

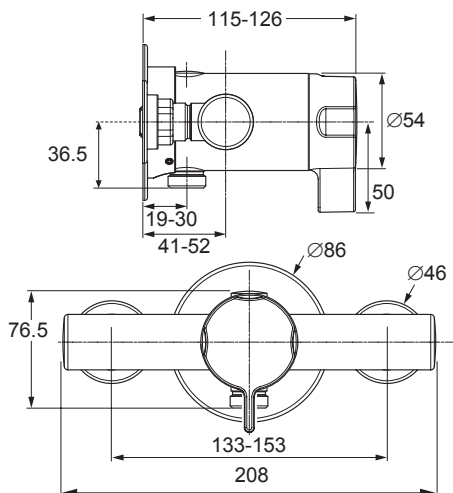
RADA V10 CONTRACT PACK



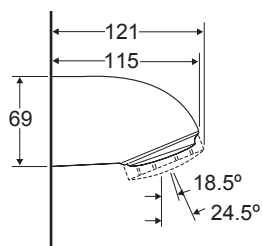
- Buildcert TMV2 Scheme Approved
- WRAS Approved
- Supplied with vandal resistant shower head and rigid riser pipe
- Adjustable inlet fixing centres for easy replacement of most existing installations
- Sequential operation from off - cold - warm
- Easy grip handle complete with durable, clear graphics
- Robust construction to withstand heavy usage in public areas
- Optional 6 l/min flow regulator for increased water saving. A 9 l/min flow regulator is also supplied

Dimensions (mm)

Surface Mounted



VR145 Shower Head and Rigid Riser Pipe



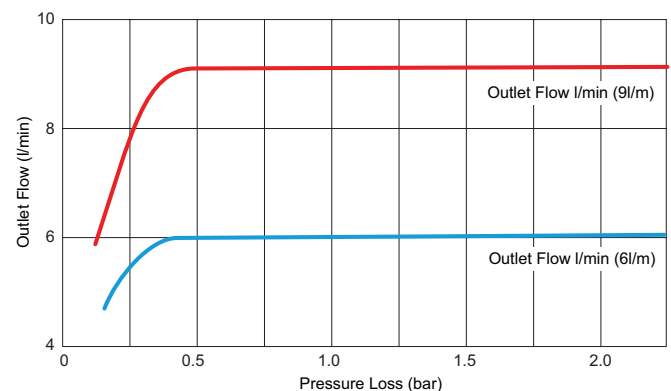
The height of assembled V10 Contract Pack is 800 mm



Specify as: Rada V10 Contract Pack (1.1651.008)

Surface mounted, single sequential thermostatic shower valve with VR145 vandal resistant shower head and rigid riser pipe. Supplied complete with adjustable elbow kit, flow regulators and integral strainers.

Flow Diagram



TECHNICAL SPECIFICATION

This contract pack includes the V10 Thermostatic mixer, VR145 vandal resistant showerhead and rigid riser pipe. It is designed for mounting on a vertical wall surface with rising, falling or rear entry pipework.

Installation and Maintenance

Please refer to the appropriate Product Manual.

This product has been designed for straightforward installation on both existing and new installations. The inlets can be adjusted between 133 - 153 mm centres to minimise disruption when replacing an existing product.

Connections

Inlets: 15 mm Compression.

Outlet: ½" BSP Flat Face / 15 mm Compression.

Standard connections are: **hot - left, cold - right, top outlet.**

Approvals

Buildcert TMV2 Thermostatic Mixing Valve Scheme approved

HP-S High Pressure Showering

LP-S Low Pressure Showering

WRAS listed (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 V10 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

Body: Chrome Plated DZR Brass.

Lever: Chrome Plated Zinc Die Casting.

Riser: Polished Stainless Steel.

Showerhead Body: Polished Chrome Plated Brass.

Spray Plate: Engineering Plastic.

Temperature Control

Temperature range from cold to preset maximum.

The maximum temperature that can be selected is factory set at approximately 41°C when despatched, but this can be reset on site if required (by an authorised person).

Thermostatic control $\pm 1^\circ\text{C}$ 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 12°C.

Temperature Range

Cold water temperature range 5°C to 20°C.

Hot water temperature range (recommended) 55°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 0.15 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.

The minimum flow rate to achieve a full spray pattern with the VR145 showerhead is 6 l/min.

At supply pressures > 0.5 bar, we recommend fitting the 9 l/min flow regulator. For increased water saving the 6 l/min flow regulator should be fitted (both supplied).

Specification Enquiries

