Warranty Information

Proof of purchase will be required.
The guarantee does not cover faults or damage caused by incorrect installation and/or maintenance, ordinary wear and tear, water composition, etc.

*Please see www.deva-uk.com for full terms and conditions of warranty

Cleaning

Your product has a high-quality finish and should be treated with care to preserve the visible surfaces. Never use abrasives or abrasive cleaning agents to clean this product clean regularly with contamination free warm water and a damp soft cloth. Do not use products containing chlorine bleach or hydrochloric acid as these can damage the product.

We have a policy of continuous improvement and reserve the right to change specifications without notice.

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INST-BTSDEF - V4 06/11/2025

Brampton Thermostatic Diverter Shower
BTSDEF
Installation & Maintenance Guide

Technical Specification

Working Pressure:

Min: 0.3 Bar
Max: 5.0 Bar

Operating Temperature:

Hot: 65ºC
Cold: 5ºC

Inlet Connections:

15mm Compression

Features:

- 38°C temperature hot stop with override facility
- Built in diverter to fixed head/3 mode handset
- Riser height can be adjusted to suit your bathroom
- Double interlocked 1.5m hose
- Includes easy fit connections
- Quality chromed brass finish

5 YEAR WARRANTY* TERMS & CONDITIONS APPLY

Deva by METHVEN

Please keep these instructions for future reference and request of replacement parts

General Safety Information

Please read all of the instructions before installation.

Methven recommends this product is installed by a competent person in compliance with all relevant regional regulations.

Remove all packaging and check the components for damage before starting installation.

This product **must** not be modified in any way as this will invalidate the guarantee.

It is the responsibility of the installer to ensure a waterproof seal is achieved, after installation all connections must be checked for leaks.
All outlets used primarily for personal hygiene shall deliver water at a safe temperature as per regional regulations.

This product is safe provided it is installed, used and maintained in accordance with these instructions and recommendations.
Do not choose a position where the thermostatic bar valve could become frozen.
Do not allow the inlet pressure or flow rates to operate outside the operating conditions
Do not connect the thermostatic bar valve to a gravity hot supply and a mains cold supply or vice versa.
Do not subject the thermostatic bar valve to a water temperature above 85°C during installation, use, maintenance or disinfection.
Do not use jointing compounds on any pipe fittings for the installation
Do not solder fittings near the unit as heat transfer along the pipework could damage the bar valve.

The layout and sizing of pipework must be such that nominally equal inlet supply pressures are achieved and the effects of other draw-offs are minimised.

The hot water pipe entry must be made to the left-hand side inlet, marked with a red dot. Suitable isolating valves (complying with Water Regulations and Bylaws) must be fitted on the hot and cold water supplies as close as practicable to the inlets of the thermostatic bar valve. These isolating valves must be accessible to provide an independent means of isolating the water supplies should maintenance or servicing be necessary.

Before connecting the thermostatic bar valve, water should be flushed through the system to remove all debris that might otherwise damage the valve.

Troubleshooting

FAULT	POSSIBLE CAUSE
Shower only runs out hot or cold after installation	1.Hot and Cold supplies have been plumbed the wrong way around; 2.Faulty Thermostat
Shower does not run hot enough	1.Check hot water supply temperature; 2.Blockage on the hot supply.
Low or no flow	1.Possible blockage in the system; 2. operating conditions are incorrect; 3.Valve shut off has been acclimated due to a pressure drop in either the cold or hot supplies.
Leaking when in the position	1.Debris in flow control cartridge; 2.Faulty flow control cartridge
Fluctuating flow	1.Dynamic inlet pressure are not transmitted; 2.Faulty thermostatic cartridge
Hot water in cold supply or vice verse	1.Check and clean non-return valves

