

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

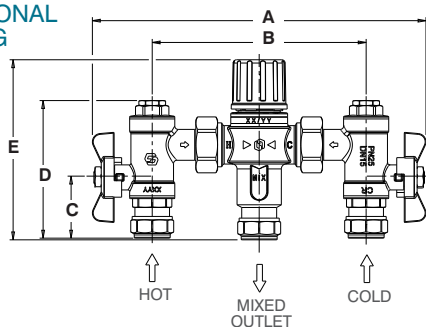
Component	Material	Specification	
		ASTM	BS EN
Body	Chrome Plated Brass	CW602N	
Bonnet	Chrome Plated Brass	CW602N	
Check Valve	Body - POM	-	
	O-ring - EPDM	-	
	Spring - Stainless Steel	AISI304	BS EN 10088-3 Grade 1.4301
Cap	ABS	-	
Element	-	-	
Strainer	Stainless Steel	AISI304	BS EN 10088-3 Grade 1.4301
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 (LP)	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.