

Fig. 77
Thermostatic Mixing Valve



FEATURES & BENEFITS

- Blends hot and cold water to ensure constant, controlled safe outlet temperature
- Fulfils 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
- WRAS Approved maximum operating temperature 85°C



MATERIAL SPECIFICATION

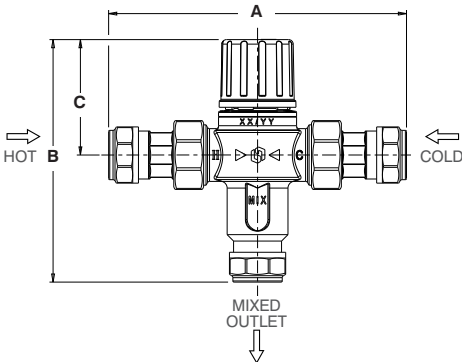
| Component | Material | Specification ASTM BS EN |
|----------------------|---|--|
| Body | Chrome Plated Brass | CW602N |
| Bonnet | Chrome Plated Brass | CW602N |
| Check Valve | Body - POM O-ring - EPDM Spring - Stainless Steel | - AISI304 BS EN 10088-3 Grade1.4301 |
| Cap | ABS | - |
| Element | - | - |
| Water Flow Directors | PSU | - |
| Spring | Stainless Steel | AISI304 BS EN 10088-3 Grade 1.4301 |
| O-Ring | EPDM | - |
| Strainer | Stainless Steel | AISI304 BS EN 10088-3 Grade 1.4301 |
| Compression Olive | Brass | CW507L |

LIMITS OF USE

Hattersley Fig. 77 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 | 131 | 155 |
| B | mm | 108 | 110 |
| C | mm | 51 | 51 |
| Weight | kg | 0.49 | 0.68 |

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

SPECIFICATION

Pressure Rating: PN10.
Operator: Lockshield.
Supply Pressure Imbalance Dynamic: 2:1
Figure 77 Thermostatic Mixing Valve is certified under the NSF TMV2 & TMV3 schemes and is a WRAS approved product listed in the WRAS Approvals Directory.

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