Series SVE-SOL

Safety valves for solar energy systems

Technical Data Sheet



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Description

The membrane safety valve - **SVE-SOL Series** - is part of the safety device for solar energy systems installations feed with water or water mixture as vector, according to DIN4757part 1. The valve discharge pressure is factory-set and cannot be modified without manumission of the seal, placed on the cap, which indicates setting pressure and approval mark.



SVE-SOL

Diaphragm safety valve for solar systems.
Directive PED 2014/68/CEE. Identification number CE0425.

Type	Part no.	DN	bar
SVE-SOL	0215825	1/2" x 3/4"	2,5
SVE-SOL	0215830	1/2" x 3/4"	3
SVE-SOL	0215835	1/2" x 3/4"	3,5
SVE-SOL	0215840	1/2" x 3/4"	4
SVE-SOL	0215860	1/2" x 3/4"	6
SVE-SOL	0215880	1/2" x 3/4"	8
SVE-SOL	0215899	1/2" x 3/4"	10

Technical features	2,5 bar	3 bar	3,5 bar	4 bar	6 bar	8 bar	10 bar
Inlet connection	1/2" female DIN-ISO228/1						
Outlet connection	3/4" female DIN-ISO228/1						
Set pressure (bar)	2,5	3	3,5	4	6	8	10
Discharge pressure (bar)	2,75	3,30	3,85	4,4	6,6	8,8	11
Closing pressure (bar)	2,00	2,40	2,8	3,2	4,8	6,4	8
Discharge flow (l/h) (measured with cold water, at discharge pressure +10%)	3600	3900	4300	4420	5400	6100	7800

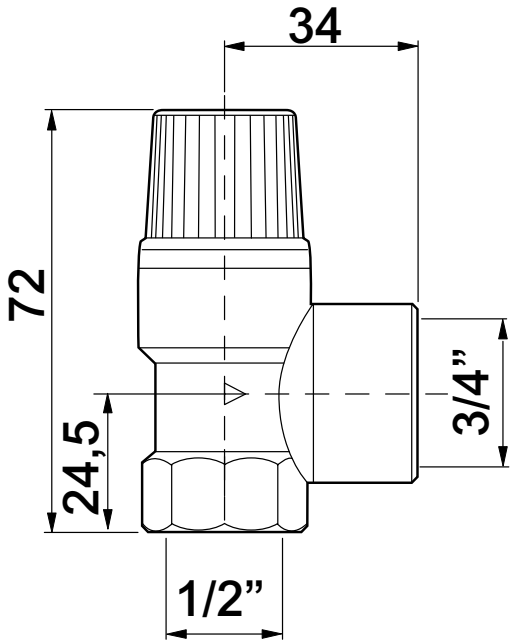
Materials	
Body and cage	EN12165-99 CW617N, hot pressed and sand blasted
Long	Lasting diaphragm resistant to 180 °C
Green discharge knob	UV-resistant shockproof resin
Spring	Galvanised steel heat stabilised
Stem	Reinforced resin
Disc	Resin with characteristic
Maximum operating temperature	160°C (320°F)
Parts in contact with fluid	Suitable for use with 50% glycol mixture

Maintenance

In order to assure a correct functioning, the safety valves must be checked periodically. In an installation, normally, the safety valve remains closed. During the time, impurities may settle near the shutter, it is necessary to proceed with a periodical washing of the valve seat, turning the knob in the direction shown by the arrow on the disk. Almost the total of problems (droppings, uncompleted closings) are caused from the presence of dirt between valve seat and shutter, periodical washings and verifications will prevent problems.

Overall dimensions (mm)

SVE-SOL



Product text

SVE-SOL Series
Diaphragm safety valve for solar energy systems - **SVE-SOL Series** - WATTS brand. Body and cage in brass CW617N, EN12165-99. Elastomer membrane. Discharge pressure calibrated with seal. Maximum operating temperature: -10÷160°C. Fluids: suitable for use with 50% glycol mixture as per DIN 4757 Part 1. TÜV SOLAR certified. According to Directive PED 2014/68/CEE. Identification number CE0425.

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