Calibration

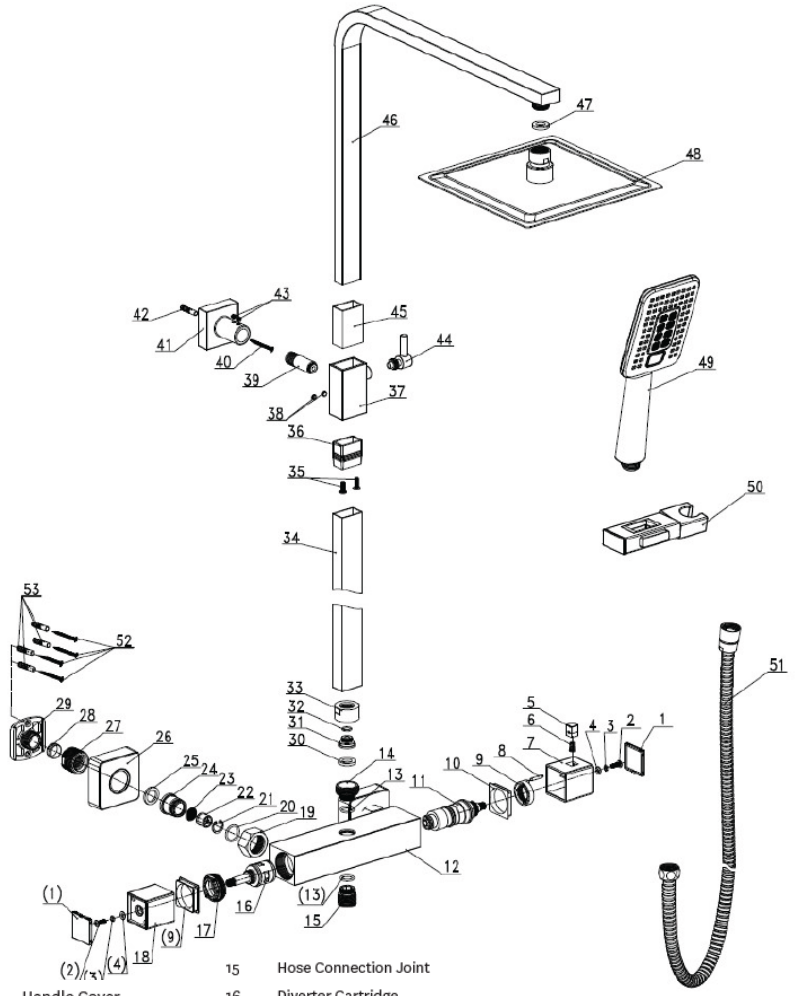
Failure to regularly maintain the Thermostatic mixing valve may lead to poor flow, fluctuations in temperature and in some cases complete failure.

The mixer has been set in the factory under balanced pressures at 38°C. Where conditions are different from the above, the temperature of the mixed water may vary from original setting. You can adjust the calibration of the mixer to suit individual requirements.

1. Turn temperature handle to fully hot.
2. Remove the handle cap and the screw and pull the handle from valve
3. Turn the spindle on the thermostatic cartridge until the desired temperature is reached. (Always maintain the 10° C difference between supply and mixed).
4. Once the temperature is reached, replace the handle so that the stop is in the maximum position, replace screw and handle cap.

