tapered end of wall plugs (20) into drilled holes and tap until flush with surface.
- CAVITY WALLS:-** (Villaboard/tile etc)
  - i) Drill holes 8.00mm diameter.
  - ii) Insert tapered end of wall plugs (20) into drilled holes and tap until flush with surface.

IMPORTANT	
<u>Pressure &amp; Temperature Requirements.</u>	
•	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.

- 5) Place both screws (18) through the holes in the lugs of spigot (19) and tighten screws into installed wall plugs (20). Ensure spring (17) and caps (16) are in position inside the spigot (19) as shown, then screw cover plate (15) onto the spigot until it contacts the wall/tile face.  
**Note:** For normal operation fit 1 cap (16) in front of the spring (17) & 2 caps behind. If a firmer action is preferred when rotating the handshower holder (13), an additional cap may be fitted behind the spring as shown. Engage the swivel ball of handshower holder (13) in the bore of spigot (19) then screw on nut (14) and tighten.
- 6) Ensure that check valve (5), flow regulated check valve (6) and 'O' ring (7) are in position in the wall elbow (4). Ensure rubber washer (8) is in place in the hexagon nut of the shower hose (9), then screw onto wall elbow (4) and tighten. Ensure rubber washer (11) is in position in the conical fitting (10) of the shower hose (9). Screw the conical fitting (10) onto handshower (12) and tighten. Fit handshower into handshower holder (13).  
**Important:** If water does not flow from the handshower (12) make sure that check valves (5 & 6) are installed with the arrows pointing in the direction of flow.

