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-RTSDEF V2
07/11/2025

Rydal Thermostatic Diverter Shower
RTSDEF
Installation & Maintenance Guide

Technical Specification

Working Pressure:

Min: 1.0 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.

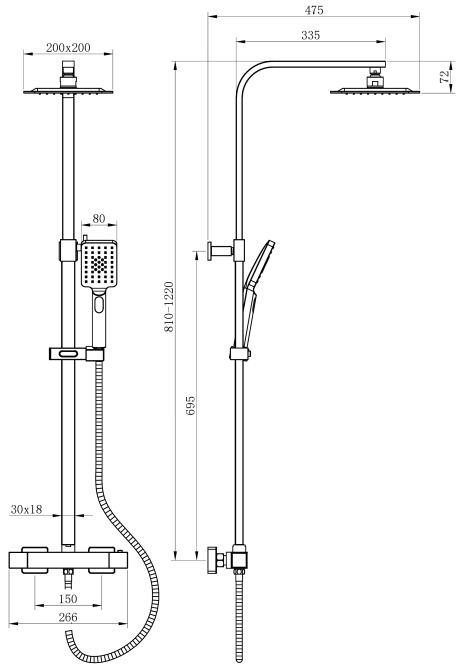
Remove all packaging and check the components for damage before starting installation.

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.

Line Drawing



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.C 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 cartilage
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

Temperature Adjustment/Commissioning

The thermostatic mixing valve is factory set to the indicated temperature. Check the product after installation to ensure that it operates at the correct outlet temperature.

1) Turn the temperature control to the mixed position (marked 38ºC on the handle).
2) Turn on the water to the bath filler and using a thermometer take a temperature reading.
3) If the temperature requires adjustment prise the cap out of the centre of the temperature control handle.
4) Remove the handle screw and pull the handle off the top of the thermostatic cartridge.
5) With the handle removed rotate the spindle, anti-clockwise to increase clockwise to decrease.
6) Once the desired temperature is achieved re-fit the handle in the mixed position, so that the handle cannot be rotated any further clockwise without depressing the override button.

Commissioning and Testing

A temperature difference of at least 10ºC should be maintained between the mixed and system hot water. After commissioning carry out a cold water failure test to ensure the valve is operating correctly.

If some adjustment is required to the temperature, this should only be carried out when necessary, by a competent person.

The valve should be tested to ensure correct operation at commissioning and thereafter at stated intervals decided by the user but never greater than a 12 Monthly period.

The testing will only require a normal thermometer with a scale greater than 65ºC.
The temperature sensitive element of the thermometer should always be fully inserted into the water flow.
Measure the mixed water temperature.
Carry out a cold fail/safe shut off test by using the isolation valve to shut off the water to the cold supply.
Wait 5 seconds, if the water is still flowing, check that the water temperature is below 46ºC. The flow of water should reduce to a trickle or stop completely. Open the cold water isolation valve and measure mixed water temperature.

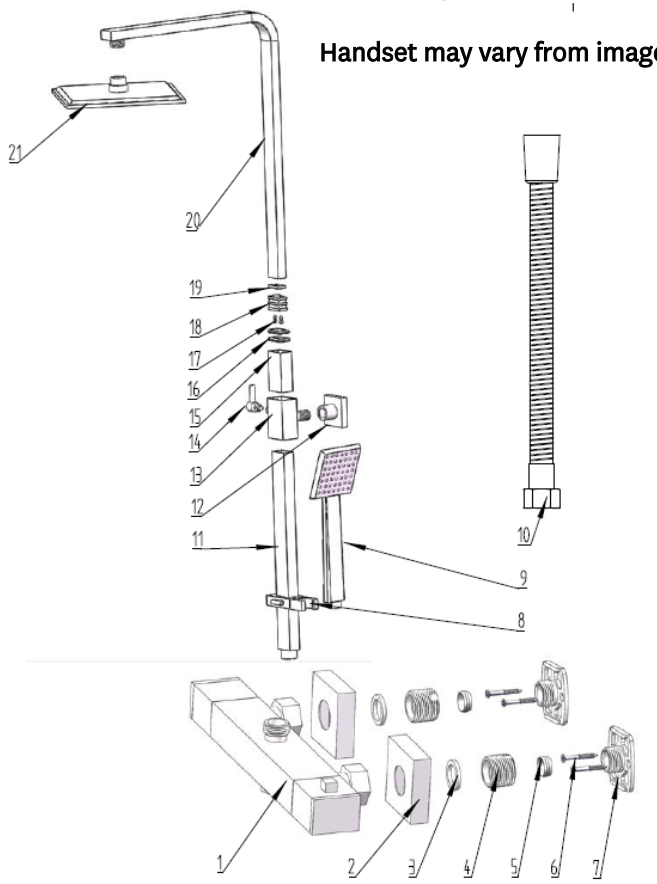
If there is no significant change from the original settings and the fail/safe shut off is functioning the valve is working correctly and no further service is re-quired.
If the outlet temperature has drifted by more than 2ºC, or if the fail/safe function does not work, a full service or re-commissioning is required.

