

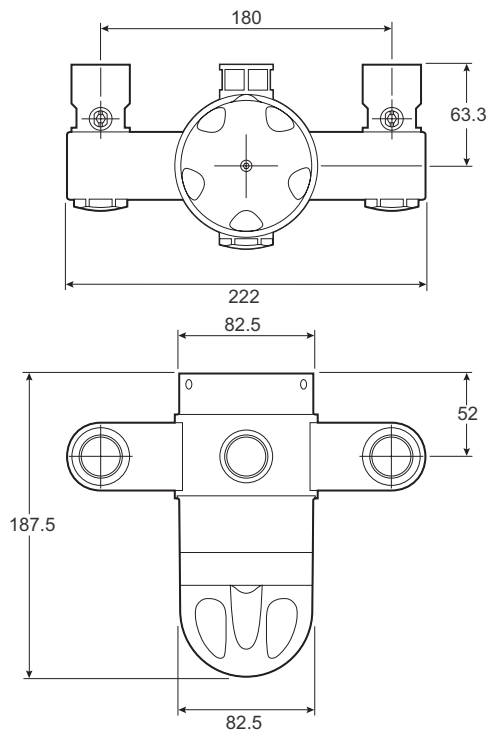
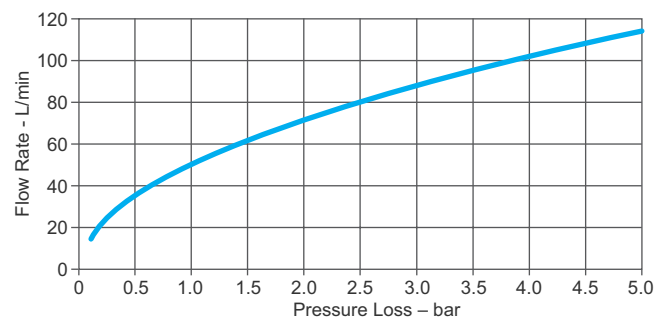
RADA 320 C THERMOSTATIC MIXING VALVE



- WRAS Approved
- Features the unique patented “Radatherm” service-free cartridge
- Unbeatable thermostatic control even at low flow rates
- Supplied complete with strainers, check valves and integral isolators
- Easy to install - features adjustable elbows and 22 mm compression fittings
- Ideal for medium to large group showering installations

**Specify as: Rada 320 c (1.0.414.01.1)**

$\frac{3}{4}$ " thermostatic mixing valve incorporating Radatherm service-free cartridge, check valves, filters and isolating ball valves and supplied with 22 mm compression fittings.

Dimensions (mm)**Flow Diagram**

Kohler Mira Limited
Cromwell Road
Cheltenham
Gloucestershire
GL52 5EP

Specification Enquiries

Tel: 0844 571 1777
Fax: 0844 472 3076
Email: rada_technical@mirashowers.com
www.radacontrols.com

TECHNICAL SPECIFICATION

Installation and Maintenance

Please refer to the appropriate Product Manual.

Connections

Inlets: 3/4" female or 22 mm compression (adaptors supplied).
 Outlet: 3/4" 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

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 9001:2008 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

Factory pre-set maximum outlet temperature: 45°C.
 Minimum temperature differential: blend to either supply is 12°C.
 Thermostatic temperature range: full cold to 70°C.
 Optimum thermostatic temperature range: 30°C - 50°C.
 Maximum hot water temperature: 85°C*.

***Note!** The thermostat can accept temporary temperature excursions above 85°C without damage, however, operation of the mixing valve at such elevated temperatures is not recommended.

For reasons of safety, hot water storage temperatures should be maintained between 60°C - 65°C where serving ablutionary applications.

Pressures/Flow Rate

Maximum supply static pressure: 10 bar.
 Maximum pressure loss ratio**: should not exceed 10:1 in favour of either supply during flow.
 Minimum dynamic pressure is 0.1 bar.
 Maximum dynamic pressure is 5.0 bar.

***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: 6 l/min at mid blend with nominally equal supply pressures.

Maximum flow rate: 2 metres/sec.

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 the '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 320 c	5.500	5.805

