

Fig. 78  
Thermostatic Mixing Valve



**FEATURES & BENEFITS**

- Blends hot and cold water to ensure constant, controlled safe outlet temperature
- Fulfills the ‘duty of care’ requirements against scalding
- Ideal for healthcare, schools, workplace and domestic environments
- Flat face union ensures easy removal for maintenance
- Integral strainers and check valves
- Tamper proof adjustment
- Includes ball valves for isolation
- WRAS Approved maximum operating temperature 85°C



**MATERIAL SPECIFICATION**

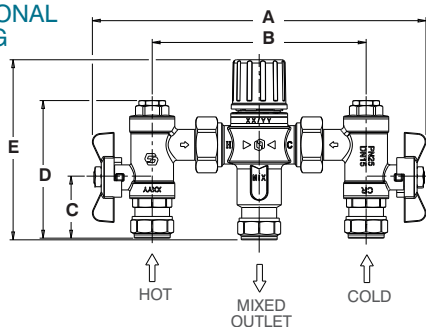
Component	Material	Specification	
		ASTM	BS EN
Body	Chrome Plated DZR Brass	CW602N	
Bonnet	Chrome Plated DZR Brass	CW602N	
Check Valve	Body - POM O-ring - EPDM Spring - Stainless Steel	-	AISI304 BS EN 10088-3 Grade 1.4301
Cap	ABS	-	
Element	-	-	
Strainer	Stainless Steel	AISI304	BS EN 10088-3 Grade 1.4301
Water Flow Directors	PSU	-	
Spring	Stainless Steel	AISI304	BS EN 10088-3 Grade 1.4301
O-Ring	EPDM	-	
Ball	Chrome Plated Brass	CW607N	
T-Handle	Al Alloy	-	
Ball Seat	PTFE	-	
Compression Olive	Brass	CW507L	

**LIMITS OF USE**

Hattersley Fig. 78 valves have been approved for use on the following designated systems:

High Pressure (HP)	Low Pressure (HP)	Application	Max. Mixed Temperature
HP-B	LP-B	Bidet	38°C
HP-S	LP-S	Shower	41°C
HP-W	LP-W	Wash Basin	41°C
HP-T (TMV2)	-	Bath	44°C
HP-T44 (TMV3)	-	Bath	44°C

**DIMENSIONAL DRAWING**



**DIMENSIONS & WEIGHTS**

Nom Size	mm	15	22
A	mm	200	200
B	mm	128	129
C	mm	36	38
D	mm	82	86
E	mm	108	110
Weight	kg	0.82	1.01

**FACTORY SETTING**

41°C

**TEMPERATURE SETTING RANGE**

30-50°C

**MINIMUM HOT TO MIX TEMPERATURE**

12°C

**COLD WATER SUPPLY TEMPERATURE:**

5-25°C

**HOLD WATER SUPPLY TEMPERATURE:**

55-65°C

**TEMPERATURE STABILITY**

±2°C

**MAXIMUM WORKING PRESSURE**

10 bar

**SPECIFICATION**

Pressure Rating: PN10.  
Operator: Lockshield.  
Supply Pressure Imbalance Dynamic: 2:1  
Figure 78 Thermostatic Mixing Valve is certified under the NSF TMV2 & TMV3 schemes and is a WRAS approved product listed in the WRAS Approvals Directory.

Every effort has been made to ensure that the information contained in this publication is accurate at the time of publishing. Hattersley Ltd assumes no responsibility or liability for typographical errors or omissions or for any misinterpretation of the information within the publication and reserves the right to change without notice.

1/60222