

Use

The use of thermal relief valves is obligatory in all open tank systems using solid, non-pulverized fuel fired boilers (R. 3.C.)

It prevents the temperature of the water inside boiler rising above boiling point at standard atmospheric pressure.

Fitting

The thermal relief safety valve should be fitted proximate to the furnace with the heat sensitive element submerged in the boiler water and the valve body coupled to:

1. the hot sanitation water outlet pipework, for furnaces with boiler (A)
2. on the emergency heat exchanger outlet connexion for furnaces devoid of boiler (B).

Ratings

Min. temperature	: -10°C
Set temperature (initial aperture)	: 97°C
Discharge temperature (maximum discharge)	: 110°C
Maximum operating pressure	: 10 bar
Maximum discharge capacity	: 6,5 m ³ /h

Dual Safety

The thermal relief valve type STS20 is furnished with 2 heat sensitive elements; in the event of failure of one element, the other will assure that the valve is operated.

Specifications

- * Nickel plated, EN12165-99 CW617N brass construction body and bonnet.
- * Viton seal and packing.
- * Stainless steel spring.
- * Manual discharge button in red resin.
- * Copper capillary tube, length 1300 mm, with sheath.

Maintenance:

It's necessary to wash the valve seat in order to clean it from impurities and deposits. To activate the manual discharge and therefore the cleaning, press a few times the red button on the valve.

In the event of water leakage when the valve is shut, clean the valve seat and the disk as follows:

1. Unscrew the bottom plug (1) and remove the disk (2) with the spring inside it.
2. Clean, with water, the valve seat and remove any encrustations from the seal.
3. Refit the spring inside the disk and introduce the assembly into the bottom plug and screw to the valve body.

Accessories

Drain-off funnel IS20 (3/4" x 1)

Disk (spare part) DK/STS