RADA V12 130 THERMOSTATIC SHOWER VALVE

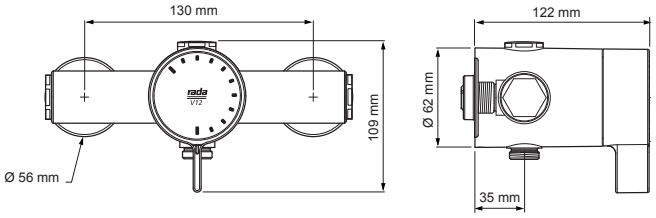
- WRAS Approved.
- Single sequential operation from off through cold to warm.
- Light touch control complemented by easy to understand graphics to address the needs of all users irrespective of age or ability.
- Robust construction to withstand heavy usage in the commercial environment.
- Optional 6 l/min flow regulator for increased water savings. A 9 l/min flow regulator is also supplied.
- Easy access to filters for servicing.
- Straight forward retrofit for installations with 130 mm inlet centres e.g. Rada Meynell V8.

Specify as: Rada V12 130 Exposed Shower Valve (1.1651.003)

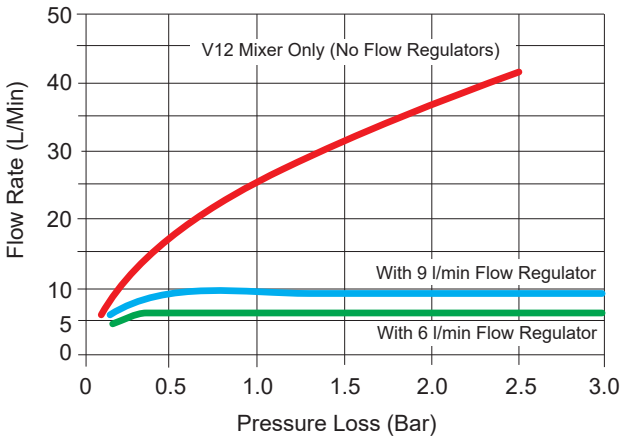
Surface mounted thermostatic shower valve certified to TMV3 performance. Sequential single lever operation from cold through to warm. Includes service-free cartridge, filters and optional flow regulators.

Dimensions

Exposed



Flow Diagram



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Rada Specification Enquiries
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TECHNICAL SPECIFICATION

The Rada V12 mixers are a robust, easy to use range of thermostatic showers incorporating a proven thermostatic cartridge.
This model is designed for straight forward retrofit on installations with 130 mm inlet centres e.g. Meynell V8.

Installation and Maintenance
Suitable for the majority of plumbing systems both low and high pressure.
Dual outlet body allows easy installation with top or bottom outlet.
Large area inlet filters are accessible from the elbow with minimum disturbance.

Connections
Standard connections are: **hot - left, cold - right, top or bottom outlet**.
Suitable for rising, falling or rear entry supplies. Reversed supplies can be accommodated by rotating the mixer 180°.
Inlets: 15 mm compression.
Outlet: 15 mm compression/½" BSP Flat Face.

Approvals
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 Rada V12 is operated via a single sequential control which when rotated initially opens the valve, then increases temperature from cold to a pre-set maximum.

Materials
Chrome Plated Polished Brass Body and Elbows; Chrome Plated Zinc Die Cast Lever.

Temperature Control
Temperature range from cold to preset maximum.
The maximum temperature that can be selected is factory set at approximately 43°C, but this can be reset on site if required (by an authorised person).
Thermostatic control ± 1°C within the range 35°C - 45°C (assuming supplies of 15°C cold, 65°C hot at nominally equal pressures).
Note! In the event of loss of either supply, the valve will automatically shut off.
Minimum temperature differential of blend to either supply 10°C.

Supply Conditions
Cold water temperature range 5°C to 25°C.
Hot water temperature range (recommended) 60°C - 65°C.
Maximum hot water temperature 85°C.
Note! For reasons of general safety, hot water storage temperatures should be maintained at between 60°C - 65°C where serving ablutionary applications. The mixing valve can accept temporary excursions above 85°C without damage, however operation at such elevated temperatures is not recommended.

Pressures
Dynamic Supply Pressure (Running):
Minimum: 0.1 Bar.
Maximum: 5 Bar.
Maximum Static: 10 Bar.
For optimum operation the inlet pressures should be nominally equal.
Maximum Pressure loss Ratio*: should not exceed 10:1 in favour of either supply during flow.
** 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.*

Flow Rates
Refer to the flow performance graph.
Minimum flow rate: 3 l/min.
Maximum flow rate: 40 l/min.
At supply pressures > 0.5 bar, we recommend fitting the 9 l/min flow regulator or for increased water saving a 6 l/min flow regulator should be fitted (supplied).

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