

RADA 425-T3 C THERMOSTATIC MIXING VALVE

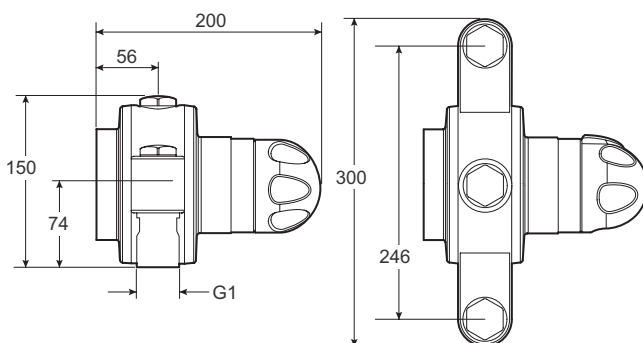
- Enhanced thermostatic performance - TMV3 approved
- Service friendly - supplied with integral isolators, check valves and strainers
- Easy to install - features adjustable elbows and 28 mm compression fittings



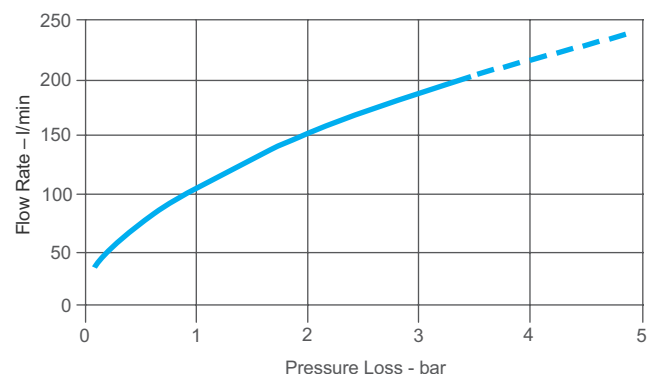
Specify as: Rada 425-t3 c (1.1523.037)

1" thermostatic mixing valve incorporating the patented Radatherm temperature sensor, check valves, filters and isolating ball valves and supplied with 28 mm compression fittings.

Dimensions (mm)



Flow Diagram



Kohler Mira Limited
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rada

TECHNICAL SPECIFICATION

Installation and Maintenance

Please refer to the appropriate Product Manual.

Connections

Inlets: 1" BSP female or 28mm compression (adapters supplied).
 Angle inlet check valve elbows rotate to accept rising, falling or rear fed supplies.
 Outlet: 1" BSP female.

Standard connections are **hot-left, cold-right, outlet-top** when facing the control.

Note! The outlet can be altered to bottom outlet if required by repositioning the drain plug.

Approvals

Buildcert TMV3 Thermostatic Mixing Valve Scheme approved:
 LP-T44 - Low Pressure Bathfill
 LP-T46 - Low Pressure Bathfill
 Certificate No: ETC/131/0501.
 Complies with the technical requirements of BS7942 for the same designations.
 Designed to comply with European Standards EN1111 and EN1287.
 WRAS approved (Water Regulations Advisory Scheme).
 Designed, manufactured and supported in accordance with accredited BS EN ISO 9001:2000 Quality Management Systems and BS EN ISO 14001:2004 Environmental Management Systems.

Operation

The temperature control knob allows the user to select the required temperature within the range available. An integral temperature stop limits the maximum temperature to a preset level and can only be reset by an authorised person (alternatively, the temperature knob can be locked in position after the desired temperature has been selected).

Flow Control

Separate flow control required.

Materials

Body: DZR brass chrome plated.

Temperature Range

Thermostatic control range: 25°C - 60°C.
 Optimum thermostatic control range: 35°C - 46°C.
 Minimum cold water temperature: 1°C.
 Maximum hot water temperature: 85°C.

Pressures/Flow Rate

Minimum dynamic supply pressure: 0.1 bar (0.2 bar healthcare).
 Maximum dynamic pressure is 3.5 bar.
 Maximum supply static pressure: 10 bar.

Maximum pressure loss ratio*: should not exceed 10:1 in favour of either supply during flow.

Maximum pressure loss: inlets to outlet is 3.5 bar, which equates to maximum 200 l/min flow rate at mid blend.

Note! Pressure loss is the pressure drop between the inlets and the outlet of the mixing valve when flow is taking place.

Minimum flow rate: 8 l/min at mid blend with nominally equal supply pressures.

Maximum flow rate: 200 l/min.

Note! Both hot and cold pressure should be nominally equal
 * *Pressure loss ratio is determined by subtracting the resistance to flow of the outlet pipework and outlet fittings (generally known as 'back pressure', and measured at the outlet of the mixing valve) from the dynamic pressures of the hot and cold water at the inlets of the mixing valve. This is at its extreme when the mixing valve is being used at its lowest flow rate and when the maximum inequality occurs in the pressure of the hot and cold water supplies.*

Weight

Product	Gross Weight (Kgs)	Total Packaged Weight (Kgs)
Rada 425-t3 dk	11.100	11.357

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