

SRV 285D

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

Features

- Compact Design
- Economical
- Durable
- Approved by German DVGW



The 285 D relief valve is installed downstream of pressure regulators to relieve limited volumes of gas. This valve may be used where venting to the atmosphere is acceptable and some pressure relieving tolerance is acceptable.

Description

The 285 D relief valve is a spring-loaded relief valve, where inlet pressure registers directly on a spring-opposed poppet assembly which includes a nitrile disc. When the inlet gas pressure increases above the spring setting, the poppet and disc assembly are pushed away from the orifice.

Technical Features

| | |
|---------------------------------|--|
| Maximum relief (inlet) pressure | 100 bar |
| Relief set pressure range | 2,5 to 16,0 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 |
| Type | Gas female threaded – G3/4", ISO 228/1 |

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| Description components | Material |
|------------------------|--------------------------|
| - Body | Brass |
| - Orifice | Brass |
| - Internal parts | Brass, Steel zinc coated |
| - Poppet disc | NBR rubber |

Relief Set Pressure Ranges

| Spring Code gAvar | Spring Code ltron | Spring Color | Wire (ø mm) | Spring Range |
|----------------------|----------------------|--------------|-------------|----------------|
| 62014 | 955-200-23 | Blue | 1.6 | 2,5 – 5,0 bar |
| 62015 | 955-201-51 | Dark Blue | 2.25 | 4,0 – 10,0 bar |
| 62016 | 955-200-94 | Blue | 2.0 | 9,0 – 16,0 bar |

Accuracy

Accuracy at the initial leak point, at which the relief valve begins to discharge, is in the range of $\pm 10\%$ of the setting.

Flow capacity

| Relief Set Pressure (bar) | Buildup Over Relief Pressure Setting (bar) | Capacity at Standard Conditions (m ³ /h) |
|-------------------------------------|--|--|
| 2,5 | 3 | 250 |
| 3,0 | 4 | 310 |
| 4,0 | 5 | 370 |
| 6,0 | 7 | 460 |
| 8,0 | 9 | 650 |

SRV 285D is approved by the German DVGW for a relief set pressure range from 2,5 -16,0 bar.

Information to be specified when ordering:

- ❖ Model
- ❖ Inlet pressure
- ❖ Relief pressure range
- ❖ 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