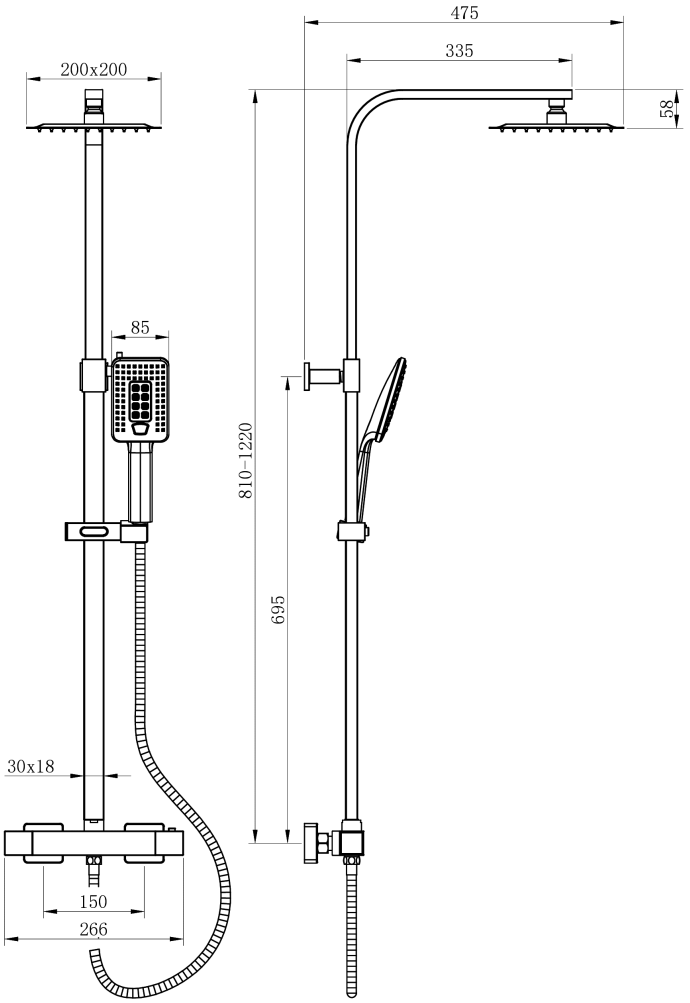
Product Breakdown

Check all components are present prior to starting installation.



1	Handle Cover	15	Hose Connection Joint	31	Water Inlet Joint	45	Connection Sleeve
2	Screw	16	Diverter Cartridge	32	O-Ring	46	Rail
3	Washer	17	Cartridge Locking Nut	33	Connection Ring	47	Washer
4	Washer	18	Handle	34	Rail	48	Shower Overhead
5	Override Button	19	Hexagonal Nut	35	Screw	49	Shower Handset
6	Spring	20	O-Ring	36	Connection Sleeve	50	Hose Retainer
7	Handle	21	Circlip	37	Connection Bracket	51	1.5m Shower Hose
8	Grub Screw	22	Check Valve	38	Grub Screw	52	Screw
9	Cartridge Locking Nut	23	Filter Washer	39	Connector	53	Wall Plug
10	Handle Plate	24	Connector	40	Screw		
11	Thermostatic Cartridge	25	Washer	41	Wall Bracket		
12	Bar Valve Body	26	Mounting Plate	42	Grub Screw		
13	O-Ring	27	Connector	43	Grub Screw		
14	Water Inlet Joint	28	Olive	44	Lever Handle		
		29	Wall Bracket Fixing Unit				
		30	Washer				

Line Drawing (mm)



Cold Water Isolation Test

The purpose of the cold-water isolation test is to ensure that the thermal performance of the thermostatic mixer valve (TMV) is adequate at the time of installation and annually thereafter.

Procedure:

- Operate the TMV and achieve a normal flowrate for the application and record the initial mixed water outlet temperature
- Isolate the cold-water supply to the valve.
- Collect the water discharged from the TMV outlet for 5 seconds.
- Continue to collect the water discharged from the TMV outlet in a second vessel for a further period of 30 seconds.
- Re-open (restore) the cold-water supply and after 30 seconds measure the mixed water temperature. Acceptance criteria Shower:

- The volume collected in the first period of 5 s shall not exceed 200 ml.
- The volume collected in the second period of 30 s shall not exceed an additional 300 ml.
- After restoration of the cold-water supply (30 s) the mixed water outlet temperature shall not differ by more than 2°C from the initial set mixed water temperature.

Notes:

If there is a residual flow during the commissioning or the annual verification (cold water supply isolation test), then this is acceptable providing the temperature of the water seeping from the valve is no more than 2°C above the designated maximum mixed water outlet temperature setting of the valve.

Temperature readings should be taken at the normal flow rate after allowing for the system to stabilise.

