

# WAIPORI COOL TO TOUCH THERMOSTATIC BAR SHOWER WITH EASY FIX

## Installation Instructions



**Your product should be fitted in compliance with the Water Authority Regulations. If you are unsure as to what the regulations require, you can contact your Local Water Authority for further details.**

**Before commencing installation please ensure that you have :-**

1. Checked the contents of the box to ensure all parts are present and correct.
2. Read these instructions carefully to understand the installation requirement.
3. Obtained the correct tools to perform a trouble free installation.
4. Considered the surrounding environment where the installation is to take place and any potential hidden dangers.

Taking the above into consideration should result in a smoother, trouble free installation

### Product Care

To maintain a high quality finish of your product , you should avoid using any abrasive detergents. Some detergents will aggressively attack the surface over a period of time leading to irreversible damage. Instead, it is advisable to use a soft cloth with warm water . This will significantly prolong the life and looks of the product. If for some reason you need to use a detergent when cleaning , only use a low concentrated brand.

### Warranty

Methven warrants this product against manufacturing defects and that it is suitable for use under the general operating conditions specified in this instruction sheet. However, regional regulations apply and may affect your warranty. Please refer to **www.methven.com** or call customer service for full details.

**New Zealand**  
0800 804 222

**Australia**  
1300 638 483

**UK**  
0800 195 1602

## Site Installation Conditions

Prior to installing your Thermostatic bar mixing valve it is important to fully understand the site installation conditions and the location where you intend to install your product. Your product should be fitted in compliance with the Water Authority Regulations. If you are unsure as to what the regulations require, you can contact your Local Water Authority for further details.

This Thermostatic bar shower valve is designed to be used within the following systems :-

### Gravity Fed Hot and Cold

Wherever possible for the best performance of the product, it is always best practice to have equal pressures supplied to both hot and cold inlets. However this products will only work up to a maximum 5 to 1 Pressure differential.

### Unvented Systems

### Pumped Systems

### Instantaneous Water Heaters (Gas or Electric)

Please note that especially with Electric instantaneous water heaters that a stable flow of water passes through the heater and the delivered Hot water temperature to the Thermostatic mixing valve is sufficient to enable the thermostatic mixing valve to work correctly.

## Operating Requirements

Minimum operating pressure 0.5 bar \*  
Recommended working pressure 0.5 - 3 bar  
Maximum operating pressure 5 bar  
(For pressures over 5 bar , pressure reducing valves are required to be fitted)  
Maximum Static Pressure 10 bar

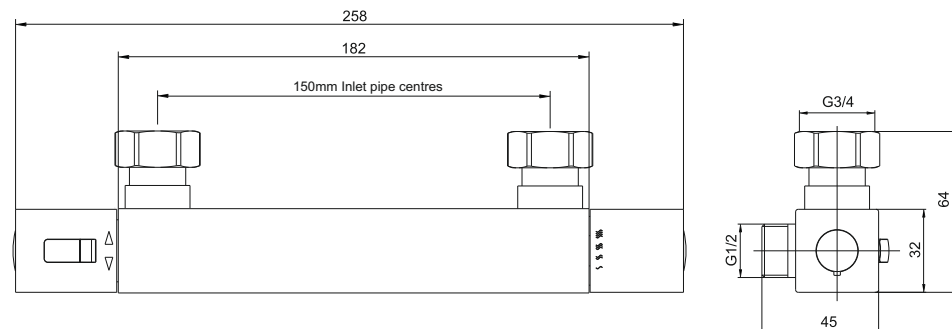
\*Note : For Gravity systems a minimum distance of 5 metres is required between the bottom of the storage tank and the showerhead. Failure to ensure this criteria has been met may cause the Thermostatic bar mixing valve to work incorrectly.

Cold water supply Temperature - Minimum 5°C to Maximum 25°C

Hot water supply Temperature - Maximum 85°C (Recommended Hot water supply temperature 60 - 65°C)

**Important Note : To ensure the Thermostatic mixing valve works correctly . The inlet hot water temperature must be a minimum 10°C above the outlet mixed water temperature of the Thermostatic mixing valve.**

## Line Drawing



## Filter Cleaning

Over a period of time the filters located in both the Hot and Cold inlet housings of the bar shower valve may become blocked with dirt and debris from your system which could result in the poor performance of your bar shower valve. Therefore these filters will periodically require cleaning. To clean the filters :-

1. Isolate both Hot and Cold water supplies.
2. Unscrew the shower hose from the bar shower outlet.
3. Unscrew the inlet swivel nuts that connect the bar shower to the easy fit wall mounts.
4. Rinse the inlets of the bar shower valve clean. The filters should be visible and clear.

