



SRV 155 D

Safety Relief Valve

The 155 D relief valve is installed downstream of pressure regulators to relieve limited volumes of gas. Used where venting to the atmosphere is acceptable, it provides a cost-effective solution to prevent safety shut-off valves from triggering in case of creep leaks from regulators. This valve is ideal for medium pressure settings and offers a wide setting range and robust performance.

KEY BENEFITS

- » Accurate operation
- » Tight shut-off
- » Durable
- » Approved by German DVGW

DESCRIPTION

The 155 D relief valve is a spring-loaded throttling relief valve, where a diaphragm measures the system (inlet) pressure, a spring provides the initial load to the diaphragm and establishes the relief set point, and a valve throttles the relief flow.

Technical Specifications

Maximum relief (inlet) pressure	16 bar
Relief set pressure range	0.2 to 9.5 bar
Operating temperature	-20°C to +60°C
Acceptable gases	Natural gas, town gas, propane, butane, air, nitrogen or any non-corrosive gas

Sizes & Connections

Sizes	DN 20, 25
Type	Gas female threaded - G ¾", G 1" threaded to ISO 228/1 (NPT, BSPT on request)

Materials

Body-Casing-Cover	GGG 40
Actuator	GGG 40
Orifice	Brass
Internal parts	Brass, Steel, zinc coated
Seals / O-Rings	NBR rubber / Viton
Diaphragm	NBR rubber, fabric reinforced

Relief Set Pressure Ranges

Spring Code	Spring Color	Wire (Ø mm)	Spring Range
955-200-96	Light Blue	2.9	0.2 - 1.0 bar
955-201-11	Red	3.4	0.4 - 1.6 bar
955-200-87	White	3.8	1.0 - 3.5 bar
955-200-97	Brown	4.2	2.0 - 6.0 bar
955-200-88	Dark Blue	5.0	3.0 - 9.5 bar

Accuracy

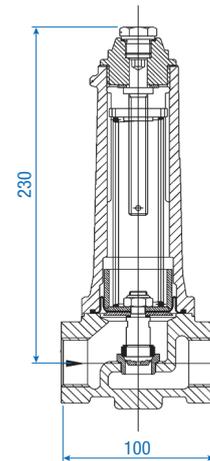
Accuracy at the initial leak point, at which the relief valve begins to discharge, is in the range of $\pm 2.5\%$ of the setting when it is above 1 bar, and in the range of $\pm 5\%$ of the setting when it is between 0.5 bar and 1 bar.

Flow Capacity

Relief Set Pressure (mbar)	Buildup Over Relief Pressure Setting (mbar)	Capacity at Standard Conditions (m ³ /h)
0.4	0.5	45
0.8	1.0	55
1.0	1.2	66
2.0	2.5	128
4.0	4.5	190
6.0	7.0	470

SRV 155 is approved by the German DVGW for a relief set pressure range from 0.5 to 9.5 bar.

Overall Dimensions (mm)



Standard conditions:

- Absolute pressure of 1.013 bar
 - Temperature of 15°C
- The flow rates are indicated for a 0.6 specific gravity gas

Information to be specified when ordering:

- » Model
- » Inlet pressure
- » Relief pressure range
- » Connection type
- » Maximum flow rate
- » Kind of gas
- » Quantity required



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