

253 solar

safety relief valve



CE

altecnic
CALEFFI group

253 solar safety relief valve



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.

Construction Details

Component	Material	Grade
Body	Brass - chrome plated	BS EN 12165 CW617N
Stem	Brass	BS EN 12164 CW614N
Diaphragm	Elastomer	High temperature
Spring	Stainless steel	
Control Knob	PA6-GF30 polymer	

Product Code	Set Pressure bar
253042	2.5
253043	3
253044	4
253046	6
253048	8
253040	10

Technical Data

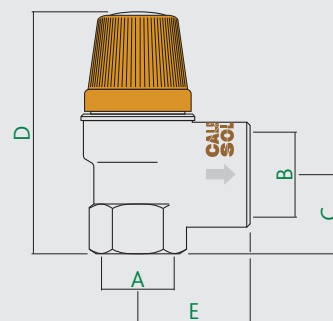
Medium:	water, glycol solutions
Max. percentage of glycol	50%
Temperature range:	-30 to 160°C
Set pressure range:	2.5 to 10 bar
Max. static pressure:	10 bar
PED category:	IV

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.

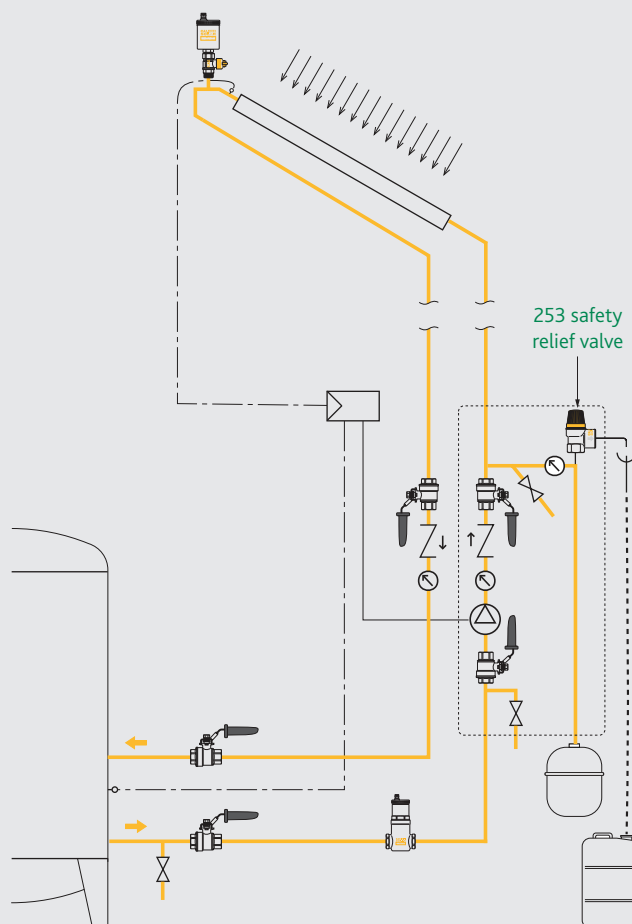
They are therefore classified in Category IV and granted the CE Mark.

Dimensions



Prod Code	A	B	C	D	E	kg
25304	G½	G¾	24	70	34	0.22

Typical Solar Application



Altecnic Ltd Francesco House, Staples Close, Stafford ST16 1WQ

T: +44 (0)1785 218200 E: sales@altecnic.co.uk

Registered in England No: 02095101

altecnic.co.uk

AL 114 24-05-2025

E & O.E

© Altecnic Limited. 2025

ALTECNIC™

altecnic
CALEFFI group