



227.55

Proportional safety valves

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

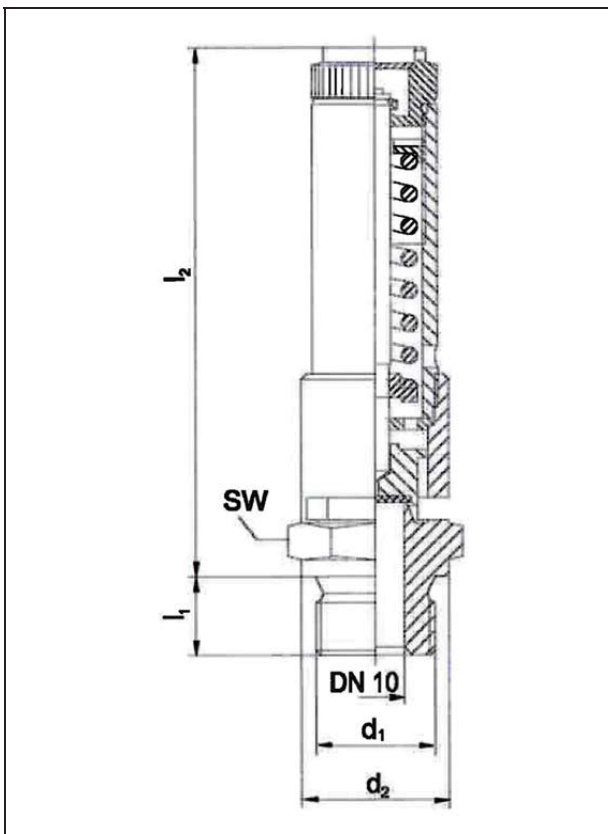
DN 10
PN 50

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

Type test approval mark
TÜV·SV·10·882·10·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		27
	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!