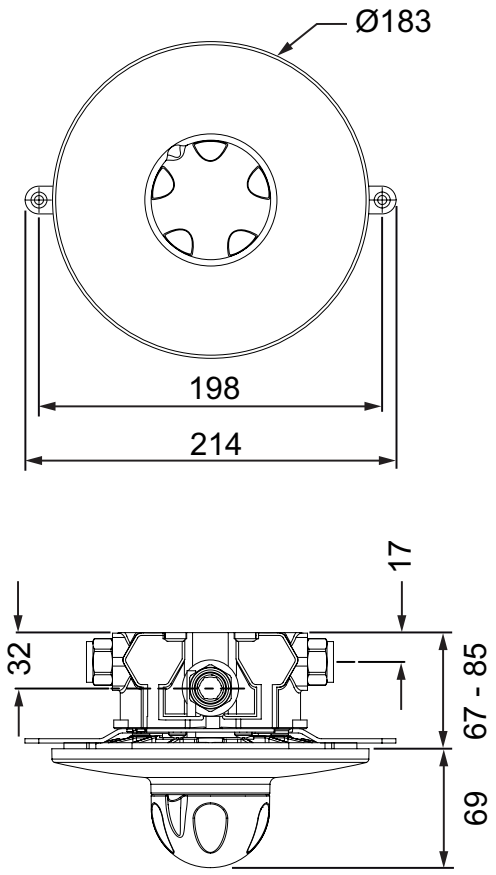
RADA 215-T3 BC THERMOSTATIC MIXING VALVE

- Buildcert TMV3 Scheme Approved
- WRAS Approved
- Features the unique “Radatherm” service-free cartridge
- Unbeatable temperature control
- Complete with check valves and strainers

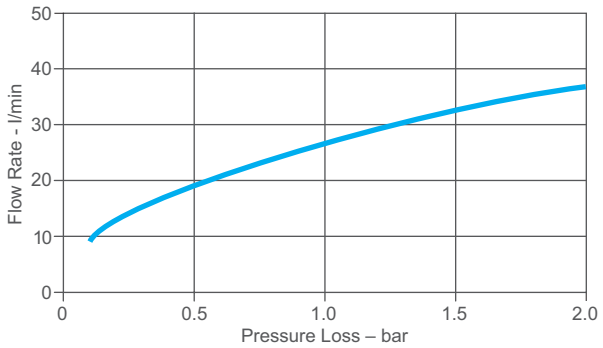
Dimensions (mm)



Specify as: Rada 215-t3 bc (1.0.440.02.1)

½” thermostatic mixing valve incorporating Radatherm service-free cartridge, check valves and strainers. Housed within swivel elbows, featuring 15 mm compression connectors, which can be converted to ½” BSP union if required.

Flow Diagram



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Specification Enquiries
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TECHNICAL SPECIFICATION

Installation and Maintenance
Please refer to the appropriate Product Manual.

Connections
Inlet and Outlet: ½" BSP external union or 15 mm compression (nut and olive **not** provided).

Standard connections are **hot** (left), **cold** (right), top outlet.

Approvals
Buildcert TMV3 Thermostatic Mixing Valve Scheme approved:
LP-S - Low Pressure Shower
HP-S - High Pressure Shower
Certificate No: ETC/14/0597.
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 9001:2008 Quality Management Systems and
BS EN ISO 14001:2004 Environmental Management Systems

Operation
Rada 215-t3 series mixing valves do not have integral flow control; appropriate provision must be made for this in the outlet pipework. This can be in the form of basin/bath tap, stopcock, mechanical timed-flow controller or solenoid. The device chosen must be non-concussive in operation.

Materials
Body: DZR brass nickel plated.

Temperature Range
Factory pre-set maximum outlet temperature: 43°C.
Minimum temperature differential, blend to either supply: 12°C.
Optimum thermostatic control range: 30 °C - 50 °C.
Minimum cold water temperature: 1°C.
Maximum hot water temperature: 85 °C.
Note! The mixing valve 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 general safety, hot water storage supply temperatures should ideally be maintained at between 60°C - 65°C where serving ablutionary applications.

Pressures/Flow Rates
Minimum dynamic supply pressure: 0.15 bar.
Maximum dynamic supply pressure: 5 bar.
Minimum flow rate:3 l/min at mid blend.
Maximum flow rate: 35 l/min at mid blend (which equates to a maximum pressure loss of 1.8 bar).
Maximum pressure loss ratio*: 10:1 (in favour of either supply).
Maximum static pressure: 10 bar.
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 215-t3 bc	2.870	3.113

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