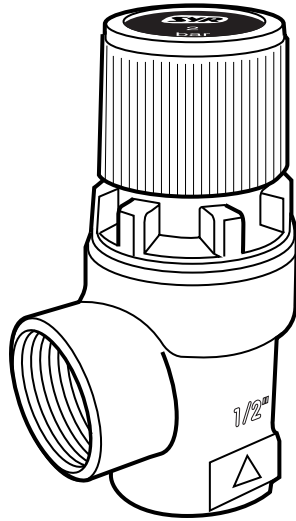




Product Specification Sheet

Pressure Relief Valves - PREL 101 Series



A pressure relief valve to protect closed-circuit water heating systems from over-pressure.

Product Features and Benefits

- **Diaphragm design** gives improved resistance to scaling and extends the valve's life span.
- **Rapid removal** of single piece cartridge allows access to seat for **cleaning or cartridge replacement**.
- Set relief pressure range from **2.0 bar to 3.0 bar** gives **flexibility of system design**.
- Available with FBSP/FBSP or MBSP/FBSP connections allowing for **complete installation flexibility**.

Pressure Relief Valves - PREL 101 Series

Description

Made from hot pressed brass, the 101 Series Pressure Relief Valve is predominantly used to protect closed-circuit water heating systems from overpressure. It has a high grade glass fibre reinforced plastic cap. Available in 1/2" or 3/4" connections, it also has a set pressure relief range from 2.0 bar to 3.0 bar with the response pressure indicated on the cap cover.

Product Range

PREL 101 001: 1/2" FF Pressure Relief Valve - 2.0 bar
 PREL 101 002: 1/2" FF Pressure Relief Valve - 2.5 bar
 PREL 101 003: 1/2" FF Pressure Relief Valve - 3.0 bar
 PREL 101 015: 1/2" MF Pressure Relief Valve - 2.0 bar
 PREL 101 024: 1/2" MF Pressure Relief Valve - 2.5 bar
 PREL 101 016: 1/2" MF Pressure Relief Valve - 3.0 bar
 PREL 101 011: 3/4" FF Pressure Relief Valve - 2.0 bar
 PREL 101 012: 3/4" FF Pressure Relief Valve - 2.5 bar
 PREL 101 013: 3/4" FF Pressure Relief Valve - 3.0 bar
 PREL 101 014: 3/4" MF Pressure Relief Valve - 2.0 bar
 PREL 101 027: 3/4" MF Pressure Relief Valve - 2.5 bar
 PREL 101 023: 3/4" MF Pressure Relief Valve - 3.0 bar

Replacement Cartridges (suitable for 1/2" and 3/4" valves)

ZRC209020: 2.0 bar Pressure Relief Cartridge
 ZRC209021: 2.5 bar Pressure Relief Cartridge
 ZRC214043: 3.0 bar Pressure Relief Cartridge

N.B.

Other pressure settings are available by contacting Reliance Sales Department.

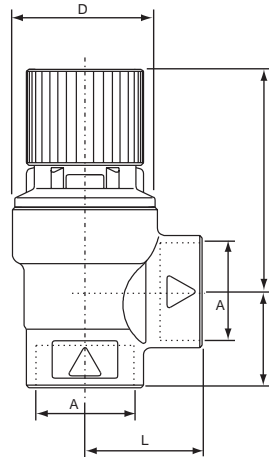
Materials

Body: Hot pressed DZR brass
 Diaphragm: EPDM Elastomer
 Seal: EPDM Elastomer
 Spring: Spring steel wire - corrosion protected
 Internals: OT58 brass
 Cap: High grade glass fibre reinforced plastic

Specifications

Set relief pressure range: 2.0 bar to 3.0 bar
 Operating temperature: 140°C Max.
 Test pressure of body: 25 bar

Dimensions



	A	L	D	H	h
1/2" Models	1/2"	25	31	49	20.5
3/4" Models	3/4"	29	31	52	26.5

All dimensions in mm unless stated

Discharge Rating

Pressure Setting (bar)	Discharge Rating (m ³ /h)	
	Inlet Size	
2.0	1/2"	3/4"
2.5	3.0	3.2
3.0	3.1	3.4
1.5	3.3	3.6
	2.8	3.0

How to Specify

101 Series of pressure relief valves of one piece replaceable cartridge design, suitable for protection from over-pressurisation in heating systems. Incorporates a twist-top mechanism for optional manual operation, and an indicated outlet pressure (Include correct product range code).

Guarantee

All Reliance® products undergo strict performance tests prior to despatch, and are guaranteed against faulty materials and workmanship for one year from date of purchase. This is in addition to any statutory rights.

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