

→ **Type 1960 / 1965**



■ SUITABLE FOR

Air, gases and vapours	neutral	
Steam		

■ EXAMPLES OF USE

Vent valve for pipelines, pipeline systems, vessels and heat exchangers, in which the pressure should not fall below atmospheric pressure.

- Vessel emptying
- Protection against vacuum build-up in tanks, piping systems, heat exchangers and vessels in steam plants

■ NOMINAL DIAMETERS, CONNECTIONS, INSTALLATION DIMENSIONS

Type 1960 / 1965: Connection, Installation dimensions, Weight							
Nominal diameter	DN	1960			1965		
		15	20	25	15	20	25
	PN	40					
Screw-in connection thread	G	1/2" (15)	3/4" (20)	1" (25)	1/2" (15)	3/4" (20)	1" (25)
Inlet aperture (threaded)	G1	1/4" (8)	1/2" (15)	3/4" (20)	1/4" (8)	1/2" (15)	3/4" (20)
Installation dimensions in mm	H	55,4	63,4	69	109,4	117	123
	H1	15	17	19	15	17	19
	A	36	52	64	36	52	64
	SW	36	52	64	36	52	64
Weight	kg	0,37	0,80	1,26	0,65	1,31	2
Range of adjustment	mbar	-6	-6	-6	-100 – -800	-100 – -800	-100 – -800

■ MATERIAL



■ SPECIFICATION



1/2" to 1"



-60°C to + 225°C

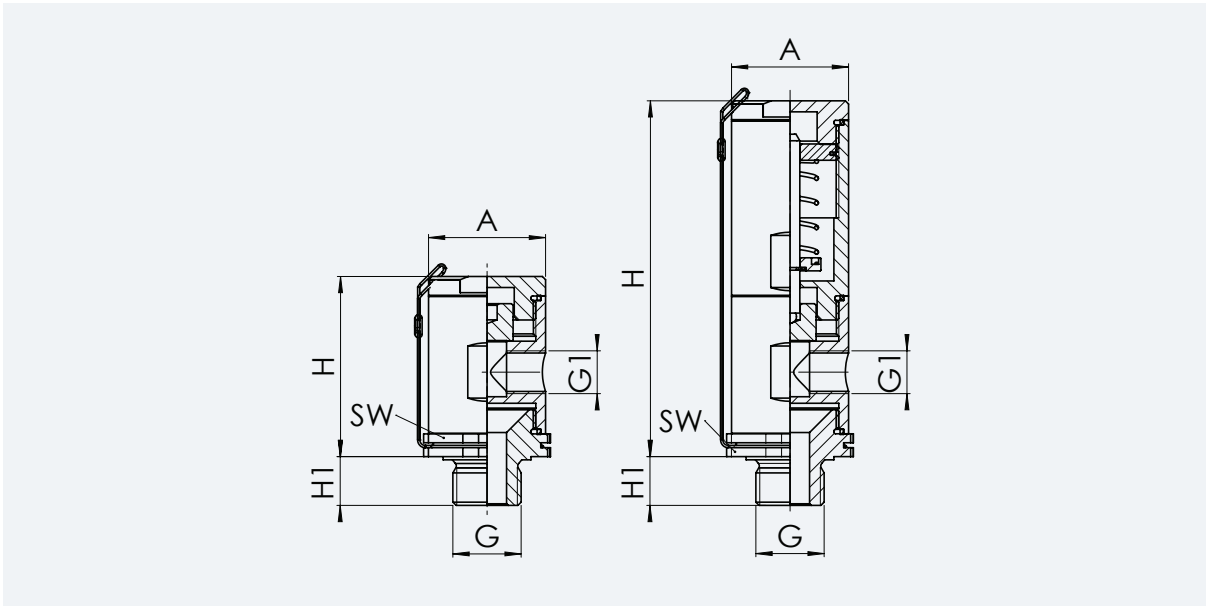


-6 mbar to -800 mbar

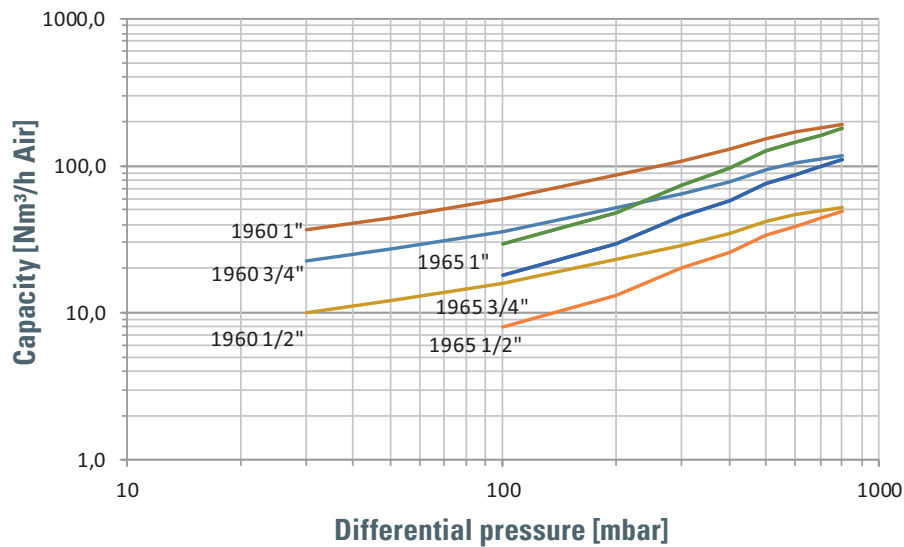
■ MATERIALS

Component	Material	DIN EN	ASME
Inlet body	Brass	CW617N	CW617N
Outlet body	Brass	CW617N	CW617N
Internal parts	Brass	CW617N	CW617N
Primary Seal	PTFE	PTFE	PTFE
Secondary Seal	PTFE	PTFE	PTFE

Type 1960/1965 ■ MAIN DIMENSIONS, INSTALLATION DIMENSIONS



■ CAPACITY CHART



Conversion: $\text{Nm}^3/\text{h} \times \frac{1000}{3600} = \text{NI/s}$

Type 1960 opening at -6 mbar (=0,994 bar abs.)

The flow rate increases with rising differential pressure.

Example size 1":

The flow rate at a differential pressure of 60 mbar amounts to 50 Nm³/h air which corresponds to 13.9 NI/s

The flow rate at a differential pressure of 200 mbar amounts to 82 Nm³/h air which corresponds to 22.8 NI/s

Type 1965 adjustable from -100 up to -800 mbar (from 0.9 to 0.2 bar abs.)

The flow rate is independent of the set pressure, however it increases with rising differential pressure.

Example size 1/2":

The flow rate at a differential pressure of 100 mbar amounts to 8 Nm³/h air which corresponds to 2.2 NI/s

The flow rate at a differential pressure of 400 mbar amounts to 26 Nm³/h air which corresponds to 7.2 NI/s