



INTRODUCTION

Water Heater Safety Valves are mechanisms that protect the water heaters from high pressure by evacuating excess pressures in the system.



When the pressure in the system is increased due to the operation of the water heater safety valve, the water is discharged from the valve discharge nozzle in the form of droplets. **This is a sign that you are in safe, and this is definitely not a negative situation.** In this case, what needs to be done is to connect an 8 mm hose to the drain mouth and connect the other end to a drain.

Areas of Usage: Water Heaters, Boilers, Electrical - storage type water heaters.

As the internal pressure of the water heater increases due to the temperature of the water, the water heater is at risk. In such cases, the safety valve relieves the risk of rupture and explosion of the water heater by discharging the high pressure generated in the water heater.

Water heater safety valve with lever, what does the lever on the safety valve do?





- By opening and closing the lever, interrupting the system in order to prevent calcification which may occur over time between the sealing gasket and the evacuation chamber that provides evacuation.
- To control the system against the possibility of clogging of the ventilation holes of the safety valve with objects such as lime, sand, gravel, etc.
- When you open and close the lever, water will drip from the discharge nozzle. If there is no dripping, please apply for technical service.

Operating Principle Video: <https://www.youtube.com/watch?v=a-J9LqldRIk>

By-Pass Feature of Water Heater Safety Valve

In safety valves; there is a by-pass system to equalize the tank pressure with the mains pressure. In order to by-pass the valve system, there should be no check valve water meter or check valve in the installation. Reducing the tank pressure by bypassing the safety valve extends the tank life and provides extra safety.

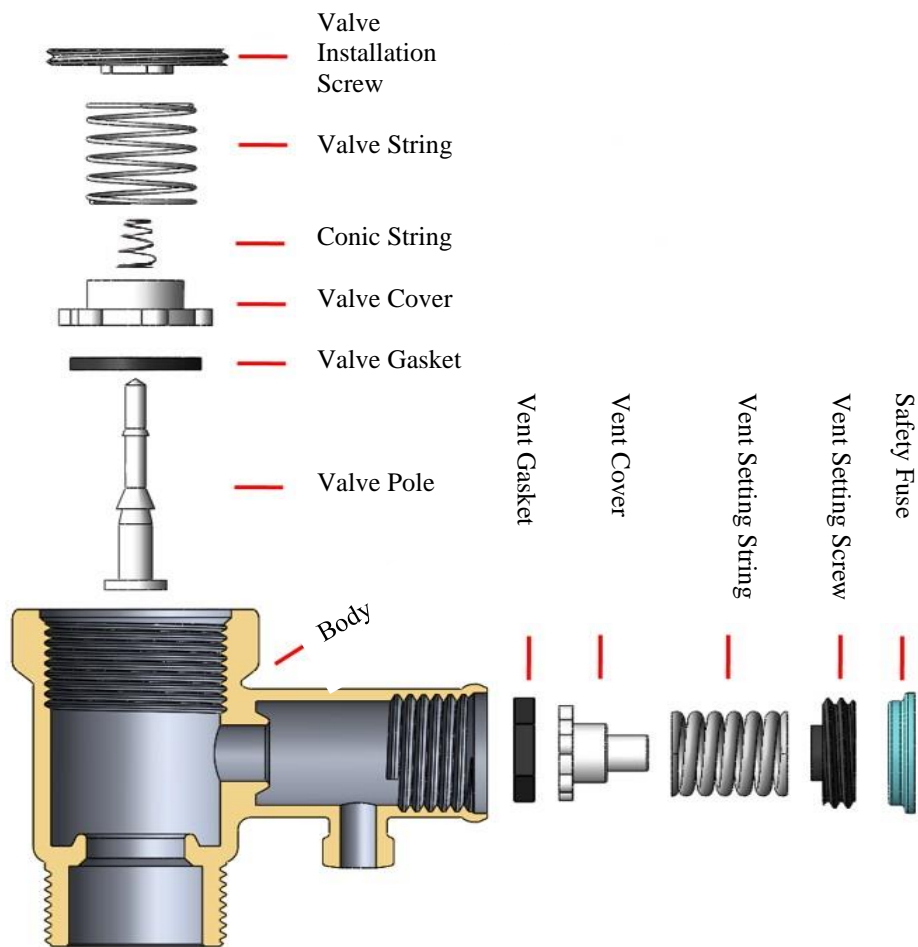
PRODUCTS

	MODEL	PRODUCT CODE	SIZE
	Water Heater Safety Valve	0115	1/2"
	Water Heater Safety Valve with Lever	0215	1/2"

