

HEATSTAT T2

THERMOSTATIC MIXING VALVE

DESCRIPTION

A DN 20 Thermostatic Mixing Valve (TMV) conforming to BS EN 1111 (supply pressures 1-5 bar) and BS EN 1287 (supply pressures 0.1 - 1 bar) to control the temperature of hot water supplied to baths, wash basins, showers and bidets at safe and comfortable levels. Includes adjustable temperature setting and snap on tamper resistant plastic cover and integral check valves at hot and cold water inlets.

INSTALLATION KIT

Supplied as a separate product (Product Code IK-21B), the installation kit comprises angle pattern inlet connections with integral large bore isolating ball valves and strainers. The strainer baskets are easily removed for cleaning without disturbing any pipe connections.

FEATURES AND BENEFITS

- High Capacity DN 20 Thermostatic Mixing Valve with low pressure drop
- TMV2 Scheme approved for all designations†
- Factory set at 46°C for safety and convenience
- Extremely stable mixed water temperature under varying supply temperatures and pressures
- Rapidly cuts off hot water flow in the event of a cold water supply failure
- The Heatstat valve can be installed in any orientation



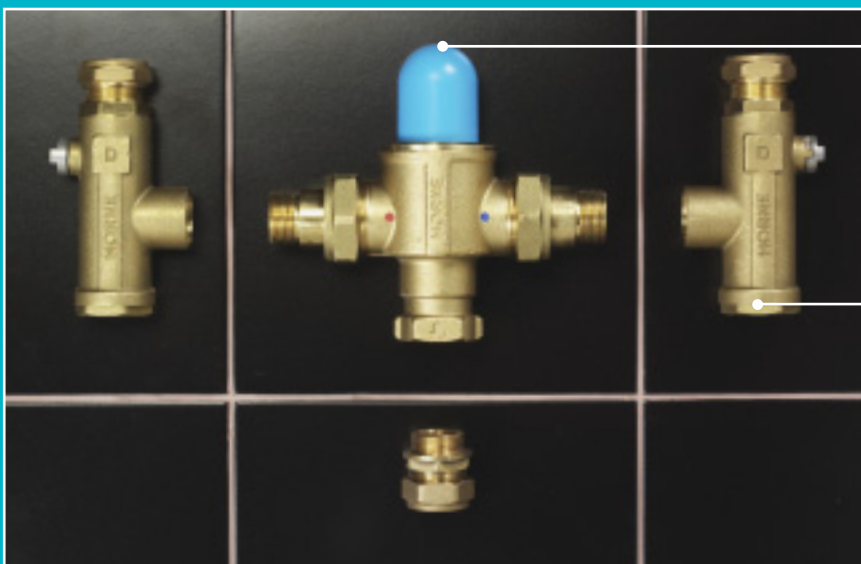
Certificate No. FM 1224



Approval Certificate No. BC 071/0204



WRAS Approval Certificate No. 0312021



• Heatstat T2 thermostatic mixing valve including integral check valves with $\frac{3}{4}$ " BSP male hot and cold inlet connections and $\frac{3}{4}$ " BSP female outlet connection.

TO ORDER USE PRODUCT CODE

T20-10B

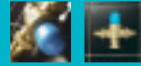
• Installation Kit for connecting Heatstat T2 to 22mm copper pipe by compression fittings (includes 2 large bore quarter turn isolating ball valves with integral stainless steel fine mesh strainers plus outlet coupling)

TO ORDER USE PRODUCT CODE

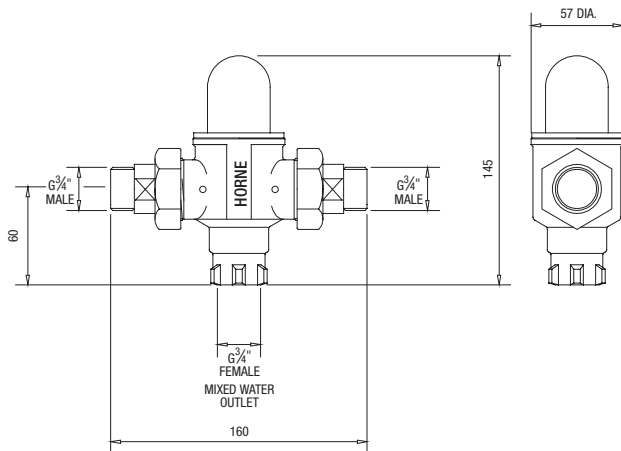
IK-21B

*The Heatstat T2 is a Type 2 approved TMV and, therefore, should NOT be installed in healthcare applications in the UK, where a Type 3 Thermostatic Mixing Valve must be used. For further information about Type 3 TMVs, please contact us at the address overleaf.

