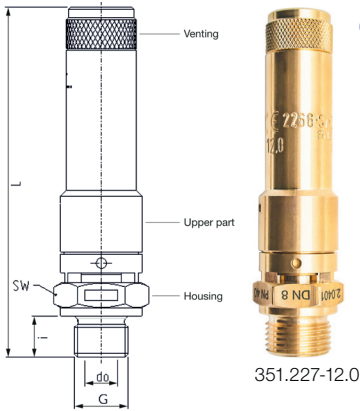




## Component-tested safety valves DN 8

Factory-set and secured safety valves are supplied with component identification. The pressure can be specified in 0.1 bar steps. Applied standards and regulations: DIN EN ISO 4126-1, AD 2000-Handout A2, DGR 2014/68/EU.



Standard version: with indication of the specific setting pressure\*

Thread G	Dimensions (mm)				Setting pressure range (bar)	Order No.
	L	i	SW (AF)	do		
G 1/4	85	10	20	8	1-1.5	351.221-*
G 1/4	85	10	20	8	1.6-2	351.222-*
G 1/4	85	10	20	8	2.1-3	351.223-*
G 1/4	85	10	20	8	3.1-5	351.224-*
G 1/4	85	10	20	8	5.1-7	351.225-*
G 1/4	85	10	20	8	7.1-9	351.226-*
G 1/4	85	10	20	8	9.1-15	351.227-*
G 1/4	90	10	20	8	15.1-20	351.421-*
G 1/4	90	10	20	8	20.1-27	351.422-*
G 1/4	90	10	20	8	27.1-40	351.423-*
G 3/8	85	10	20	8	1-1.5	351.241-*
G 3/8	85	10	20	8	1.6-2	351.242-*
G 3/8	85	10	20	8	2.1-3	351.243-*
G 3/8	85	10	20	8	3.1-5	351.244-*
G 3/8	85	10	20	8	5.1-7	351.245-*
G 3/8	85	10	20	8	7.1-9	351.246-*
G 3/8	85	10	20	8	9.1-15	351.247-*
G 3/8	90	10	20	8	15.1-20	351.441-*
G 3/8	90	10	20	8	20.1-27	351.442-*
G 3/8	90	10	20	8	27.1-40	351.443-*
G 1/2	87	12	24	8	1-1.5	351.251-*
G 1/2	87	12	24	8	1.6-2	351.252-*
G 1/2	87	12	24	8	2.1-3	351.253-*
G 1/2	87	12	24	8	3.1-5	351.254-*
G 1/2	87	12	24	8	5.1-7	351.255-*
G 1/2	87	12	24	8	7.1-9	351.256-*
G 1/2	87	12	24	8	9.1-15	351.257-*
G 1/2	92	12	24	8	15.1-20	351.451-*
G 1/2	92	12	24	8	20.1-27	351.452-*
G 1/2	92	12	24	8	27.1-40	351.453-*

### Notice

The supply line to the safety valve should not be < DN 8, the pressure drop in the supply line may not be > 3%. The set pressure must be specified when ordering!

\* Sample order no. with specific setting pressure 4.7 bar 351.224-4.7 (see order key), with production certificate 351.224-4.7E, with certificate of inspection 351.224-4.7T

### Blow-off rates air

The specified blow-off quantities are reached at a pressure increase of 10 % over the setting pressure.

Setting pressure (bar)**	Air blow-off rate (normal condition)	
	m <sup>3</sup> /h	l/min
1	23.5	394
2	35.5	592
4	59	985
6	63	1,380
8	106	1,773
10	130	2,168
12	154	2,562
14	177	2,957
16	201	3,350
18	225	3,745
20	248	4,138
22	272	4,533
25	307	5,124
30	367	6,110
35	426	7,095
40	485	8,080

\*\*intermediate values can be interpolated

### Order key for all variants

351.XXX-\*(X)X.X X(X)

without test certificate (standard, without addition)  
 T certificate of inspection 3.2 acc. to EN 10204:2004  
 E production certificate 2.2 acc. to EN 10204:2004  
 ET production certificate and certificate of inspect. acc. to EN 10204:2004

1.0-40.0 specific setting pressure (1.0-40.0 bar)

Setting pressure range

### Technical data

Thread	G 1/4	G 3/8	G 1/2
Operating temperature	-10 °C up to +180 °C		
Adjustment range	1-40 bar (10 Levels)		
Opening pressure difference	< 10 %		
Closing pressure difference	< 10 % (under 3 bar ≤0.3 bar)		
Mounting position	vertically		
Material housing/ seal/ spring	brass/FKM (Viton)/stainless steel		
Max. tightening torque (valve installation)	15 Nm	25 Nm	35 Nm

### Definition of terms

#### Setting pressure:

= Response pressure: start of audible blow-off

#### Opening pressure:

Valve fully open, max. blow-off volume

#### Closing pressure:

Valve closed and sealed

#### Opening pressure difference:

Difference between set pressure and opening pressure

#### Closing pressure difference:

Difference between set pressure and closing pressure

#### Example:

Setting pressure 12 bar  
 Opening pressure (+10 %) 13.2 bar  
 Closing pressure (-10 %) 10.8 bar

### Component symbols

CE2266 SV 02 2 8 D/G 0.32 P

setting pressure (bar)

flow coefficient

suitable for gases and vapours

narrowest flow diameter (mm)

component number

year of approval

safety valve

designated (german) inspection agency