

Double function safety valve temperature and pressure

Art. 1574



100% MADE IN ITALY 

Function Pintossi + C double function safety valves (pressure and temperature) are normally used inside sanitary hot water storage heaters and have the function to prevent the temperature exceed over 100 °C with the formation of steam.

In particular, the valve comes into operation in two situations:

- On reaching a temperature above 90 °C the thermosensitive material inside the probe expands and contracts according to temperature variations;
- On reaching the valve set point pressure value, according to the operating principles of standard safety valves.

On reaching of the set point value, the valve discharges a sufficient amount of water into the atmosphere to ensure that temperature and pressure remain within the system operating limits.

The valve is made of ADZ brass, which allows a greater resistance to particularly aggressive waters.

This particular series of valves meets the performance requirements of the European Standard **EN1490**.

Technical specifications

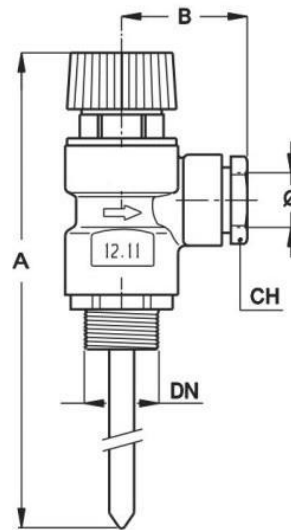
Fluid:	Water
Max operating temperature:	100°C
Max working pressure:	10 bar
Safety valve calibration:	3-4-7 bar

Materials

Body:	Brass CW602N
Int. Stem:	Nylon 30% fiber glass
Diaphragm:	EPDM
Spring:	Stainless steel

Dimensions

DN	A	B	CH
3/4"	180	35	21



Fluid characteristics

Reference standard for water treatments in heating systems is Norm UNI 8065:2019 which regulates the parameters that must be observed to avoid scale and corrosion phenomena.

In order to grant product warranty, the fluid characteristics must comply with the rules in force in the country of relevance or at least present features not less to the ones prescribed by the Norm UNI 8065:2019.

In particular, minimum standards necessary but not sufficient to control are the following:

Fluid aspect: Limpid

PH: Between 7 and 8

Iron (FE): < 0,5 mg/kg (< 0,1 mg/kg for steam)

Copper (CU): < 0,1 mg/kg (< 0,05 mg/kg for steam)

Antifreeze: Passivated Propylene Glycol

Conditioning: as indicated by the producer

In any case when using antifreeze and conditioning solutions, is required to control and verify the correct compatibility between these substances and the construction materials stated in Pintossi+C technical datasheet.