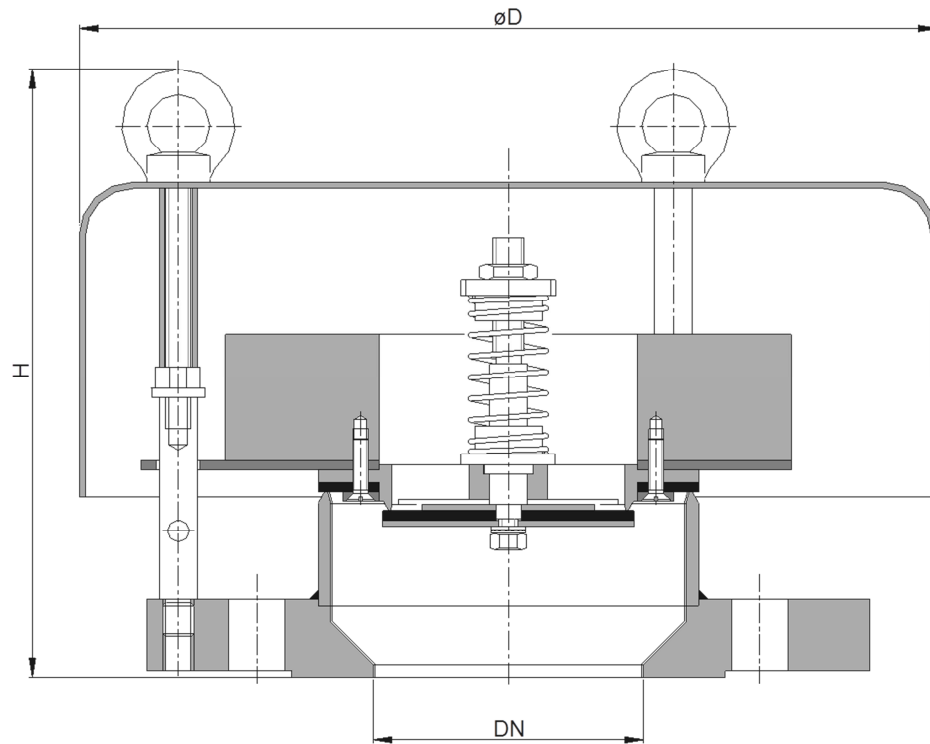
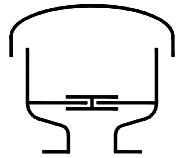


# Combined Pressure / Vacuum Relief Valve KITO® VD/oP



Without EC certificate and € -designation

DN	D	H	kg*	vacuum	pressure
50 PN 16	260	180	6.5	3-50 mbar	12.5 - 84 mbar
80 PN 16	340	220	11.5	3-50 mbar	12 - 123 mbar
100 PN 16	340	225	13.5	3-50 mbar	13 - 105 mbar
125 PN 16	295	245	16	3-50 mbar	11.5 - 92 mbar
150 PN 16	350	300	29	3-50 mbar	10 - 47 mbar
200 PN 10	410	360	37	3-50 mbar	10 - 52 mbar
250 PN 10	550	465	81	3-50 mbar	14 - 82 mbar
300 PN 10					
350 PN 10					

Dimensions in mm

\* Indicated weights are understood without weight load and refer to the standard design.

Standard valve setting to 30 mbar (pressure) -different settings against additional price-

Design subject to change

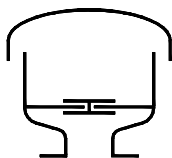
performance curves: E 0.17.4 N

### Standard design

housing	: steel, stainless steel mat. no. 1.4571 (valve face mat. no. 1.4571)
inner faces of the housing:	coated with PTFE
valve parts / spindle	: stainless steel mat. no. 1.4571
gasket	: NBR, Viton, PTFE
weather hood	: stainless steel mat. no. 1.4301 or 1.4571
flange connection	: DIN EN 1092-1 (threaded holes for stud bolts at DN 150 u. 250)

### Application

As end-of-line armature on storage tanks and silos in which powder products and granulates are stored.  
Used as venting and breather device to prevent inadmissible pressure or vacuum.  
All moving parts are outside the storage room.