Note: removal of the filters and failure to refit the filter could permanently damage the thermostatic cartridge and thus may invalidate your product guarantee.

5. Re-fit the bar shower to the easy fit wall mounts and tighten.
6. Re-connect the shower hose the bar shower outlet.
7. Turn on the hot and cold water supplies to the bar shower and check any joints around the bar shower for leaks.
8. Turn the bar shower on and off and check for correct operation.

## Guarantee

This product is covered by a 5 year guarantee from date of purchase for manufacturing faults. Please retain proof of purchase.

The guarantee does not cover faults or damages caused by bad installation and/or maintenance , ordinary wear and tear, water composition i.e. :

Incorrect installation , inversion of supply pipes.  
Pressures or temperatures exceeding above limits.  
Improper manipulation , tampering , bad or missed maintenance.  
Foreign bodies and/or scale brought by water , ice , ordinary wear , water composition.  
Use of improper cleaning or maintenance product or substance.

## Maintenance

It is strongly recommended that you perform regular maintenance of your Thermostatic bar shower to ensure continued good performance. Failure to regularly maintain the Thermostatic bar shower may lead to poor flow, fluctuations in temperature and in some cases complete failure.

To replace or clean the Ceramic disc flow control valve :-

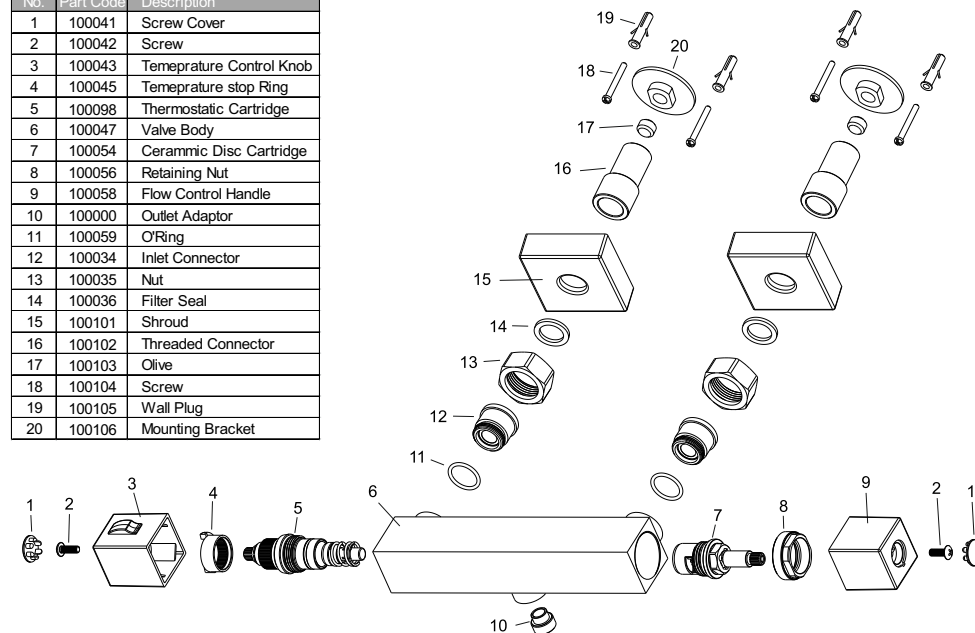
1. **Isolate both Hot and Cold water supplies.**
2. Remove screw cap.
3. Remove the screw inside the handle.
4. Pull handle from valve.
5. Using a spanner unscrew the cartridge retaining nut.
6. Unscrew the ceramic disc valve, taking care not to damage the pipe work
7. Taking care with the cartridge, soak the cartridge in a suitable de-scalant or mild detergent, taking care not to damage the cartridge seals and then gently rinse the cartridge clean.
8. Ensure there is no debris inside the bar shower body, taking care not to damage any sealing faces.
9. Refit the cartridge to the bar shower body and tighten. **Please do not over tighten the cartridge into the bar valve body as it may permanently damage the cartridge.**
10. Refit the cartridge retaining nut.
11. Ensuring the Cartridge is in the 'Off' position, refit the flow knob, screw and screw cap.
12. Turn on the hot and cold water supplies to the bar shower and check any joints around the bar shower for leaks.
13. Turn the bar shower on and off and check for correct operation.

