

Safety relief valves 866/867/868/869

Description

A safety (or security) relief valve is a device intended to adjust the pressure and protect sanitary and heating applications.

It allows over-compressed fluid to be discharged from the system when the pressure reaches its preset limit value, keeping the entire circuit in good working order and avoiding any incident.

At the nominal pressure, the 'pop' effect opens the plug and releases water to reduce the pressure.

The diaphragm mechanism provides the seal to the exterior.

- 3 positions: Closed, low flow rate, maximum flow rate

Versions

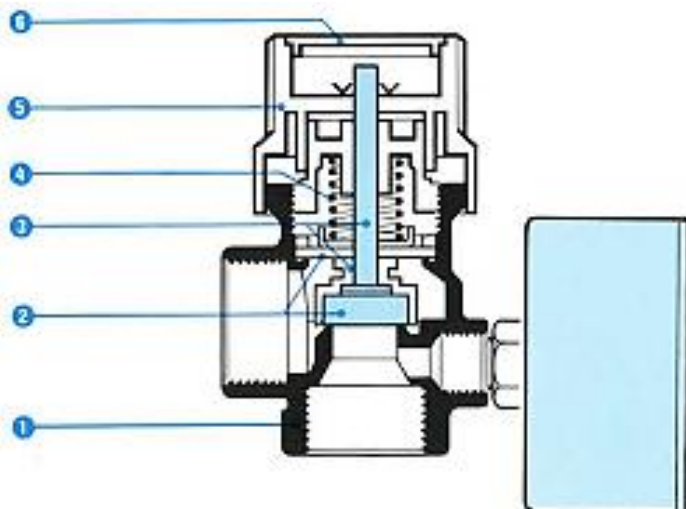
	Female DN 1/2" – 3/4"
Model	Male DN 1/2" – 3/4"
Setting range	3 to 7 bar

Advantages

- NF P 52001 certification for the 3 bar series
- 5 year guarantee
- European production
- Single setting range at 3 or 7 bar, sealed using a capsule

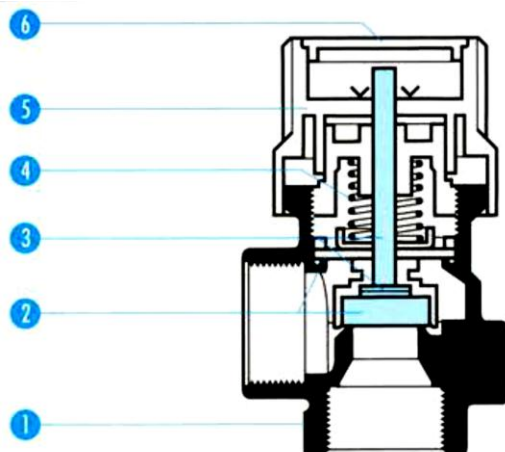


**Design
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866-867**



1. Cast copper alloy body
2. Relief valve disc and diaphragm made of peroxide-vulcanised EPDM.
3. Brass relief valve stem and disc holder
4. Stainless steel spring
5. Glass fibre-filled (30%) polypropylene drain button
6. Polypropylene identification washer

868-869



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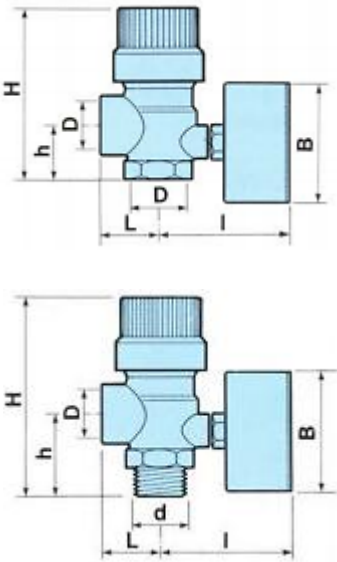
Materials

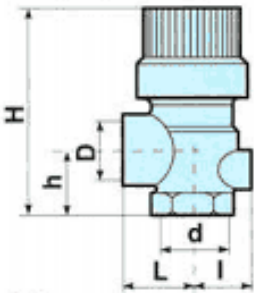
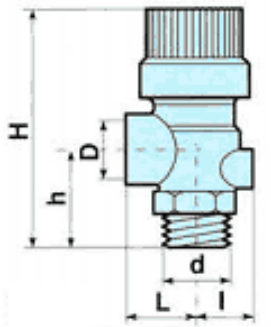
Body:	Hot-stamped brass CW617N
Control knob:	PA 6.6 + glass fibre
Diaphragm:	EPDM
Spring:	Stainless steel

Specifications



Applications	Sanitary		Heating	
	1/2"	3/4"	1/2"	3/4"
Pressure, factory setting: Power: Calorific power: Class	3 bar 3,6 bar 100 kW 2	3 bar 3,6 bar 139 kW 2	7 bar 8,4 bar 230 kW -	7 bar 8,4 bar 275 kW -



Dimensions

	Model	D	d	H	h	L	B	I
	866	1/2"	1/2"	72	23.5	26.5	40	21
	866	3/4"	3/4"	70.5	22	31.5	40	22.5
	867	1/2"	1/2"	77.5	29	26.5	40	21
	867	3/4"	3/4"	78.5	30	31.5	40	22.5

	Model	D	d	H	h	L
	868	1/2"	1/2"	72	23.5	26.5
	868	3/4"	3/4"	70.5	22	31.5
	869	1/2"	1/2"	77.5	29	26.5
	869	3/4"	3/4"	78.5	30	31.5

Catalogue range

	Model	Connection	Pressure gauge	Nominal pressure	Dimension 1/2"	Dimension 3/4"	NF
	866	F-F	yes	3 bar	866004	866006	yes
	867	M-F	yes	3 bar	867004	867006	yes

	868	F-F		3 bar	868004	868006	yes
				7 bar	8680047	8680067	
	869	M-F		3 bar	869004	869006	yes
				7 bar	8690047	8690067	

Installation

Fitting recommendations

- The relief valve must be fitted vertically, as close as possible to the heat generator.
- It must be accessible and visible.
- No valve must be placed between the heat generator and the relief valve.
- Follow the direction of the arrows → the outlet is connected to the drain pipe
- The inlet and drain pipes must not have a smaller diameter than the nominal diameter of the relief valve.
- It should discharge into the open air without circuit accident.

Commissioning

Make the valve 'splutter' when commissioning. To do so:

- Turn the red knob anticlockwise.
- When the knob lifts, the valve is opened. When the knob drops, the valve is closed.

Maintenance

The relief valve should be operated at least once a year. To do so, use the same method as for commissioning, repeating the operation several times.