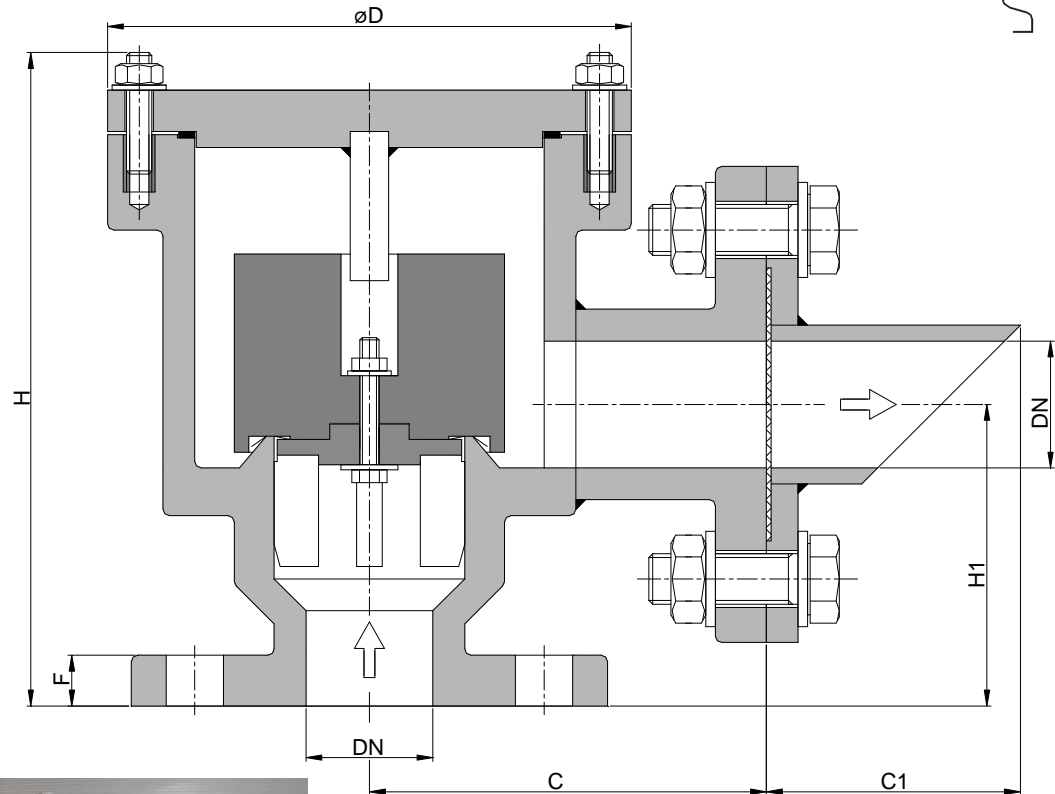
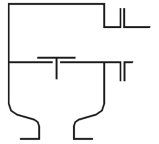


Pressure Relief Valve KITO® DS/ScS



Without EC certificate and C E -designation

DN	C	C1	D	H	H1	F	setting (mbar)		kg
							min.*	max.**	
25 PN 40	120	70	130	173	62	16	3.1	85	2.5
50 PN 16	125	100	165	190	80	18	2.4	84	2.5
80 PN 16	150	125	210	231	101	20	2.4	75	3.5
100 PN 16	175	150	245	293	120	24	2.3	44	8.5
150 PN 16	250	250	320	348	162	26	2.3	23	
200 PN 10	275	300	394	435	215	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 to 13 mbar)

** Material : PE/lead filled

Design subject to change

performance curves: K 0.3 N

Standard design

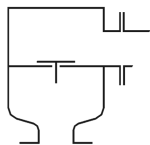
housing	: polyethylene (PE), polypropylene (PP)
valve disc / guidance	: polyethylene (PE), polypropylene (PP)
sealing foil	: FEP
gasket	: Gylon
bolts / nuts	: Hastelloy C4, PEEK (inside), A2 (outside)
filter screen	: polyethylene (PE), polypropylene (PP)
connection	: flange DIN EN 1092-1 form A, weld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

Application

Not explosion-proof valve to prevent dangerous pressures in tank installations.

