

RADA 222-T3 DK THERMOSTATIC MIXING VALVE



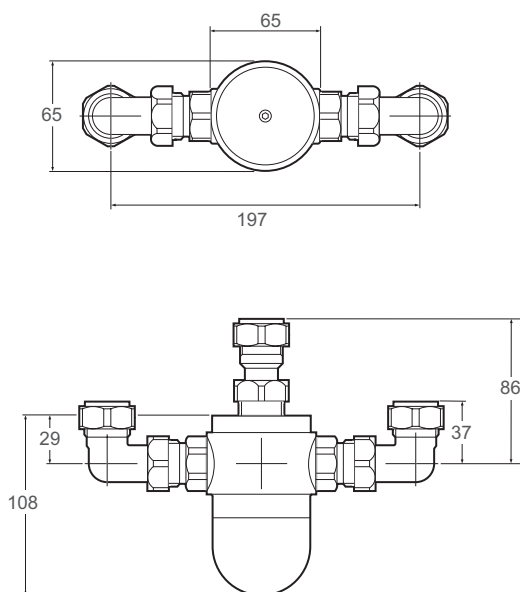
- Features the unique Patented “Radatherm” cartridge
- TMV3 Approved
- Complete with check valves and strainers
- Supplied with tamper - proof locking cap



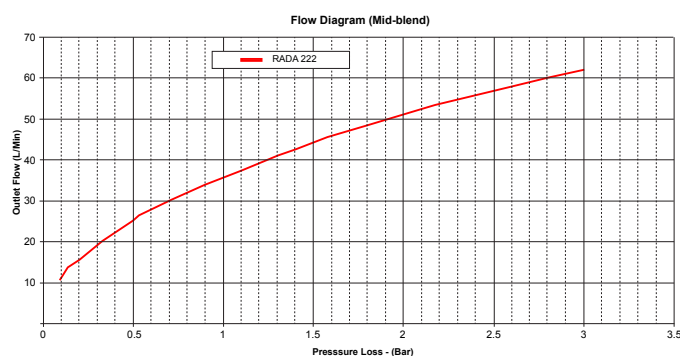
**Specify as: Rada 222-t3 dk (1.0.407.07.3)**

¾” thermostatic mixing valve incorporating Radatherm cartridge, check valves and strainers. Supplied with ¾” flat faced union connectors terminating in 22 mm compression connections.

Dimensions (mm)



Flow Diagram



**Kohler Mira Limited**  
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 Cheltenham  
 Gloucestershire  
 GL52 5EP

**Specification Enquiries**  
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TECHNICAL SPECIFICATION

**Installation and Maintenance**

Please refer to the appropriate Product Manual.

**Connections**

Inlet and Outlets: 3/4" flat-faced male union.

**Note!** 2 elbows and 1 straight union connectors are supplied, terminating in 22 mm compression connections.

Hot supply inlet indicated by red sticker, Cold supply inlet indicated by blue sticker

**Approvals**

Buildcert TMV3 Thermostatic Mixing Valve Scheme approved:

LP-T44 - Low Pressure Bathfill up to 44°C

HP-T44 - High Pressure Bathfill up to 44°C

Complies with the technical requirements of BS7942 for the same designations.

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 14001:2015 Environmental Management Systems

**Operation**

The Rada 222-t3 dk is designed to be concealed in a duct/cupboard and must be used with a separate outlet flow control such as a tap.

**Materials**

Body: DZR brass nickel plated.

Locking Shroud: White engineering plastic.

**Temperature Range**

Factory pre-set maximum outlet temperature: 43°C.

Minimum temperature differential, blend to either supply: 12°C.

Optimum thermostatic control range: 35 °C - 50 °C.

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

Maximum hot water temperature: 70 °C.

**Note!** For optimum performance reasons it is recommended that the maximum hot water temperature is limited to 65 °C.

**Caution!** During thermal disinfection the mixing valve can operate up to 85 °C for short periods. Ensure safety precautions are followed during discharge. Chemical disinfection agents eg chlorine/ chloramines combined with higher temperatures will affect the life of the product adversely and could detrimentally affect the thermostatic performance.

**Pressures/Flow Rates**

Minimum dynamic supply pressure: 0.15 bar.

Minimum flow rate:3 l/min at mid blend.

Maximum flow rate: 40 l/min at mid blend (which equates to a maximum pressure loss of 1.2 bar).

Maximum pressure loss ratio\*: 10:1 (in favour of either supply).

Maximum dynamic supply pressure: 5 bar.

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 222-t3 dk	1.900	2.044

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