

Safety group 889 elbow



Description

The safety unit is used in a sanitary system to prevent water heater tank from explosion due to over pressure. The safety unit is located between the water heater tank and the cold water supply line.

Safety unit functions :

- Over pressure protection
- Discharge
- Isolation
- Antipollution
- Draining

The safety unit installation is mandatory on a water heater tank.

Versions

Model	Elbow 3/4"
Alimentation	Horizontal

Benefits

- The production site is certified ISO 14001
- 5 years guarantee
- Packaging including detachable instructions which can be hanged on the product. It explains the "standard" flow during heating period.
- Valve knob designed for excellent grip
- Metallic angle discharge port with revolving air gap.

Materials

Body : Nickel plated brass
 Valve seat : PA6T
 Safety valve: EPDM
 Air gap : Nickel plated brass


Specifications

Pression nominale : PN10
 Max. temperature : 95°C
 Max. power rating : 10 Kw

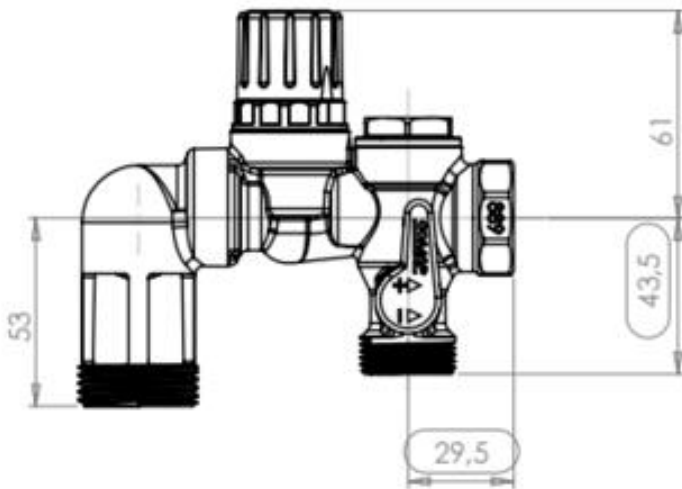
Hydraulics specifications

Designation	NF norm	889
Safety valve Factory setting pressure Discharge flow rate under 2.4 l/h Steam flow rate under 8.4 bar (≥ 225 kg/h) « Pop » flow rate under 8.4 bar (≥ 650 l/h) Discharge flow rate 0.1 bar (≥ 300 l/h)	7 bar 7.35 bar ≥ 225 kg/h ≥ 650 l/h ≥ 300 l/h	7 bar 7.35 bar 260 kg/h 5300 l/h 440 l/h
Check valve Flow rate supply under 1 bar (≥ 3528 l/h) Sealing pressure External tightness Sound level 3 bar (EN ISO 3822-1 et EN ISO 3822-3)	≥ 3528 l/h 0.003 to 16 bar ≥ 25 bar -	3700 l/h 0.003 to 16 bar 25 bar Groupe I ≤ 20 dBA

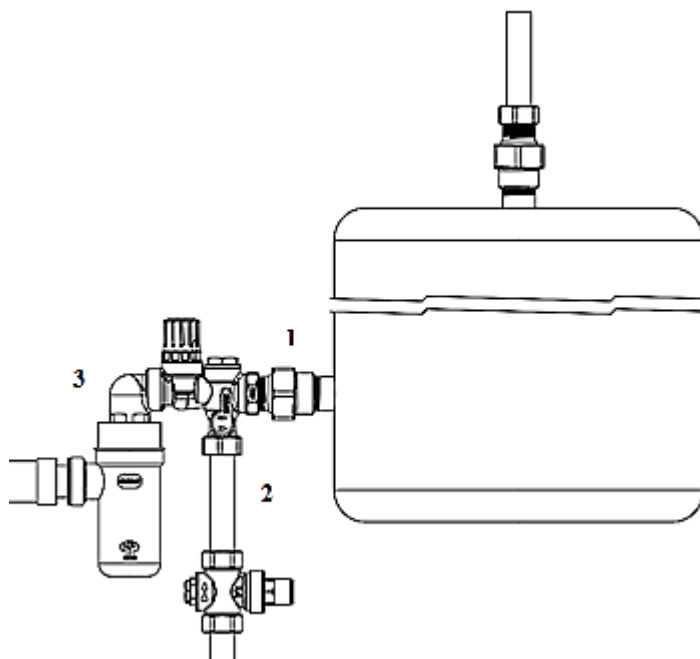
Gamme au catalogue

Photo	Model	Size	Code
	7 bar	3/4"	889216

Dimension



Installation



- Should be directly mounted on the water heater tank with a female connection (1). Do not adapt a safety unit to a water tank with larger connection.
- Cold water supply line must be connected to the male connection (2)
- The air gap must be oriented downwards. The 1" output connection (3) allows the mounting of a siphon, ref 8877 Ø 1". The drain pipe should not be undersized under 25mm minimum.


Tip: Install a pressure reducing valve up-stream the safety unit if the cold water supply pressure exceeds 5.25 bar.

Installation should comply with local plumbing regulations.

It is advisable to mount a dielectric union between the water heater tank connection and the safety unit in order to prevent electrolytic corrosion.

IMPORTANT : The safety unit installation is mandatory on a water heater tank and it is highly recommended to install a discharge siphon.

Accessoires

Photo	Modèle	Size	Type	Code
	Discharge siphon 8877	1"	F	887708