Type 1940 / 1945

Vent valve made of stainless steel with threaded connection

→ Type 1940 / 1945



■ MATERIAL



■ SPECIFICATION



1/2" to 1"







-6 mbar to -800 mbar

■ SUITABLE FOR



■ 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

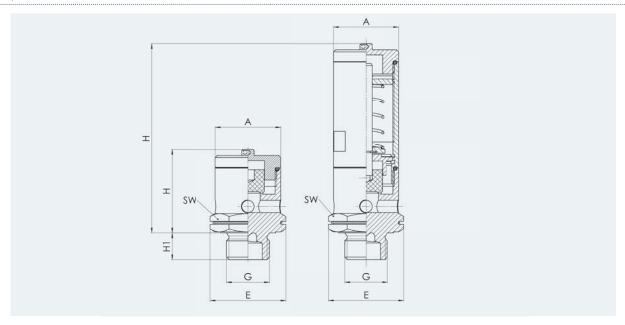
Type 1940 / 1945: Connection, Installation dimensions, Weight								
		1940			1945			
Nominal diameter	DN	15	20	25	15	20	25	
	PN	40	40	40	40	40	40	
Inlet / Outlet Installation dimen- sions in mm	G	1/2" (15)	3/4" (20)	1" (25)	1/2" (15)	3/4" (20)	1" (25)	
	Н	41	44	54	93	96	106	
	H1	13	13	15	13	13	15	
	Е	37	53	69	37	53	69	
	Α	32	46	60	32	46	60	
	SW	32	46	60	32	46	60	
Weight	kg	0,19	0,40	0,85	0,35	0,64	1,41	
Range of adjustment	mbar	-6	-6	-6	-100 to -800	-100 to -800	-100 to -800	

■ MATERIALS

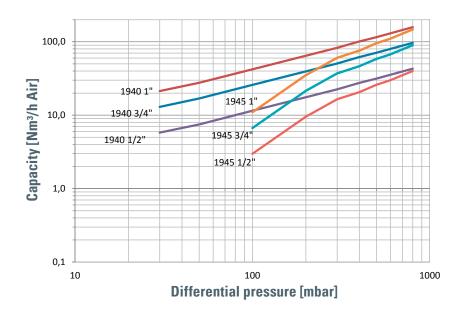
Component	Material	DIN EN	ASME
Inlet body	Stainless steel	1.4404	316L
Outlet body	Stainless steel	1.4404	316L
Internal parts	Stainless steel	1.4404	316L
Primary Seal	PTFE / PTFE + carbon	PTFE / PTFE + carbon	PTFE / PTFE + carbon
Secondary Seal	EPDM	EPDM	EPDM



Type 1940/1945 ■ MAIN DIMENSIONS, INSTALLATION DIMENSIONS



■ CAPACITY CHART



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

Type 1940 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 30 Nm³/h air which corresponds to 8,3 Nl/s

The flow rate at a differential pressure of 200 mbar amounts to 65 Nm3/h air which corresponds to 18,1 Nl/s

Type 1945 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 3 Nm³/h air which corresponds to 0.8 Nl/s

The flow rate at a differential pressure of 400 mbar amounts to 20 Nm³/h air which corresponds to 5.6 Nl/s.

