

## ART.2008

Combined safety valve for heating and sanitary systems

- Inlet size: 1/2" - 3/4" male
- Outlet size: 1/2" - 3/4" female
- Maximum temperature: 115°C

### SIZES, CODES AND CALIBRATIONS

1/2"F x 1/2"M for the item 2008 121230	Pt = 3bar
1/2"F x 1/2"M for the item 2008 121240	Pt = 4bar
1/2"F x 1/2"M for the item 2008 121260	Pt = 6bar
1/2"F x 1/2"M for the item 2008 121270	Pt = 7bar
1/2"F x 1/2"M for the item 2008 121200	Pt = 10bar
3/4"F x 3/4"M for the item 2008 343430	Pt = 3bar
3/4"F x 3/4"M for the item 2008 343440	Pt = 4bar
3/4"F x 3/4"M for the item 2008 343460	Pt = 6bar
3/4"F x 3/4"M for the item 2008 343470	Pt = 7bar
3/4"F x 3/4"M for the item 2008 343400	Pt = 10bar



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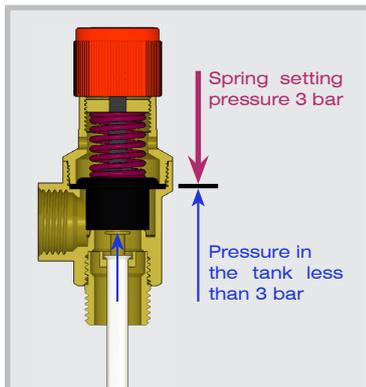
## DESCRIPTION

The combined safety valve limits the pressure and temperature of the hot water contained in the stored water tank.

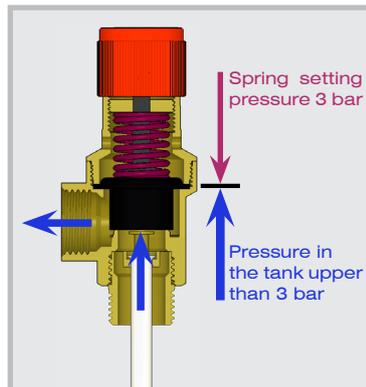
In order to ensure the pressure is within the limits, a certain amount of fluid is discharged into the atmosphere, when the shutter opens:

- in response to fluid compression on the shutter once the set value is reached
- or due to excessive increase of hot water temperature in the tank, causing fluid expansion which acts on the valve shutter.

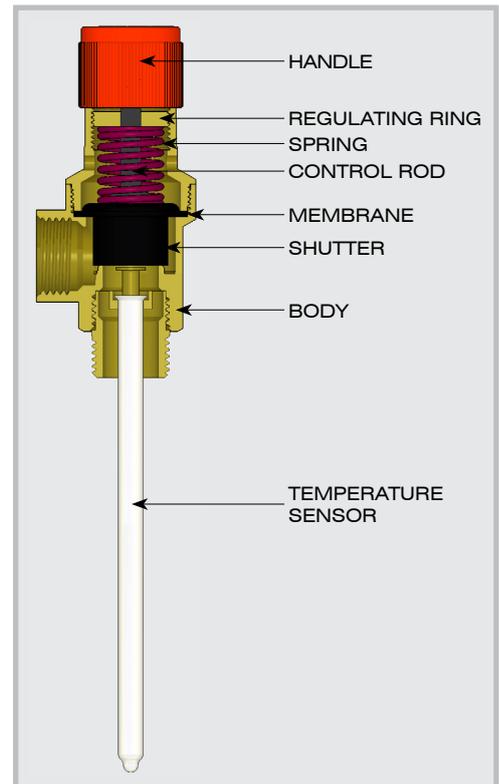
The calibration temperature is chosen according to the maximum acceptable pressure in the system.



**System pressure lower than the set pressure of the valve.**



**System pressure higher than the set pressure of the valve.**



### THE P.E.D. DIRECTIVE

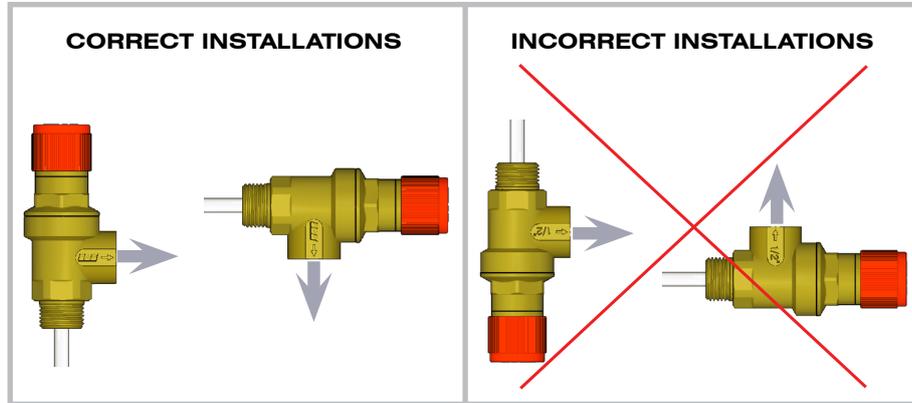
Safety Valves **Art.2008** have been designed and manufactured in full compliance with Law No.93, dated 25.02.2000, which assimilates Directive 97/23/CE "P.E.D." of the European Parliament for the alignment of legislations concerning pressure equipment. Safety Valves are included in Class IV of this Directive.

Safety valves **Art.2008** conform to the UNI EN 1490 standard.

2 INSTALLATION

**Safety Valves Art.2008 must be installed on hot water tanks only, without shut-off valves.**

- The set pressure of the safety valve added to the allowed overpressure must not exceed the maximum operating pressure value and the valve bore diameter must not be less than 15mm.
- The discharge pipeline diameter must not be less than the outlet connection diameter.
- The discharge pipeline of the safety valve must not hinder the regular operation of valves. Discharge must occur very close to the safety valve and must be accessible and clearly visible.
- Safety valves are set in our laboratory. The set pressure cannot be modified without tampering.



**!** To avoid the deposit of impurities on the shutter, do not install the safety valve handle downwards.

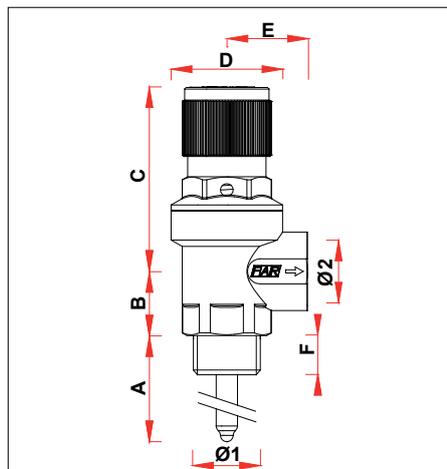
3 TECHNICAL FEATURES

P.E.D. Class:	IV	Body and cap:	UNI EN 12165 CW617N brass
Nominal pressure:	PN10	Stem:	UNI EN 12164 CW614N brass
Temperature range:	92 ± 3°C	Gaskets and membrane:	EPDM
Opening overpressure:	10%	Spring:	UNI EN 10270-1 steel
Closing tolerance:	20%	Handle:	Nylon®
Compatible media:	water		



**N.B:** The set pressure is tamperprinted on the valve handle.

4 DIMENSIONAL FEATURES



CODE	Ø1	Ø2	A	B	C	D	E	F
2008 1212xx	G1/2	G1/2	120	20	61	35	26	12
2008 3434xx	G3/4	G3/4	115	24	61	35	29	14