

SRV 155D

Safety Relief Valve G $\frac{3}{4}$ " – G1"

Features

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



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.

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 Features

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, propane, butane, air, nitrogen or any non-corrosive gas

Sizes & Connections

Sizes	DN20 – DN25
Type	Gas female threaded – G3/4", G1" ISO 228/1 (NPT on request)

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Description components	Material
- 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 gAvilar	Spring Code Itron	Spring Color	Wire (ø mm)	Spring Range
60043	955-200-96	Light Blue	2.9	0,2 – 1,0 bar
60044	955-201-11	Red	3.4	0,4 – 1,6 bar
60045	955-200-87	White	3.8	1,0 – 3,5 bar
60046	955-200-97	Brown	4.2	2,0 – 6,0 bar
60047	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 155D is approved by the German DVGW for a relief set pressure range from 0,5 -9,5 bar.

Information to be specified when ordering:

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

Standard conditions:

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

Overall Dimensions

