



227.55

Proportional safety valves

227.44 .. 227.55 .. 227.66
G 3/8 G 1/2 G 3/4

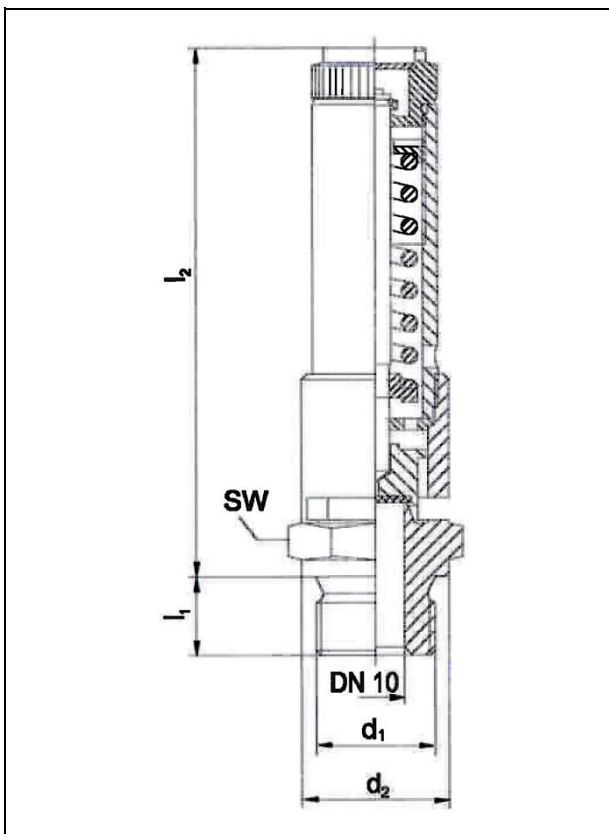
DN 10
PN 50

-25°C to +180°C
(1.4401 body: -10 to +180°C)

Type test approval mark
TÜV·SV·15·882·10·D/G·αw·p



Dimensions [mm]



| Male thread (d ₁) | Set pressure range [bar] | d ₂ | l ₁ | | l ₂ | a/f |
|-------------------------------|--------------------------|----------------|----------------|-----|----------------|-----|
| | | | [mm] | | | |
| G 3/8 A | 0.20- 8.51 | 22 | 12 | 75 | | 27 |
| | 8.52-40.00 | | | 95 | | |
| | 40.01-50.00 | | | 120 | | |
| G 1/2 A | 0.20- 8.51 | 26 | 14 | 75 | | |
| | 8.52-40.00 | | | 95 | | |
| | 40.01-50.00 | | | 120 | | |
| G 3/4 A | 0.20- 8.51 | 32 | 16 | 75 | | 32 |
| | 8.52-40.00 | | | 95 | | |
| | 40.01-50.00 | | | 120 | | |

Description

- Open bonnet design, free blow-off
- Valve seat with elastic seal
- Knurled screw for lifting the valve
- Connection with male thread
- Safety valves supplied with a sealed lead disc and already adjusted
- Type test approval mark TÜV
- Single TÜV approval (DIN EN 10204 / German Lloyd) **(additional charge)**

Materials

| Part | Material No. | Standard | Surface protection |
|-----------------|--------------|--------------------------|--------------------|
| Seat fixing | 2.0401 | CuZn39Pb3 DIN 17672 | Nickel-plated |
| Spring housing | 2.0401 | CuZn39Pb3 DIN 17672 | on request |
| Valve seat seal | -- | FPM | |
| Pressure spring | 1.4568 | X7CrNiAl177 DIN 17224 | |

Stainless steel safety valves (optional)

| Part | Material No. | |
|-----------------|--------------|--------|
| Seat fixing | 1.4401 | 1.4571 |
| Spring housing | 1.4401 | 1.4571 |
| Valve seat seal | FPM | |
| Pressure spring | 1.4568 | 1.4568 |

Discharge capacities

| p_e [bar] | Q_m [m ³ /h] at 0 °C / 760 Torr | p_e [bar] | Q_m [m ³ /h] at 0 °C / 760 Torr | p_e [bar] | Q_m [m ³ /h] at 0 °C / 760 Torr |
|----------------|--|----------------|--|----------------|--|
| 0.3 | 24.0 | 15 | 649.2 | 34 | 1425.3 |
| 0.8 | 59.4 | 16 | 690.0 | 35 | 1466.2 |
| 1.3 | 76.9 | 17 | 730.8 | 36 | 1507.0 |
| 1.8 | 94.5 | 18 | 771.7 | 37 | 1547.8 |
| 2.3 | 112.1 | 19 | 812.6 | 38 | 1588.7 |
| 2.8 | 129.5 | 20 | 853.4 | 39 | 1629.5 |
| 3.3 | 147.1 | 21 | 894.3 | 40 | 1670.4 |
| 3.8 | 164.1 | 22 | 935.1 | 41 | 1711.3 |
| 4 | 199.8 | 23 | 975.9 | 42 | 1752.1 |
| 5 | 240.7 | 24 | 1016.8 | 43 | 1792.9 |
| 6 | 281.5 | 25 | 1057.7 | 44 | 1833.8 |
| 7 | 322.4 | 26 | 1098.5 | 45 | 1874.6 |
| 8 | 363.3 | 27 | 1139.4 | 46 | 1919.5 |
| 9 | 404.0 | 28 | 1180.2 | 47 | 1956.4 |
| 10 | 444.9 | 29 | 1221.1 | 48 | 1997.2 |
| 11 | 485.8 | 30 | 1261.9 | 49 | 2038.1 |
| 12 | 526.6 | 31 | 1302.7 | 50 | 2078.9 |
| 13 | 567.5 | 32 | 1343.6 | | |
| 14 | 608.3 | 33 | 1384.5 | | |

The specified blow-off rates are achieved if the pressure rises 10% above the set pressure

Special versions

- Single TÜV approval (DIN EN 10204 / German Lloyd) **(additional charge)**
- **Special settings**
- Nickel-plated brass
- **Stainless steel (1.4401 or 1.4571)**
- Other male threads
- Unsealed

Other information

- **Body material 1.4401 – temperature range -10 to +180°C**
- Jet deflection ring (optional)
- This product must be installed and operated in accordance with the installation and operating instructions, safety information and any relevant regulations and standards!