To replace or clean the thermostatic cartridge :-

1. **Isolate both Hot and Cold water supplies.**
2. Remove screw cap.
3. Remove the screw inside the handle.
4. Pull handle from valve.
5. Taking note of it's position, remove the temperature stop ring from the thermostatic cartridge.
6. Unscrew the thermostatic cartridge, taking care not to damage the pipe work
7. Taking care with the cartridge, soak the cartridge in a suitable de-scalant or mild detergent, taking care not to damage the cartridge seals and then gently rinse the cartridge clean.
8. Ensure there is no debris inside the bar shower body, taking care not to damage any sealing faces.
9. Refit the thermostatic cartridge to the bar shower body and tighten. **Please do not over tighten the cartridge into the bar valve body as it may permanently damage the cartridge.**
10. In the position previously noted, refit the temperature stop ring to thermostatic cartridge.
11. Align the temperature knob in the maximum temperature position against the temperature stop ring correctly to give the correct maximum set temperature.
12. Refit the screw and screw cap.
13. Turn on the hot and cold water supplies to the bar shower and check any joints around the bar shower for leaks.
14. Turn the bar shower on and off and check for correct operation.
15. If re-calibration is required follow the instructions in "operation and temperature setting".

## Parts Reference Drawing

No.	Part Code	Description
1	100041	Screw Cover
2	100042	Screw
3	100043	Temperature Control Knob
4	100045	Temperature stop Ring
5	100098	Thermostatic Cartridge
6	100047	Valve Body
7	100054	Ceramic Disc Cartridge
8	100056	Retaining Nut
9	100058	Flow Control Handle
10	100000	Outlet Adaptor
11	100059	O'Ring
12	100034	Inlet Connector
13	100035	Nut
14	100036	Filter Seal
15	100101	Shroud
16	100102	Threaded Connector
17	100103	Olive
18	100104	Screw
19	100105	Wall Plug
20	100106	Mounting Bracket



## Installation

### Important points to note before commencing Installation of your Bar shower. You should have :-

- a. Checked the contents of the box and all parts are present and correct.
- b. Checked to ensure the minimum site operating conditions can be met.
- c. The correct tools to perform a trouble free installation.
- d. Considered the surrounding environment where the installation is to take place and any potential hidden dangers.
- e. Isolated both the hot and cold water supplies.

**Note :** If not already present, you may wish to consider installing isolation valves for ease of future maintenance. Isolation valves can be fitted anywhere prior to installing the easy fit connections to the water supply pipes. However, they should always be installed in a safe and convenient place for ease of future access.

### Installing the easy fit connections

1. Prepare the hot and cold supply pipes in the desired location.

**Important :** These pipes should be installed at the centres which correspond to the centres of the bar shower valve. Failure to ensure this will result in being unable to attach the bar shower to the easy fit connections.

2. Ensure that the holes for the pipes are not made too big, as this will affect drilling of the screw holes for the mounting brackets.
3. Ensure that there is approximately 22mm of pipework left exposed proud of the finished tiled wall to establish the correct installation connection.

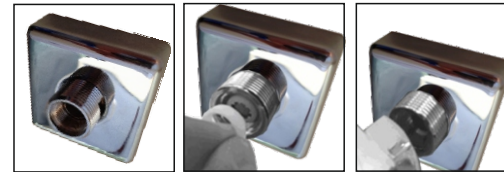
#### For the first easy fit mounting bracket installation:-



4. Place the mounting bracket over the pipework.
5. Place the olive over onto the exposed pipe.
6. Take one of the treaded connectors , Slide the connector over the pipework and loosely fit the threaded connector into the mounting bracket. This will ensure that the pipework is central to the mounting bracket.
7. Using the mounting bracket as a template. Mark the positions of the holes to be drilled.
8. Remove the threaded connector , slide the mounting bracket and olive off the pipework.
9. Drill and plug the wall in positions as previously marked. **Note : Ensure you use the correct type of wall plugs to suit you particular installation conditions.**
10. Place the mounting bracket over the pipework.
11. Place the olive over onto the exposed pipe.
12. Take one of the treaded connectors , Slide the connector over the pipework and loosely fit the threaded connector into the mounting bracket.
13. Screw the mounting bracket to the wall.
14. Using two spanners , one to be located on the mounting bracket and the other to be located on the threaded adaptor then tighten the thread adaptor to the mounting bracket. **Note: Ensure that two spanners are used to ensure that you do not tighten the assemble against the mounting bracket screws. Failure to do so may result in the mounting becoming loose.**

To fix the second mounting bracket and ensure the bar mixer is positioned squarely on the wall .

