

HPR15

Pressure Relief Valve
Inlet Pressure 21 bar
Nominal Diameter 1"



This product is discontinued!

Applications

- Industrial
- Commercial

Brief information

Operation: Tight closure is ensured by the toggle joint action which applies maximum power as the valve approaches closed position. The toggle mechanism is ruggedly constructed for high pressure service with double diaphragm-stem links and connecting links. The HPR15 is equipped with a diaphragm stem guide, which serves to isolate the diaphragm from the expanding pressure in the regulator body.

The long, straight coil, compression spring provides accurate operation and is easy to adjust. It may be readily replaced by removing the upper diaphragm chamber.

Application: The HPR15 is to guard against excess pressure. The valve is fully automatic in operation and resets when the pressure falls below the preset value.

Control: A comprehensive range of springs is available, as described overleaf. The relief pressure can be easily and accurately adjusted by turning the spring adjusting screw.

Technical Data:

Maximum inlet pressure:	21 bar (305 psig)
Maximum relief pressure:	2.8 bar (40.6 psig)

Servicing: The HPR15 has been designed for ease of access, inspection and servicing of all internal components. A standard soft spares kit is available.

Reference number SKHPR10-01

Main features

- Size 1"
- Temperature range
-20°C to +80°C
- Threaded connections to BS EN 10226 (ISO 7) or NPT (other threads may be available upon request).
- Internal impulse
- Spring loaded
- Orifice 3/8" size

HPR15: Pressure Relief Valve

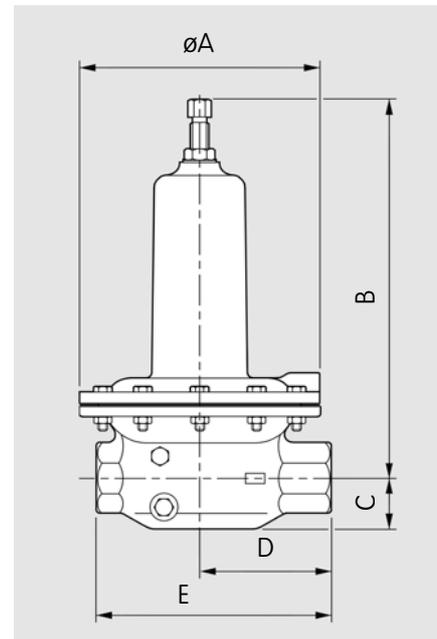
Dimensions and Weights

A	B	C	D	E	Weight (Kg)
178	308	38	95	159	7.3

Capacities

Relief Pressure (bar)	Capacity (scmh)
0.35	33
0.7	45
1.0	54
1.4	64
1.7	72
2.0	80
2.8	97

Above capacities quoted, SCMH
Propane SG = 1.52 1.0 Bar A



Material Specifications

A summary of materials used for the HPR15 is given for reference. All material has been selected to provide maximum durability and reliability in service.

Components	Specification
Body and cover	S.G. Iron
Main diaphragm	Nylon reinforced Nitrile (Buna N)
Seat disc	Nitrile (Buna N)
Orifice	Brass
Springs	Carbon Steel
Reset Mechanism	Brass with integral nitrile seal

Loading Springs

All springs are colour coded for ease of identification.

Spring Range		Part Number	Colour Code
bar	PSIG		
0.17 - 0.34	2.5 - 5.0	I071421P009	Red - Black
0.34 - 1.0	5.0 - 14.5	I071421P011	Green - Black
1.0 - 1.7	14.5 - 24.7	I071421P012	Yellow - Black
1.0 - 2.8	14.5 - 40.6	I071421P014	Blue - Black

Quality:

Elster Jeavons is committed to a programme of continuous quality enhancement. All equipment designed and manufactured by the Elster-Instromet group benefits from the group's quality assurance standards which are approved to EN ISO9001:2008.

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