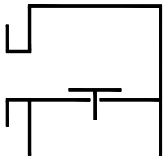
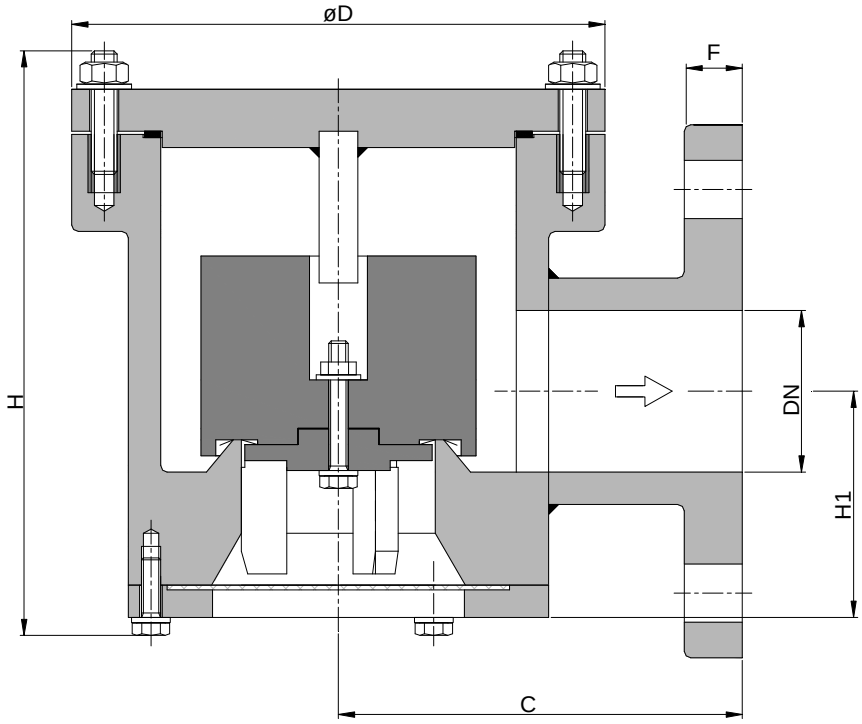
Vacuum Relief Valve
KITO® VS/ScS





Without EC certificate and CE-designation

DN	C	D	H	H1	F	setting (mbar)		kg
						min.*	max.**	
25 PN 40	120	130	167	50	16	3.1	85	1.3
50 PN 16	125	165	186	70	18	2.4	84	2.5
80 PN 16	150	210	234	96	20	2.4	75	3.5
100 PN 16	175	245	284	115	24	2.3	44	5.5
150 PN 16	250	320	350	158	26	2.3	23	13
200 PN 10	275	394	435	210	28	2.7	15	

Dimensions in mm

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

Standard valve setting 3-30 mbar - different settings against additional price -

* Material : PE (up to13 mbar)
** Material : PE/lead filled

Design subject to change

performance curves: K 0.5 N

Standard design

housing : polyethylene (PE), polypropylene (PP)
valve disc / guidance : polyethylene (PE), polypropylene (PP)
sealing foil : FEP
gasket : Gylon
bolts / nuts : Hastelloy C4, PEEK (inside), A2 (outside)
filter screen : polyethylene (PE), polypropylene (PP)
connection : flange DIN EN 1092-1 form A, weld end

Application

Not explosion-proof valve to prevent dangerous vacuums in tank installations.
For installation on tank roofs, if desired by the customer, in connection with a pressure valve.

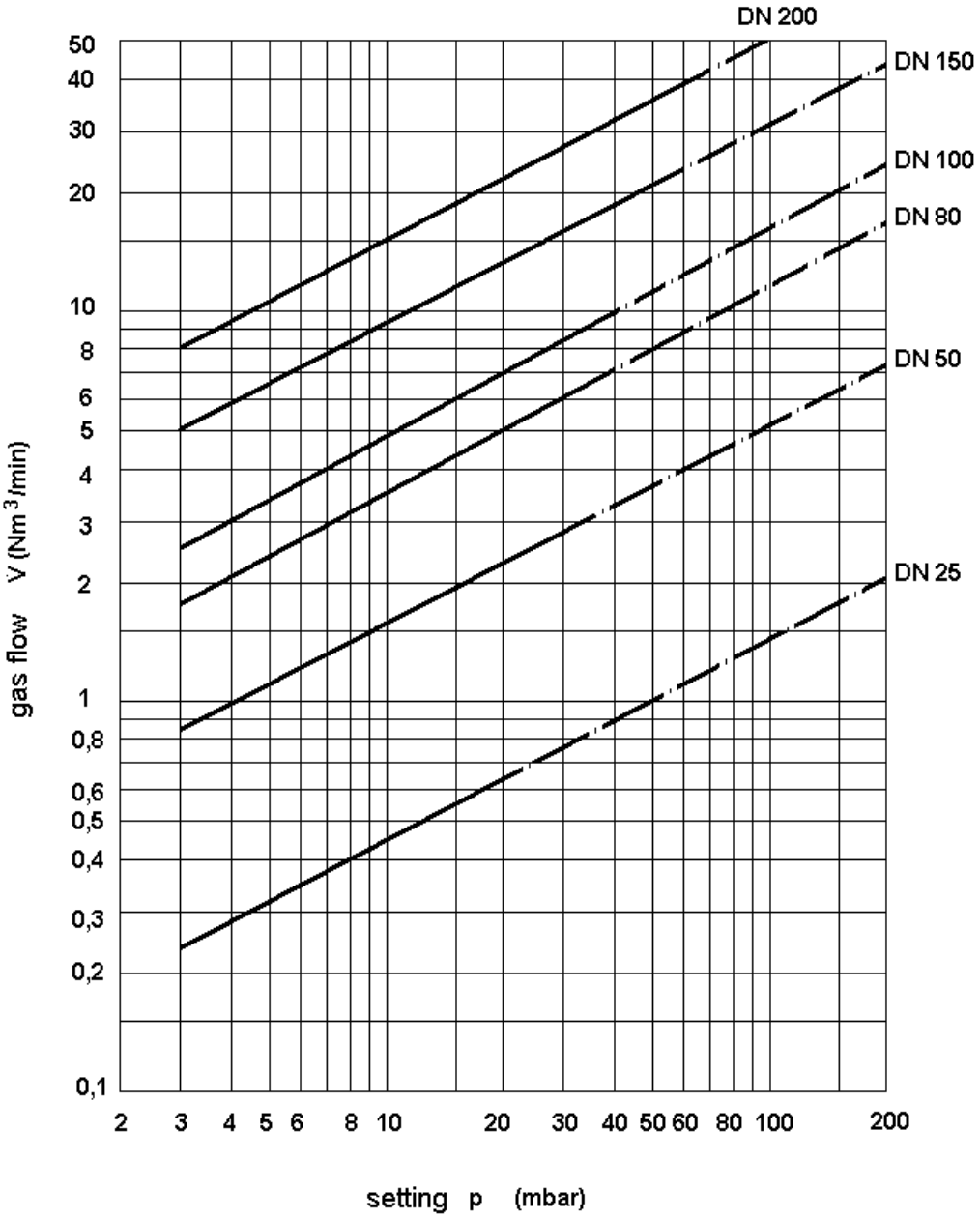
Not suitable for flammable media.

Flow capacity V based on air of a density ρ = 1.29 kg/m³ at T = 273 K and atmospheric pressure p = 1.013 mbar

For other gases the flow can be approximately calculated by

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

Air flow capacity at 40% above valve setting (see DIN 4119). If different accumulations are required see page A 31.
Curves indicated by _._._._._ require special weight loads



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