

# 309 solar

temperature and pressure  
relief valve



altecnic

# 309 solar temperature and pressure relief valve



## Application

Altecnic series 309 temperature and pressure relief valves are used to control and limit the temperature and pressure of the hot water stored in domestic cylinders in solar heating systems. They prevent the temperature of the water reaching 100°C and the formation of steam.

On reaching the set temperature or pressure the valve discharges a sufficient amount of water enabling the temperature and pressure to return to within the system's operating limits.

The 309 series of valves are certified confirming compliance with the performance requirements of BS EN 1490 for settings between 7 to 10 bar.

## Construction Details

Component	Material	Grade
Body	DZR - chrome plated	BS EN 12165 CW602N
Stem	Brass	BS EN 12164 CW614N
Obturator	Elastomer	EPDM
Diaphragm	Elastomer	EPDM
Spring	Stainless steel	
Control Knob	PA6-GF30 polymer	

Product Code	Connections	Set Pressure bar	Discharge Rating kW
309461	½" x Ø15	6	10
309471	½" x Ø15	7	10
309401	½" x Ø15	10	10
309561	¾" x Ø22	6	25
309571	¾" x Ø22	7	25
309501	¾" x Ø22	10	25

## Technical Data

Nominal Pressure:	10 bar
Set temperature:	90°C
Medium:	water
PED category:	IV

## CE Mark

Series 309 solar temperature and pressure 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.

## E & O.E

Altecnic Ltd Mustang Drive, Stafford, Staffordshire ST16 1GW

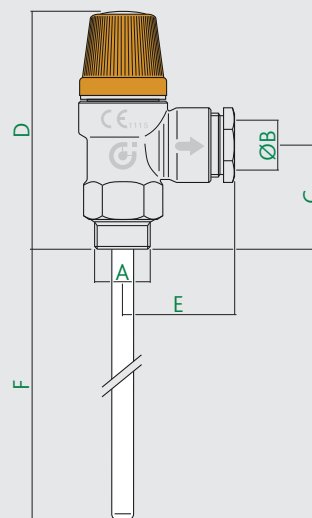
T: +44 (0)1785 218200 E: [sales@altecnic.co.uk](mailto:sales@altecnic.co.uk)

Registered in England No: 2095101

[altecnic.co.uk](http://altecnic.co.uk)

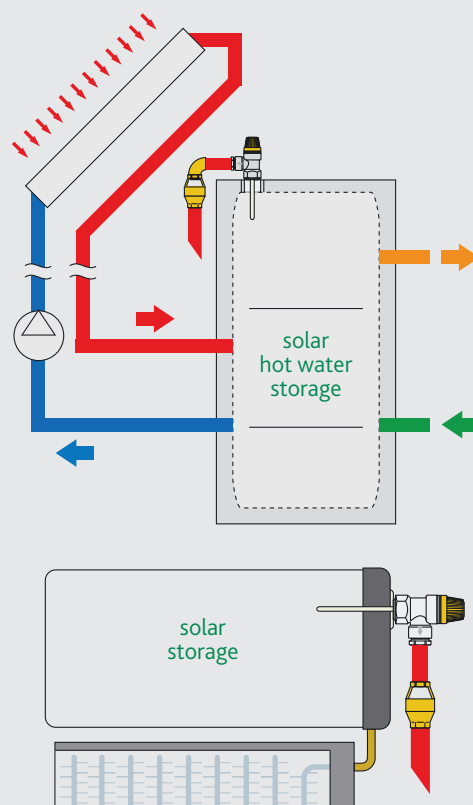
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## Dimensions



Prod Code	A	B	C	D	E	F	kg
3094	G½B	15	40	88	39	102	0.26
3095	G¾B	22	43	91	39	99	0.31

## Typical Solar Application



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