TECHNICAL SPECIFICATIONS

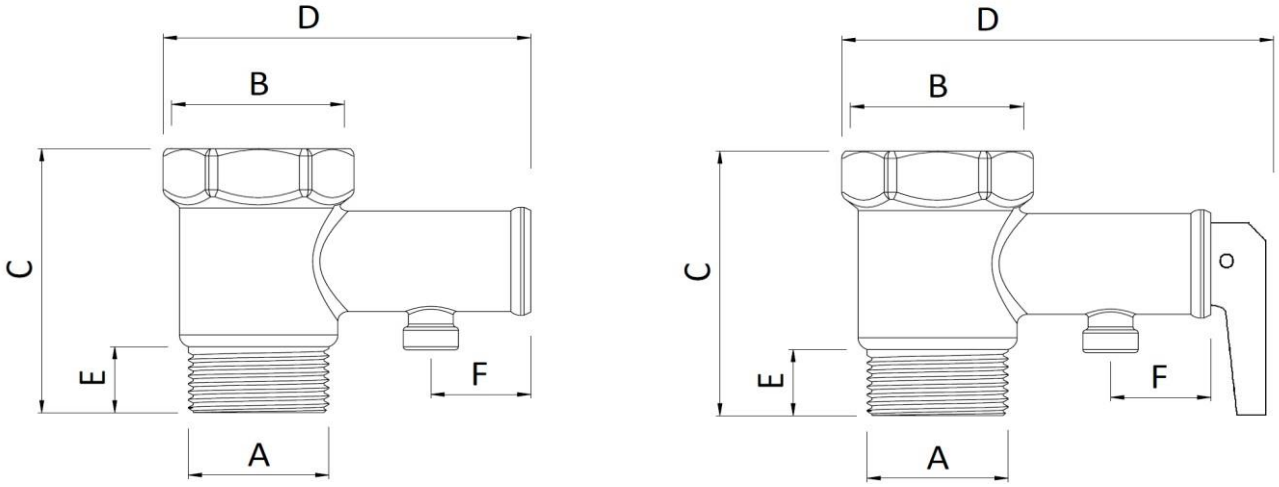
Size	:	1/2"
Setting Pressure	:	9-10 bar
By-pass	:	0.5 bar
Operating temperature	:	5 ÷ 110 °C
Nominal Pressure	:	10 bar
Fluid Used	:	Water

MATERIAL LIST



Body	:	Brass - CW 617N EN 12165
Valve Installation Gasket	:	PA6
Valve Spring	:	INOX
Conic Spring	:	INOX
Valve Cover	:	PA6
Valve Gasket	:	EPDM
Valve Pole	:	PA6
Vent Gasket	:	NBR
Vent Cover	:	PA6
Vent Setting Spring	:	INOX
Vent Setting Screw	:	PA6 GFR30
Safety Fuse	:	PA6

DIMENSIONING



Product Code	A [inch]	B [inch]	C [mm]	D [mm]	E [mm]	F [mm]
0115	1/2" ET	1/2" IT	42	53	10	14.50
0215	1/2" ET	1/2" IT	42	60.60	10	14.50

ET : EXTERNAL THREADED

IT : INTERNAL THREADED

RECOMMENDATIONS



The dripping of the water heater safety valve is extremely natural and safe when the water in the boiler is hot. If the vent is dripping while the system is cold, check the network pressure. If you observe the mains pressure is high, it is advised to install the water pressure reducer with manometer to reduce this pressure to the desired level.

We reserve the right to make changes related data in this publication, at any time and without prior notice.