The sensing part of the thermometer probe must be fully submerged in the water that is to be tested.

Any TMV that has been adjusted or serviced must be re-commissioned and retested in accordance with the manufacturers' instructions

Filter Washer Cleaning

It is advised that this should be carried out by a qualified person

- Isolate both hot and cold mains supplies
- Undo the nuts on both hot and cold inlet unions and remove the filter washers.
- Wash the filter washers thoroughly under running water. Use a suitable brush to remove all debris.
- Refit into hot and cold inlets and tighten nuts
  Turn on hot and cold mains supplies and check for leaks

Commissioning

As the installed supply conditions are likely to be different from those used in factory testing it is appropriate, at commissioning, to carry out some simple checks and tests on the thermostatic bar valve to provide a performance reference point for future verification. Check that:

- The designation of the thermostatic bar valve matches the intended application.
- The supply pressures are within the thermostatic valve operating pressures.
- The supply temperatures are within the thermostatic valve operating range. If all these conditions are met, proceed to check factory setting.
- Start the water flow by rotating the flow control handle to either the handset or overhead outlet
- Make sure the hot and cold supplies are fully open - at normal temperature and pressure and are within the requirements as stated in the operating specifications.
- Make sure the temperature control is at maximum temperature setting. This product has a temperature override button, to access temperature above the normal comfortable showering temperature. Press the button and continue to turn the handle.
- Allow the shower to run at this maximum temperature setting until the water temperature has stabilised.
- A final temperature check should be made and that the mixed water temperature at the terminal fitting must never exceed 46˚C.
- When satisfied that the mixed water outlet temperature is correct, check that it is consistently repeatable by turning the mixing valve on & off, a number of times and then re-check the mixed water outlet temperature. If the mixed water outlet is stable, then proceed to undertake the cold-water isolation test.

Installation Instructions

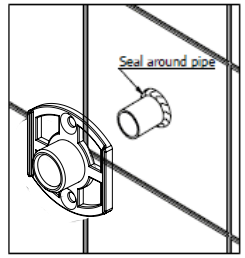
Before commencing installation, ensure that the system has been flushed to remove any debris, which could cause damage to the valves and invalidate the warranty.

- Check the contents of the box and all parts are present and correct.
- Check to ensure the minimum operating conditions can be met.
- Isolate both the hot and cold water supplies.
- Consider the total height of the assembled bar mixer and rail system when positioning the pipework in the wall. You must allow enough space for the full product to be installed.

Installation of the valve

- Connect the upper and lower poles, make sure handset holder is fitted.
- Fit the fixed head to the upper pole
- Prepare the hot and cold supply pipes at 150mm centres.
- Ensure the holes for the pipes are not made too big as this will affect drilling of the screw holes for the mounting brackets.
- Ensure that there is approximately 22mm of pipework left exposed proud of the finished tiled wall to establish the correct installation connection.
- Apply an appropriate amount of sealant between the pipe and wall lining to create a watertight seal.
- Place the mounting bracket over the pipework.
- Place the olive over onto the exposed pipe.
- Take one of the threaded 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.
- Using the mounting bracket as a template, mark the positions of the holes to be drilled.
- Remove the threaded connector, slide the mounting bracket and olive off the pipework
- Drill and plug the wall in position as previously marked, Note: Ensure you use the correct type of wall plugs to suit your particular installation conditions.
- Place the mounting bracket over the pipework.
- Place the olive over onto the exposed pipe.
- Take one of the threaded connectors. Ensure the end with the flat edges is facing towards the wall. Slide the connector over the pipework and loosely fit onto the mounting bracket.
- Screw the mounting bracket to the wall.
- Using a spanner, locate the flat edge on the threaded adapter and tighten onto the mounting bracket.

It is the responsibility of the installer to ensure a waterproof seal is achieved between the product and mounting surface.