Valve is mounted on the tank roof, if desired by the customer, in connection with a vacuum valve.

Not suitable for flammable media.



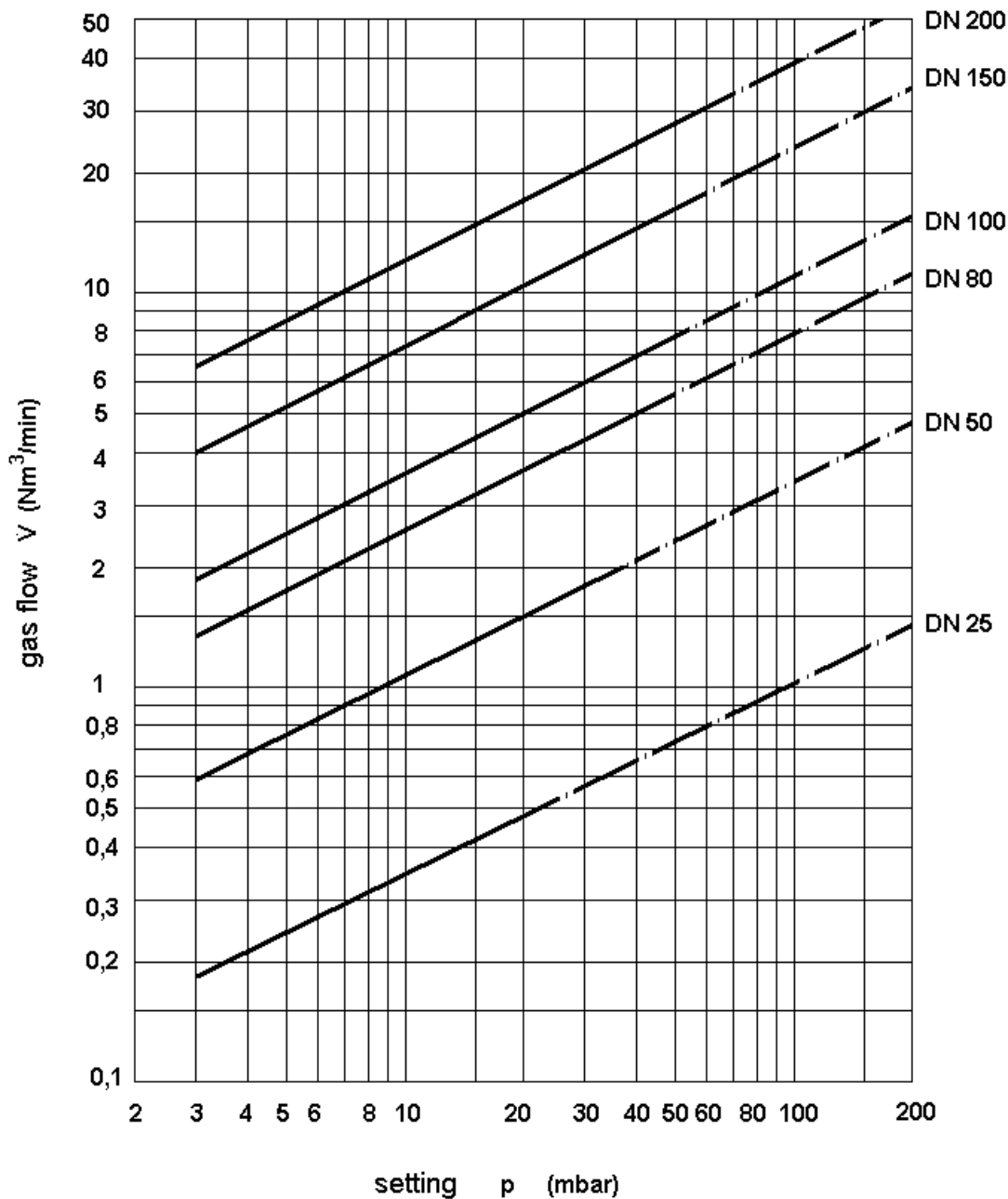
Pressure Relief Valve
KITO® DS/ScS
K 3 N

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). If different accumulations are required see page A 31.
 Curves indicated by - - - - - require special weight loads



Design subject to change