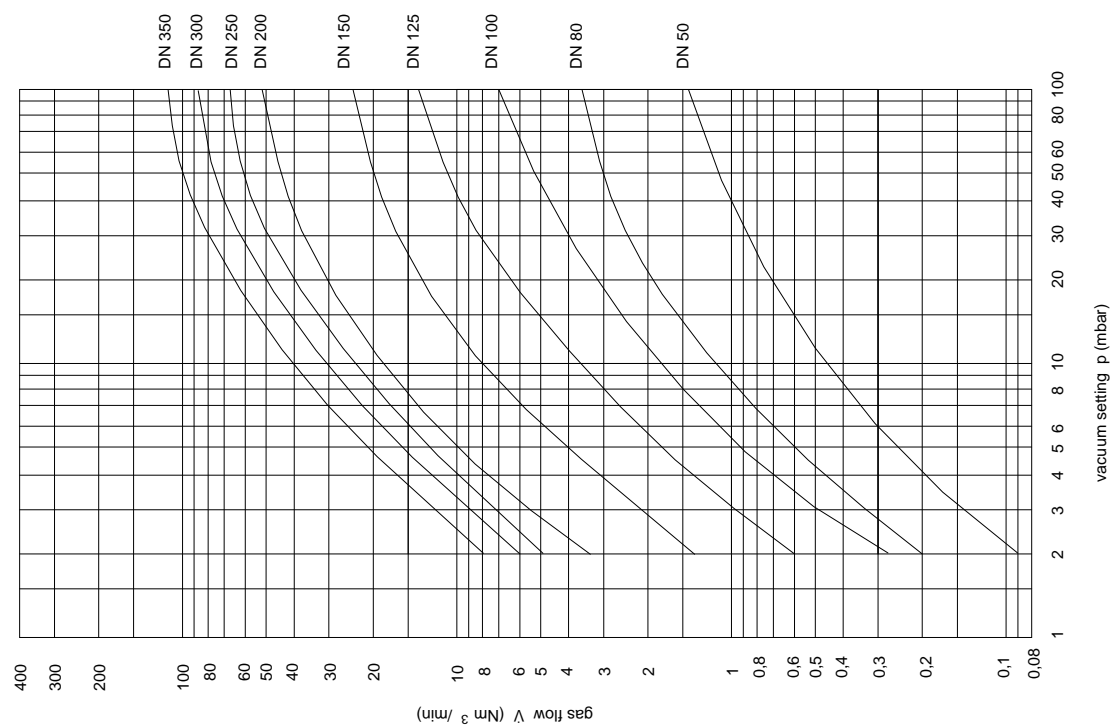
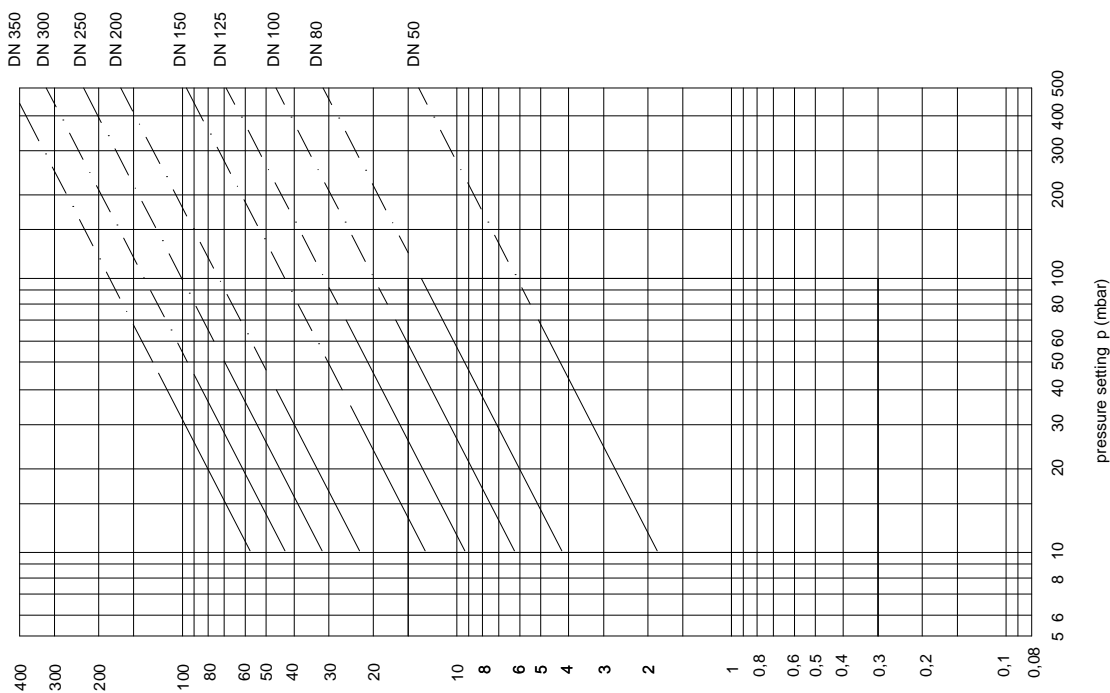


# Combined Pressure / Vacuum Relief Valve KITO® VD/oP E 17.4 N

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

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

Air flow capacity at 40% above valve setting (see DIN 4119).  
Curves indicated by require special weight loads.



Design subject to change