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## 253 solar safety relief valve







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#### Application

The Altecnic series 253 safety relief valves are used to control pressure in the primary circuits of solar heating systems.

The valve is selected for the required set pressure. As the pressure rises, when the discharge pressure is reached the valve opens and discharges to atmosphere, preventing the pressure within the system reaching levels which might damage the solar collectors and other equipment installed in the system.

# Prod Code A B C D E kg 25304 G<sup>1</sup>/2 G<sup>3</sup>/4 24 70 34 0.22

#### Typical Solar Application

Dimensions

#### **Construction Details**

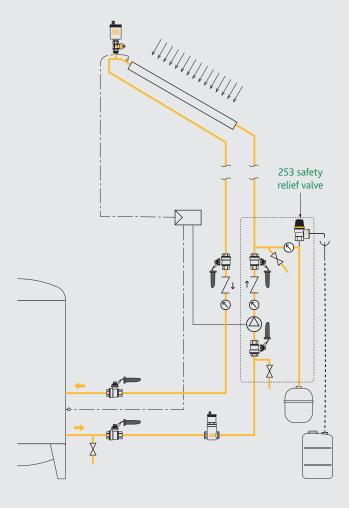
| Component<br>Body<br>Stem<br>Diaphragm | Material<br>Brass - chrome plated<br>Brass<br>Elastomer<br>Stainless steel | Grade<br>BS EN 12165 CW617N<br>BS EN 12164 CW614N<br>High temperature |
|--|--|---|
| Spring<br>Control Knob                 | PA6-GF30 polymer   |   |
| Product Code                           | Set Pressure<br>bar  |   |
| 253042                                 | 2.5  |   |
| 253043                                 | 3  |   |
| 253044                                 | 4  |   |
| 253046                                 | 6  |   |
| 253048                                 | 8  |   |
| 253040                                 | 10   |   |
| Technical Data                         |  |   |
| Medium:                                |  | water, glycol solutions   |
| Max. percentage of glycol              |  | 50%   |
| Temperature range:                     |  | -30 to 160°C  |
| Set pressure range:                    |  | 2.5 to 10 bar   |
| Max. static pressure:                  |  | 10 bar  |
| PED category:                          |  | IV  |
| CE Mark                                |  |   |

Series 253 solar safety relief valves meet the requirements of the European Directive 97/23/CE for pressurised equipment often referred to PED.

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

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