† Meets the bath flow rate at 0.2 bar



DIMENSIONS

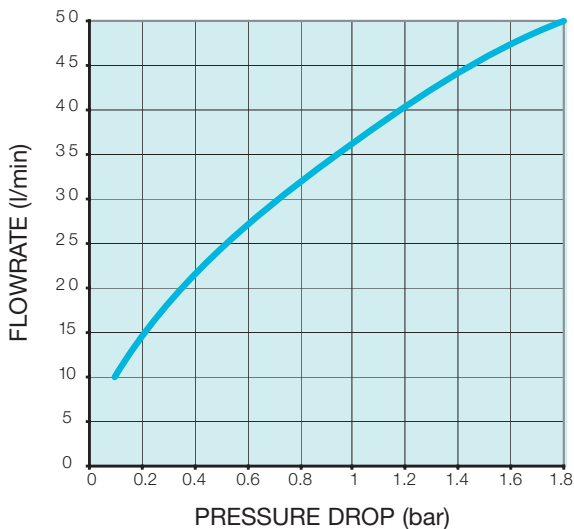


The Heatstat T2 TMV with integral check valves and $\frac{3}{4}$ " BSP connections.

PRODUCT CODE

T20-10B

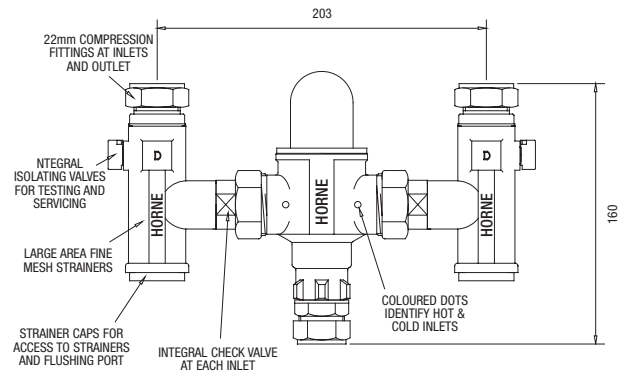
CAPACITY CHART



MATERIALS OF CONSTRUCTION

Body: DZR Brass (BS EN 12164 CW 602N)
 Slide Valve: Engineering Acetal
 Springs: Stainless steel
 Seal Components: Nitrile, EPDM
 All materials are WRAS approved

When installing the Heatstat T2 T20-10B, it is always advisable to install fine mesh strainers of suitable capacity at hot and cold water connections such as those provided in the installation kit IK-21B, which is compatible with the Horne flushing adaptor to allow flushing of the supply pipework during commissioning.



The Heatstat T2 thermostatic mixing valve with the installation kit fitted. N.B. This constitutes two separate products.

PRODUCT CODE

T20-10B and **IK-21B**

OPERATING CONDITIONS

Temperature setting at factory	46°C
Range of temperature adjustment	35°C - 50°C
Range of hot water supply temperatures	55°C - 85°C
Range of cold water supply temperatures	≤ 25°C
Maximum static pressure	10 bar
Minimum differential between hot and cold water supply temperatures and mixed water temperature	5°C
Range of maintained water supply pressures*	0.2 - 5 bar
Maximum flow rate	50 litres per minute

*Supply pressures do not need to be equal.

HORNE ENGINEERING Ltd
 PO Box 7, Rankine Street
 Johnstone, Scotland PA5 8BD
 tel +44 (0) 1505 321455
 fax +44 (0) 1505 336287
 email sales@horne.co.uk
 web www.horne.co.uk