



# SRV 285 D

## Safety Relief Valve

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.

### KEY BENEFITS

- » Compact design
- » Economical
- » Durable
- » Approved by German DVGW

### 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 disk. When the inlet gas pressure increases above the spring setting, the poppet and disk assembly are pushed away from the orifice.

### Technical Specifications

Maximum relief (inlet) pressure	100 bar
Relief set pressure range	2.5 - 16.0 bar
Operating temperature	-20°C to +60°C
Acceptable gases	Natural gas, propane, butane, air, nitrogen and all non-corrosive gas

### Sizes & Connections

Sizes	DN 20
Type	Gas female threaded G 3/4", ISO 228/1

### Materials

Body	Brass
Orifice	Brass
Internal parts	Brass, Steel, zinc coated
Seals / O-Rings	NBR rubber / Viton

### Relief Set Pressure Ranges

Spring Code	Spring Color	Wire (Ø mm)	Spring Range
955-200-23	Blue	1.6	2.5 - 5.0 bar
955-200-51	Dark-Blue	2.25	4.0 - 10.0 bar
955-200-94	Blue	2.0	9.0 - 16.0 bar

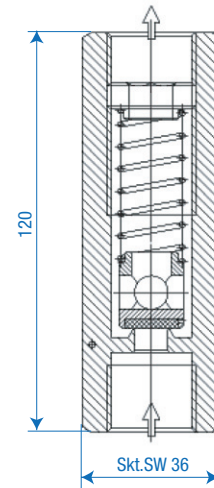
### Accuracy

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 <sup>3</sup> /h)
2.5	1	250
3.0	1	310
4.0	1	370
6.0	1	460
8.0	1	650

### 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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