15. Take the second mounting bracket in your hand and loosely fit the thread insert. Take this loose assembly and screw this to the bar mixer. **Note : This will be used as a template to ensure that the correct centres are achieved and the bar mixer is installed squarely.**
16. Loosely screw the other bar mixer connection to the mounting bracket assembly affixed to the wall previously ensuring the second exposed pipe slides into the loosely assembled mounting bracket attached to the bar mixer.
17. Taking care not to damage the surface of the bar mixer . Use a spirit level to line up the bar mixer squarely and ensuring the mounting bracket is against the wall. Use the mounting bracket as a template to mark the positions of the holes to be drilled and plugged.
18. Remove the bar mixer assembly from the wall.
19. Unscrew the loosely assembled mounting bracket and threaded connector from the bar mixer.
20. Drill and plug the wall in positions as previously marked. **Note : Ensure you use the correct type of wall plugs to suit you particular installation conditions.**
21. Place the mounting bracket over the pipework.
22. Place the olive over onto the exposed pipe.
23. Take one of the treaded connectors , Slide the connector over the pipework and loosely fit the threaded connector into the mounting bracket.
24. Screw the mounting bracket to the wall.
25. Using two spanners , one to be located on the mounting bracket and the other to be located on the threaded adaptor then tighten the thread adaptor to the mounting bracket. **Note: Ensure that two spanners are used to ensure that you do not tighten the assemble against the mounting bracket screws. Failure to do so may result in the mounting becoming loose.**
26. Fit the square trim plates, screw this onto the threaded insert until it reaches the finished wall surface and align accordingly.



**Important :-** Please not at this stage that the pipework should be flushed of any debris. Failure to do so may result in the filters of the bar mixer becoming prematurely blocked and inturn reduce the performance of the bar mixer.

**Flow regulator note :-** At this stage, prior to fitting the bar mixer, If required, a flow regulator can be fitted inside the threaded insert, fit the regulator into the union, ensuring that it is the correct way around, followed by a regulator retaining ring (regulator and ring bought separately), the ring should be screwed into the union until secure.

27. Place the seal inside the swivel nut connections of the bar mixer.
28. Ensuring that the bar mixer is the correct way up , fit the bar mixer to the threaded inserts and tighten.

To fit the shower rail kit :-

29. Connect the shower hose to the handset and the bar shower outlet connector at the other end.
30. Fit the shower handset into the handset holder of the shower rail kit , place the shower rail kit assembly against the wall to find a suitable place to fix the shower rail kit (Note - when deciding where to fix the shower rail kit ,please ensure that the shower hose will not be stretched or subjected to any unnecessary tight bends).
31. Once a suitable place is found , mark the position of the shower rail kit brackets. Remove the shower handset and fix the shower rail kit to the wall taking care of any hidden pipes when doing so.
32. Place the handset into the handset holder of the shower rail kit.
33. Ensuring the bar shower mixer is in the off position , turn on both hot and cold water supplies and check for leaks.

#### Operation

1. To control the temperature of the shower, turn the left handle for more hot or cold water, in the direction indicated by the marking.
2. To control the flow of water turn the handle to regulate the flow of water from the shower in the direction shown on the mixer.

**Note :** The temperature control allows for a temperature stop position this can be exceeded by pressing the button and continuing to turn the handle.

#### Temperature setting

If on installation the temperature is not to your requirement, this can be re-calibrated.

1. Turn temperature handle to fully hot.
2. Remove the handle cap , followed by the screw
3. Pull handle from valve.
4. Turn the spindle on the thermostatic cartridge until the desired temperature is reached. (Always maintain the 10°C difference between supply and mixed).
5. Once the temperature is reached, replace the handle so that the stop is in the maximum position, replace screw and handle cap. Re-calibration should only be carried out when absolutely necessary.

