



The Profit adjustable pressure relief valves are reliable safety valves that will relieve excess pressure in wet sprinkler systems. Excess pressure can be caused by surges or temperature changes.

Characteristics

- Pressure relief valve with adjustable pressure feature.
- Compliant with NFPA13-requirements.
- Each valve will be factory calibrated at 12,8 bar/185 psi.
- ⚠ • 3 pre-marked indications to adjust the valve to opening pressures:
 - 12 bar/175 psi
 - 17,2 bar/250 psi
 - 21,4 bar/310 psi

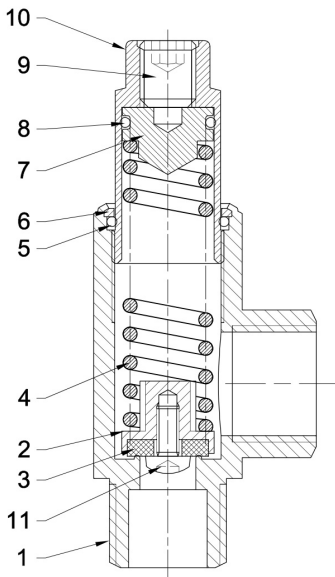
Working pressure

Maximum 21,4 bar / 310 psi

Working temperature

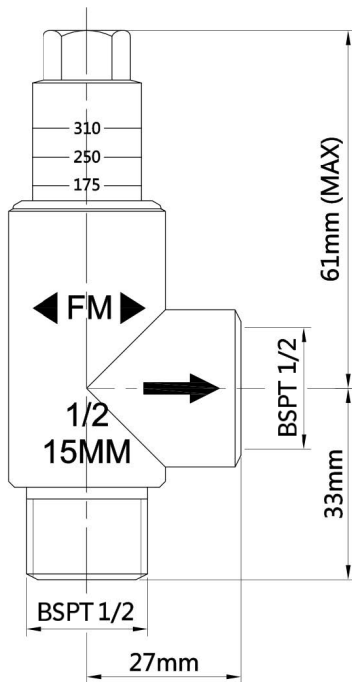
Maximum 50°C

Materials



No.	Part name	QTY.	Material
1	Body	1	Bronze
2	Disc	1	Bronze
3	Sealing rubber	1	EPDM
4	Spring	1	Stainless steel
5	O-Ring	1	EPDM
6	Washer	1	Bronze
7	Piston	1	Stainless steel
8	O-Ring	1	EPDM
9	Adjustment screw	1	Stainless steel
10	Adjustment cap	1	Bronze
11	Retaining screw	1	Stainless steel

Dimensions



Installation and adjustment procedure

- Valves have 1/2" BSPT thread on inlet (male) and outlet (female). Easy installation with appropriate thread sealant. Flow arrow is clearly indicated on the bronze body.
- Each valve arrives with a sealed calibration on 185 psi. If this is the desired relief pressure, do not turn the cap (N°10) & screw (N°9).
- Setting another relieve pressure is possible by turning the adjustment cap (N°10) with a wrench. Finetuning is done by turning the inner hexagon adjustment screw (N°9). Turn clockwise for higher pressure, turn anti-clockwise for lower pressure.
- The visual pressure lines on the stem of the adjustment cap are approximate and for reference only, accurate setting needs a pressure gauge connected.
- After setting, the valve will open within +/- 5% of the set pressure and close at about 90% or more of the set pressure.

Maintenance

When inadvertent leakage is observed then first try the adjustment procedure to solve the problem. If the valve does not respond to adjustments, then it has to be replaced.

Note: for easy replacement it can be considered to install a ball valve at the inlet of the valve. Please pay attention that this ball-valve must be in open position during normal working conditions of the system!

GENERAL INFO

- Installers should be trained or experienced to install and understand the product.
- Read and understand all technical datasheets and installation instructions before attempting to install, remove or adjust any Profit piping products.
- Depressurize and drain the sprinkler installation system before attempting to install, remove or adjust any Profit Piping products.
- Never work on piping-systems that are pressurized and /or filled with water.
- Use the necessary Personal Protection Equipment (PPE) to avoid personal injury (helmet, safety shoes and goggles, Profit gloves).



Failure to follow these instructions could result in death or serious injury and property damage.

We advise to always store our products in closed and dry environments, the products do not need any specific maintenance once installed on an aboveground sprinkler installation.

REVISION TABLE

Date	△	Notes
31/05/2024	A	Page 1 - Removal of one pre-marked indication.