

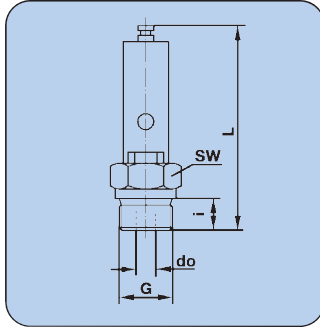


Component-Tested Safety Valve DN6 Safety Valves



ewo

9



Safety valves serve to blow out non-poisonous and non flammable gases into the atmosphere in order to protect pressure tanks against overpressure.

Please note: Only safety valves that have been set and sealed by us can be delivered with the component symbols, it is thus absolutely necessary to indicate the setting pressure in bar. As functional test, safety valves may be aerated by the way of pulling the haul-off bolt. Repairs may only be carried out by the manufacturer.



Technical Data

Connection thread	G 1/4, G 3/8
Max. operating pressure	24 bar (PN24)
Operating temperature	-10 °C up to +150 °C
Setting range	4,5 up to 24 bar (5 steps)
Opening pressure difference	< 10 %
Closing pressure difference	< 10 %
Material	brass
Seal	FKM (viton)
locking torque	13 Nm

Important: The supply connection to the safety valve should not be < DN6, the pressure drop in the supply connection not > 3 %

Tread W	Dimensions [mm]					Set pressure bar	Order No.
	L	i	SW	do			
G 1/4	65	10	17	6	4,5 - 7,0		469.23
					7,0 - 10,0		469.24
					10,0 - 13,0		469.25
					13,0 - 18,0		469.26
					18,0 - 24,0		469.27
G 3/8	65	10	19	6	4,5 - 7,0		469.33
					7,0 - 10,0		469.34
					10,0 - 13,0		469.35
					13,0 - 18,0		469.36
					18,0 - 24,0		469.37

Component symbols

CE0685	SV	02	3	6	D/G	0,4	P	
								Pressure setting (bar)
								Flow factor
								suitable for gases and vapors
								narrowest flow diameter (mm)
								Component number
								Year of approval
								Safety valve
								German Technical Inspection
								In this case: DEKRA

Definitions

Set pressure =	
start-to-leak pressure	Beginning of audible leaking
Opening pressure	Valve completely open, maximum blow-off / deflation
Closing pressure	Valve is closed and sealed (tight)
Opening pressure difference	Difference between start-to-leak pressure and opening pressure
Closing pressure difference	Difference between start-to-leak pressure and closing pressure
For example:	Set pressure 12,0 bar
	Opening pressure (+10%) 13,2 bar
	Closing pressure (-10%) 10,8 bar

Exhaust Capacity Air

The exhaust capacities indicated in the table are the minimum values reached when air pressure is raised by 10 % above the set pressure.

Set pressure bar	exhaust flow capacity (normal condition)	
	m³/h	l/min
6	45,5	763
10	92	1540
11	100	1681
14	126	2104
16	143	2387
18	160	2696
20	177	2551
22	194	3234
24	211	3516

Intermediate values can be interpolated.