The manufacturer of the valve recommends that in these circumstances you contact a competent person for servicing or ring Methven on 0800 195 1602 for further advice.

Product Breakdown

Check All components are present prior to starting installation.

Handset may vary from image shown



No.	Description
1	Valve
2	Shroud/Trim plate
3	Filter Washer
4	Threaded Connector
5	O Ring
6	Screw
7	Mounting Bracket
8	Handset Holder
9	Handset
10	Hose

11	Rail
12	Wall bracket
13	Connector
14	Lever
15	Rail Insert
16	Rubber stopper
17	Screw
18	Insert
19	Rubber stopper
20	Riser Rail
21	Fixed Overhead

Installation Instructions

1) Connect the upper and lower poles, make sure handset holder is fitted.
2) Fit the fixed overhead to the overhead rail
3) Mark out the position of the rail onto the wall
4) Prepare the Hot and Cold supply pipes at 150mm centers.
5) Ensure the holes for the pipes are not made too big as this will affect drilling of the screw holes for the mounting brackets.
6) Ensure that there is approximately 22mm of pipework left exposed proud of the finished tiled wall to establish the correct installation connection.
7) Apply an appropriate amount of sealant between the pipe and wall lining to create a watertight seal.
8) Place the mounting plate over the pipework
9) Place the olive over onto the exposed pipe.
10) 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.
11) Using the mounting bracket as a template, mark the positions of the holes to be drilled.
12) Remove the threaded connector, slide the mounting bracket and olive off the pipework
13) 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.
14) Place the mounting bracket over the pipework
15) Place the olive over onto the exposed pipe.
16) Take one of the threaded connectors, slide the connector over the pipework and loosely fit the threaded connector into the mounting bracket.
17) Screw the mounting bracket to the wall
18) Using a spanner, locate the flat edge on the threaded adapter and tighten onto the mounting bracket.

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

19) Take the second mounting bracket in your hand loosely fit the thread inset. Take this loose assembly and screw this to the bar valve.

This will be used as a template to ensure that the correct centres are achieved and the thermostatic bar valve is installed squarely.

20) Loosely screw the other bar valve connection to the mounting bracket assembly affixed to the wall previously ensuring the second expose pipe slides into the loosely assembled mounting bracket attached to the thermostatic bar valve.

21) 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.

22) Remove the shower mixer assembly from the wall
Unscrew the loosely assembled mounting bracket and threaded connector from the thermostatic bar valve.

23) Drill and plug the wall in positions as previously marked.

Ensure you use the correct type of wall plugs to suit your particular installation conditions.

24) Place the second mounting bracket over the pipe.

25) Place the second olive over onto the exposed pipe.

26) Take the remaining threaded connector, slide it over the pipe and loosely wind the threaded connector into the mounting bracket.

27) Screw the mounting bracket to the wall.

28) Using a spanner, locate the flat edge on the threaded adapter and tighten onto the mounting bracket.

29) 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.

30) Ensuring seals and filters 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.

31) Turn on the hot and cold water supplies and check for leaks.

32) Secure the wall bracket for the rail to the wall, following the markings previously made. Connect the rigid riser rail assembly to the valve.
Set the desired height by adjusting the securing nut on the rail.

33) Connect the conical end of the hose to the shower handset, ensuring the washer provided is inserted between the connection.

34) Connect the other end of the hose to the base of the bar valve, again ensuring the washer provided is inserted in the connection.

35) 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.