

# → Type 1960 / 1965

## Type 1960 / 1965

Vent valve made of  
brass with threaded  
connection



### ■ MATERIAL



### ■ SPECIFICATION



1/2" to 1"



-60°C to + 225°C



-6 mbar to  
-800 mbar

### ■ 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	

### ■ MATERIALS

Component	Material	DIN EN	ASME
Inlet body	Brass	CW617N	CW617N
Outlet body	Brass	CW617N	CW617N
Internal parts	Brass	CW617N	CW617N

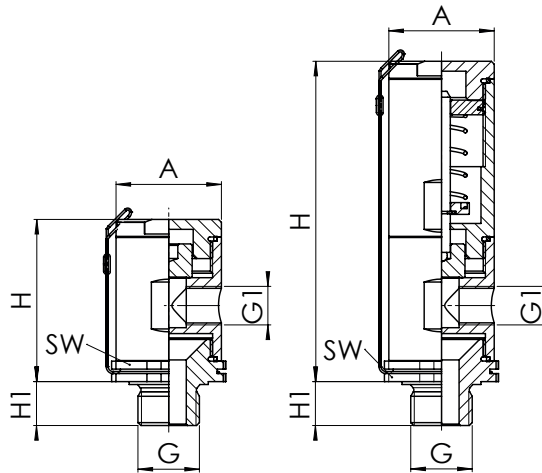
### ■ THREADED INLET / THREADED SUCTION CONNECTION

m/f	Standard	Male thread BSP-P / Female thread BSP-P	DIN EN ISO 228-1 / DIN EN ISO 228-1
f/f		Female thread BSP-P / Female thread BSP-P	DIN EN ISO 228-1/DIN EN ISO 228-1
NPTm/f		Male thread NPT / Female thread BSP-P	ANSI B 1.20.1/DIN EN ISO 228-1
BSP-Tm/f		Male thread BSP-T / Female thread BSP-P	DIN EN 10226, ISO 7-1/DIN EN ISO 228-1

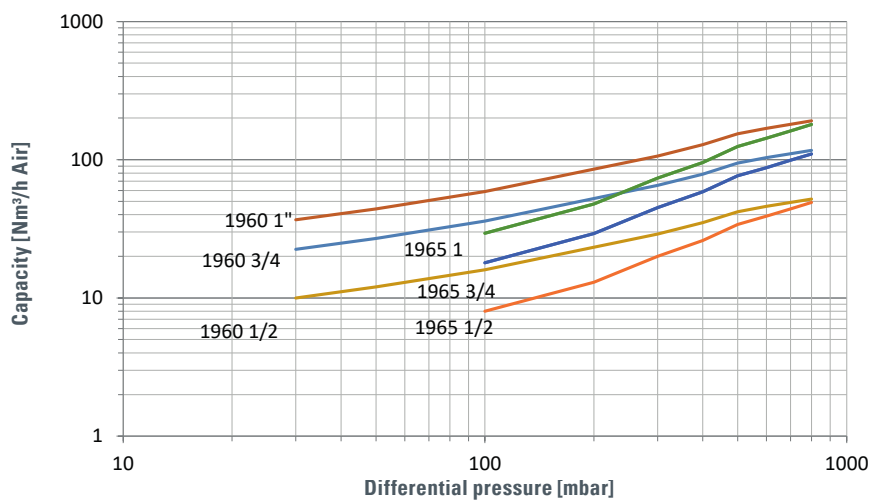
## ■ SEALS

Primary seal	PTFE	Polytetrafluoroethylene	-60°C to +225°C
Primary seal	MD	Metallic seal	-60°C to +225°C
Secondary seal	PTFE	Polytetrafluoroethylene	-60°C to +225°C

## Type 1960/1965 ■ MAIN DIMENSIONS, INSTALLATION DIMENSIONS



## ■ CAPACITY CHART



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

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 Nm<sup>3</sup>/h air which corresponds to 13.9 NI/s

The flow rate at a differential pressure of 200 mbar amounts to 82 Nm<sup>3</sup>/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 Nm<sup>3</sup>/h air which corresponds to 2.2 NI/s

The flow rate at a differential pressure of 400 mbar amounts to 26 Nm<sup>3</sup>/h air which corresponds to 7.2 NI/s