

# THERMOSTATIC MIXING VALVES

PUBLIC HEALTH

## D1089

TMV



D1089

PN10



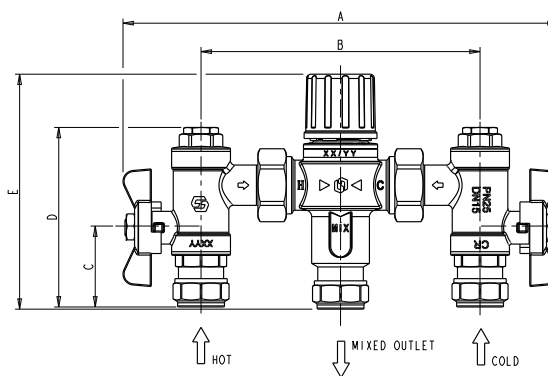
### Features & Benefits

- A self-acting Thermostatic Mixing Valves designed to blend hot and cold water, to ensure a 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

### Materials

PART	MATERIAL	SPECIFICATION
Body	Chrome Plated DZR Brass	CW602N
Bonnet	Chrome Plated DZR Brass	CW602N
Check Valve	Body - POM	-
	O-ring - EPDM	-
	Spring - Stainless Steel	AISI304
Cap	ABS	-
Element	-	-
Strainer	Stainless Steel	AISI304
Water Flow Directors	PSU	-
Spring	Stainless Steel	AISI304
O-Ring	EPDM	-
Ball	Chrome Plated Brass	CW607N
T-Handle	Al Alloy	-
Ball Seat	PTFE	-
Compression Olive	Brass	CW507L

### Dimensional Drawing



### Dimensions & Weights

SIZE (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	WEIGHT (kg)
15	200	128	36	82	108	0.82
22	200	129	38	86	110	1.01

### Limits of Use

Crane D1089 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

**PRESSURE RATING:** PN10

**OPERATOR:** Lockshield

**SPECIFICATION:** The D1089 Thermostatic Mixing Valve is certified under the NSF TMV2 & TMV3 schemes and is a WRAS approved product listed in the WRAS Approvals Directory.

**FACTORY SETTING:** 41°C

**TEMPERATURE SETTING RANGE:** 30-50°C

**MINIMUM HOT TO MIX TEMPERATURE:** 12°C

**COLD WATER SUPPLY TEMPERATURE:** 5-25°C

**HOT WATER SUPPLY TEMPERATURE:** 55-65°C

**TEMPERATURE STABILITY:** ±2°C

**MAXIMUM WORKING PRESSURE:** 10 bar

**SUPPLY PRESSURE IMBALANCE DYNAMIC:** 2:1

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