

309

temperature - pressure
relief valve



WRAS
APPROVED
PRODUCT



altecnic

309 temperature - pressure relief valves



Application

The Altecnic 309 temperature - pressure relief valves are used to control and limit the temperature and pressure of hot water contained in a domestic storage cylinder, preventing the water from reaching 100°C.

When the set conditions are reached, the valve discharges a sufficient amount of water to allow the temperature or pressure to return within the system's operating limits.

The valves have been designed for use on unvented hot water systems.

Construction Details

| Component | Material | Grade |
|--------------|---------------|--------------------|
| Body | DZR | BS EN 12165 CW602N |
| Stem | Brass | BS EN 12164 CW614N |
| Diaphragm | EPDM | |
| Spring | Steel | BS EN 10270-1 SH |
| Control Knob | PA6GF Polymer | |

| Product Code | Size | Set Pressure bar | Set Temperature °C |
|--------------|------|------------------|--------------------|
| 309440 CST | 1/2" | 4 | 90 |
| 309470 CST | 1/2" | 7 | 90 |
| 309400 CST | 1/2" | 10 | 90 |
| 309500 CST | 3/4" | 10 | 90 |
| 309570 CST | 3/4" | 7 | 90 |
| 309473 CST | 1/2" | 7 | 90 |

CE Mark

The 309 range of temperature - pressure relief valves meet the requirements of the European Directive 97/23/CE for pressurised equipment often referred to as PED.

They are therefore classified in Category IV and granted the CE Mark.

The 309 range are certified by Buildcert as complying with the requirements of BS EN 1490: 2000.

E & O.E

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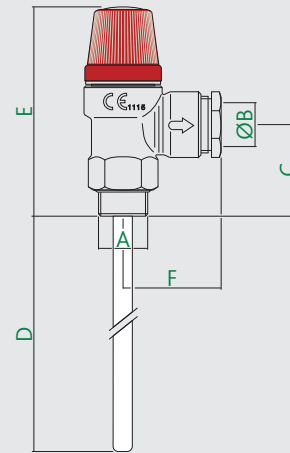
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Dimensions



| Prod Code | A | B | C | D | E | F | kg |
|------------|-------|----|----|-----|----|----|------|
| 3094.. CST | G1/2B | 15 | 40 | 102 | 88 | 39 | 0.26 |
| 3095.. CST | G3/4B | 22 | 43 | 99 | 91 | 39 | 0.31 |

Technical Data

| | |
|--------------------------|--------------------------|
| Medium: | water |
| Max pressure: | 10 bar |
| Discharge rating: | 1/2" 10 kW 3/4" 25 kW |
| Set temperature: | 90°C |
| Set pressures available: | 4, 7 & 10 bar |
| PED category: | IV |
| WRAS approved product | |

Typical Applications

