

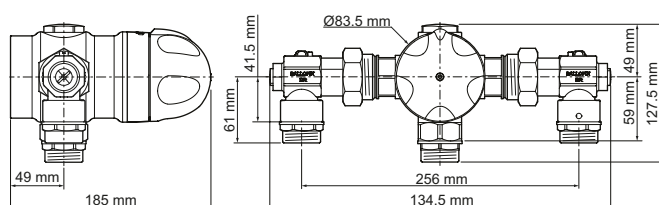
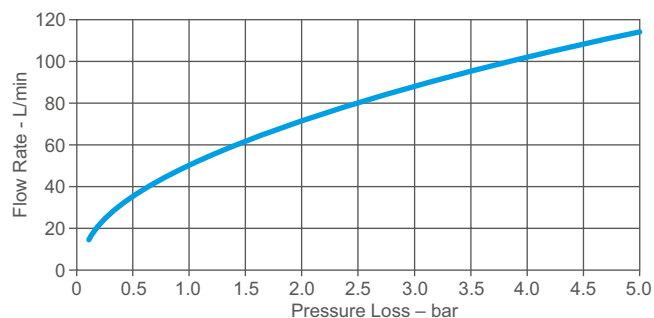
## RADA 320 IC THERMOSTATIC MIXING VALVE



- WRAS Approved
- Features the unique patented “Radatherm” service-free cartridge
- Unbeatable thermostatic control even at low flow rates
- Supplied complete with strainers, check valves, integral isolators and test point
- Easy to install - features adjustable elbows and 28 mm compression fittings
- Ideal for medium to large group showering installations

**Specify as: Rada 320 IC (1.1847.013)**

Group thermostatic mixing valve incorporating the patented Radatherm temperature sensor, isolating ball valves, check-valves, integral isolators, test points and filters plus 28mm compression fittings.

**Dimensions (mm)****Flow Diagram**

**Kohler Mira Limited**  
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**rada**

## TECHNICAL SPECIFICATION

### Operation

The Rada 320 thermostatic mixing valve, incorporating the patented "Radatherm" temperature sensor, is capable of close temperature control at diverse flow rates between 6 lit/min and 120 lit/min making it ideal for medium sized group showering installations. It's temperature control knob allows the authorised 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).

### Product Range

**320 IC** - For surface mounting. Angle inlet elbows incorporate isolating ball valves, check-valves, strainers and test point for monitoring system conditions. Inlets & outlet connections: 28mm compression.

### Connections

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

WRAS approved (UK 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.

### Flow Control

Separate flow control required.

### Materials

Body: European 4MS Scheme Compliant Brass meeting DZR and Low Lead requirements.

### Temperature Range

Optimum thermostatic control range: 30°C - 50°C.

Minimum cold water temperature: 1°C.

Maximum hot water temperature: 85°C.

### Pressures/Flow Rate

Minimum dynamic supply pressure: 0.1 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 5.6 bar, which equates to maximum 120 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: 6 l/min at mid blend with nominally equal supply pressures.

Maximum flow rate: 120 l/min (5.6 bar pressure loss).

**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 320 IC | 4.99               | 5.23                        |

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