

PRESR Direct-Activated Pressure Reducing Valve (with gauge)

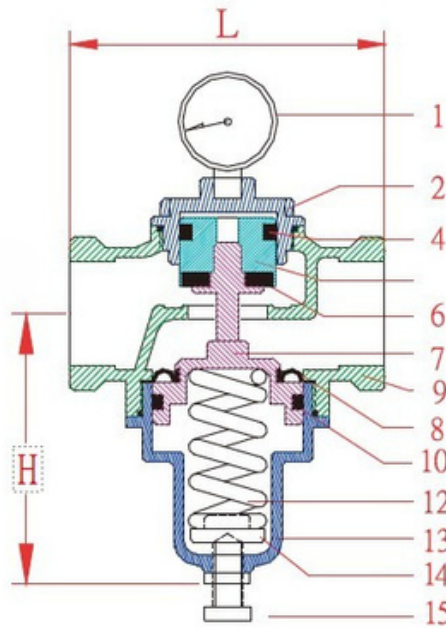
SPEC SHEET

PRODUCT CODE: As below

KEY FEATURES

A control valve that reduces the input pressure of a fluid to a desired value at its output, protecting pipelines and systems from overpressure by providing consistent outlet pressure. These valves have been utilized in a wide range of sectors and can be generally used for gases and liquids.

- Stainless Steel 316 Valve body - suitable for fluids, air & some gases.
- The gate is balanced pressure designed, which will not influence the outlet pressure caused by unstable inlet pressure.
- Comes standard with potable water WRAS seals suitable for -10 - 85°C Fluids.
- The outlet pressure responds directly to the pressure control chamber and adjusts the setting pressure, allowing a quick response and adjusting the pressure accurately.
- The special design of diaphragm and piston means smooth pressure regulation and effective seal under no-flow conditions
- Comes with a standard BLUE spring which has a pressure range from 1-6 bar (14.5 - 87 PSI). Higher pressure springs can be provided as accessories at 4-10 (58 - 145 PSI) or 8-13 bar (116 - 188 PSI) pressure.
- Optional supply of seal kit which is suited for 90°C water, oily products and compressed air (please enquire with the team for this option)
- Maximum incoming pressure 25 bar (362 PSI). Valve body test pressure 35 bar



No	Part Name	Material
1	Pressure Gauge	Stainless Steel
2	Upper Cover	Stainless Steel 316
3	O-ring	NBR/Viton/Teflon
4	U-ring	NBR/Viton
5	Piston	Stainless Steel 316
6	Sealing Spacer	NBR/Viton/Teflon
7	Shaft	Stainless Steel 316
8	Diaphragm	NBR/Viton
9	Main Body	Stainless Steel 316
10	UH-ring	NBR/Viton
11	Fixed Bolt	Stainless Steel 304
12	Spring	Spring Steel
13	Lower Cover	Stainless Steel 316
14	Washer	Brass
15	Adjusting System	Stainless Steel 304

Connection size	Approx Pressure Loss	H (mm)	L (mm)	Weight (kg)	Code
15mm	CV 2.4 - 0.19 bar at 15 l/min, 1.34 bar at 40 l/min	75	71	0.9	PRESR.155272
20mm	CV 4.0 - 0.27 bar at 30 l/min, 1.1 bar at 60 l/min	75	86	1.3	PRESR.155273
25mm	CV 6.5 - 0.40 bar at 60 l/min, 1.14 bar at 100 l/min	81	90	1.6	PRESR.155274
32mm	CV 13 - 0.18 bar at 80 l/min, 0.64 bar at 150 l/min	115	130	2.9	PRESR.155275
40mm	CV 13 - 0.18 bar at 80 l/min, 0.64 bar at 150 l/min	115	115	2.9	PRESR.155276
50mm	CV 14 - 0.25 bar at 100 l/min, 1.53 bar at 250 l/min	115	120	3.0	PRESR.155277

*Note: The 32mm valve is a 40mm valve body factory fitted with thread reducing bushes.



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