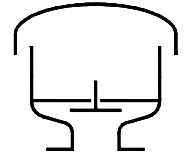
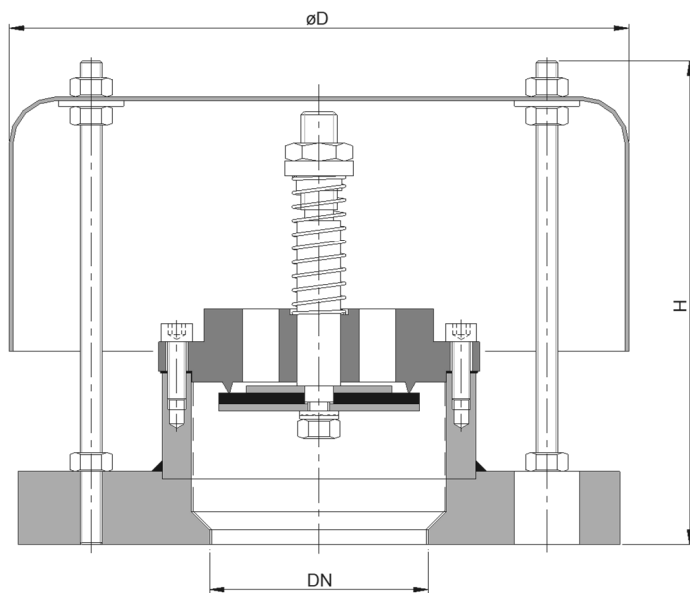


Type sheet
 Vacuum relief valve
KITO® VS/oP-...

Application

As end-of-line armature on storage tanks and silos in which powder products and granulates are stored. Ventilation is provided to prevent dangerous vacuum. All moving parts are outside the storage room.

Dimensions (mm) and settings (mbar)


DIN	DN	ASME	D	H	kg	setting
25 PN 40		1"	205	130	3	2 - 50
50 PN 16		2"	170	133	5	
80 PN 16		3"	285	170	8	
100 PN 16		4"	330	180	10	
125 PN 16		5"	295	240		
150 PN 16		6"	350	248	26	
200 PN 10		8"	550	308	36	
250 PN 10		10"	550	350		

Indicated weight refers to the standard design

Example for order

KITO® VS/oP-50
 (design with flange connection DN 50 PN 16)

Without EC certificate and CE-marking

Type sheet
 Vacuum relief valve
KITO® VS/oP-...

Design

	standard	optionally
housing	steel	stainless steel mat. no.1.4571
inner face of housing	PTFE-coated	
gasket	HD 3822	PTFE
valve seat, valve spindle	stainless steel mat. no. 1.4571	
valve sealing	NBR	Viton, PTFE
compression spring	stainless steel mat. no. 1.4310	
weather hood	stainless steel mat	
flange connection	drilled to EN 1092-1 type A	drilled to ASME B16.5 Class 150 RF
<i>(partial with threaded holes for stud bolts)</i>		

Performance curves

Flow capacity V based on air of a density $\rho = 1.29 \text{ kg/m}^3$ at $T = 273 \text{ K}$ and atmospheric pressure $p = 1.013 \text{ mbar}$. For other gases the flow can be approximately calculated by

$$\dot{V}_{40\%} = \dot{V}_b \cdot \sqrt{\frac{\rho_b}{1.29}} \quad \text{or} \quad \dot{V}_b = \dot{V}_{40\%} \cdot \sqrt{\frac{1.29}{\rho_b}}$$

The indicated flow rates will be reached by an accumulation of 40% above valve's setting (see DIN 4119).
 If the allowable overpressure is less 40%, please consult der factory for the corrected volume flow.