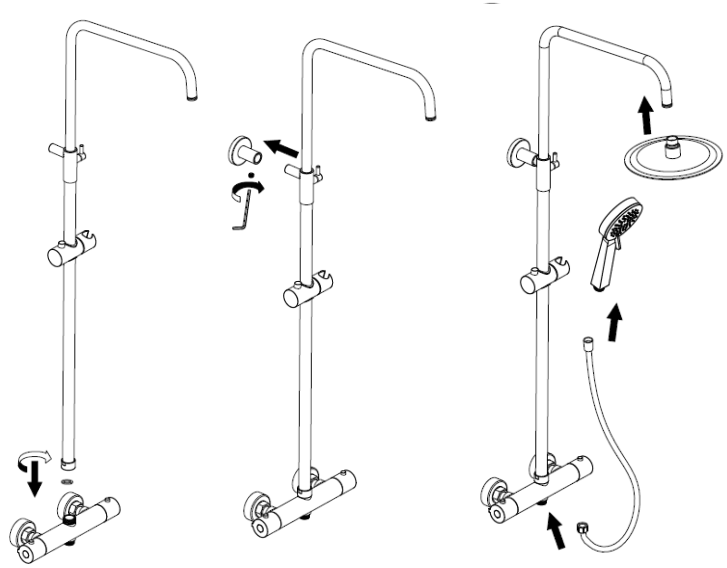
To fix the second mounting bracket and ensure the bar valve is positioned squarely on the wall

- Take the second mounting bracket in your hand and loosely fit the threaded connector. Take this loose assembly and screw this to the bar valve. Note: This will be used as a template to ensure that the correct centres are achieved and the bar mixer is installed squarely.
- Loosely screw the other bar valve 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 valve.
- Taking care not to damage the surface of the bar valve, use a spirit level to line up the bar valve squarely. 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.
- Remove the shower mixer assembly from the wall.
- Unscrew the loosely assembled mounting bracket and threaded connector from the bar mixer.
- Drill and plug the wall in positions as previously marked. Note : Ensure you use the correct type of wall plugs to suit your installation conditions.
- Place the mounting bracket back over the pipework.
- Place the olive over onto the exposed pipe.
- Take the remaining threaded connector. Ensure the end with the flat edges is facing towards the wall. Slide it over the pipe and loosely wind the threaded connector onto the mounting bracket.
- Screw the mounting bracket to the wall.
- Using a spanner, locate the flat edge on the threaded adapter and tighten onto the mounting bracket.
- To fit the trim plates, screw on to the threaded insert until it reaches the finished wall lining and align accordingly.

At this stage the pipe should be flushed of any debris. Failure to do so may result in the filter of the bar valve becoming prematurely blocked and reduce its performance.

- Ensuring seals and filters washers are correctly located in the inlet unions of the bar valve, screw the unions of the bar valve to the easy fix connectors and tighten.
- Turn on the hot and cold water supplies and check for leaks.

Installation of the rail kit



Model may differ from image shown

- Slide the wall bracket on to the rigid riser rail. Connect the rail to the valve.
- Mark the wall at the desired position for the wall bracket.
- Remove the rail from the valve. Using the wall marking as a guide, secure the locking disc to the wall with the screw provided.
- Reconnect the rail to the valve and position the wall bracket over the locking disc.
- Secure the wall bracket to the locking disc using an allen key.
- Insert the overhead section of the rail into the top of the rigid riser. Set the desired height of the arm by tightening the securing nut.
- Secure the shower head to the end of the overhead rail.
- Connect the conical end of the hose to the shower handset, ensuring the washer provided is inserted between the connection.
- Connect the other end of the hose to the base of the bar valve, again ensuring the washer provided is inserted in the connection.
- Place the handset into the handset holder of the shower rail kit. Ensuring the valve is in the off position, turn on both hot and cold water supplies and check for leaks.

  Tip: The height of the overhead drencher can be adjusted by loosening the securing nut on the rail join and sliding the overhead rail higher or lower to achieve the desired height.