

# Boiler safety group

## Art. 536



100% MADE IN ITALY 

### Function

Pintossi + C boiler safety group is designed to grant a **total and complete protection** of closed circuit. The group is composed by a safety valve preset to 3bar, an automatic air vent with shut-off cock and a manometer to check the internal pressure value.

For this reason, is particularly indicated to be installed in heating systems on the top of the boilers.

The bottom manifold is designed with a geometry which convey air particles in the central section of the group, where is assembled the automatic air vent.

The safety valve is designed in order to open automatically when the internal pressure of the system exceeds a pre-set maximum pressure value, by discharging the fluid through it. Once the pressure of the system returns below the pre-set maximum value the safety valve closes automatically. This safety feature prevents reaching dangerous pressure levels which may damage and affect the components installed in the system.

The safety group is supplied assembled and tested.

Available with or without insulation.

### Technical specifications

Fluids:	Water or glycol solutions
Glycol max:	30%
Working max. temp.:	100°C
Working max. pressure:	10 bar
Opening overpressure:	10% (art.581)
Tolerance:	10% (art.581)
Manometer scale:	0-4 bar
Certifications:	WRAS (art.581)

### Materials

Manifold body:	Ottone UNI 5035
Air vent body:	Ottone CW617N
Safety valve body:	Ottone CW617N

## Dimensions

VERSION	L	H	D
With insulation	17	13,5	6
Without insulation	14	13,5	3,5

## 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.