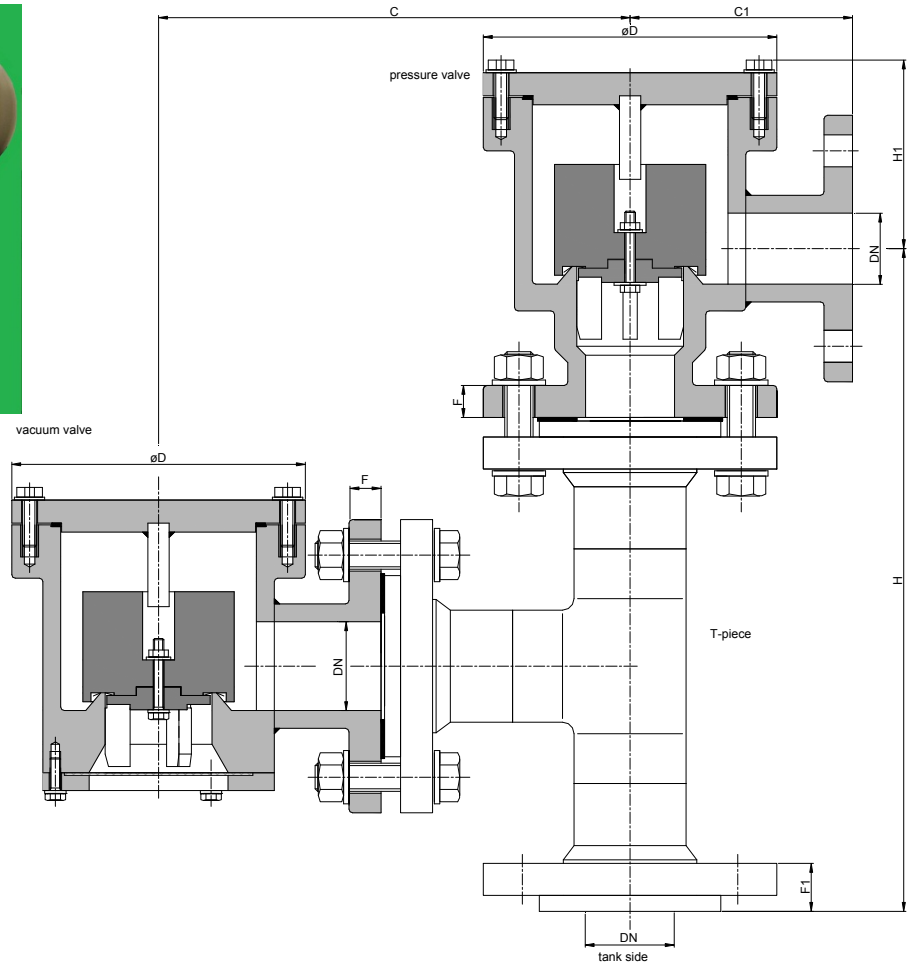
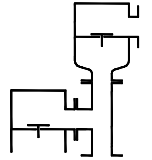


Combined Vacuum/Pressure Relief Valve

KITO® VD/oSR



Without EC certificate and € -designation

DN	C	C1	D	H	H1	F	F1	kg*
25 PN 40	220	120	130	260	110	16	28	7.4
50 PN 16	238	125	165	304	100	18	32	12
80 PN 16	321	150	210	444	125	20	35	31
100 PN 16	373	175	245	518	148	24	36	
150 PN 16	490	250	320	647	175	26	49	
200 PN 10	570	275	394	805	210	28	56	

Dimensions in mm

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

Standard valve setting 3-30 mbar

Design subject to change

performance curves: K 0.10 N

Standard design

housing / T-piece : polyethylene (PE), polypropylene (PP)
(T-piece DN 25 from St/coated with Halar)

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)

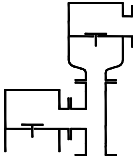
flange connection : DIN EN 1092-1 form A

Application

Not explosion-proof valve combination for venting and breathing of containers, in which non-combustible but aggressive media e. g. acids are stored.

The pressure side is intended for connection to a pipe, in which the vapors are transported to a waste disposal installation.

Not suitable for flammable, flammable, highly or extremely flammable media.



Combined Vacuum/Pressure Relief Valve KITO® VD/oSR

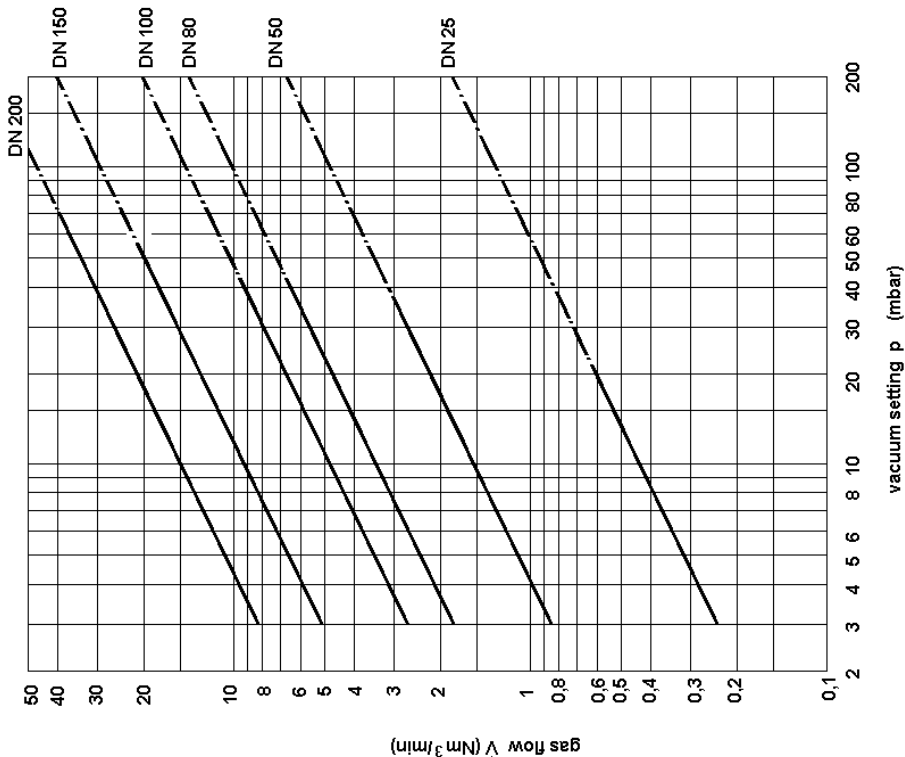
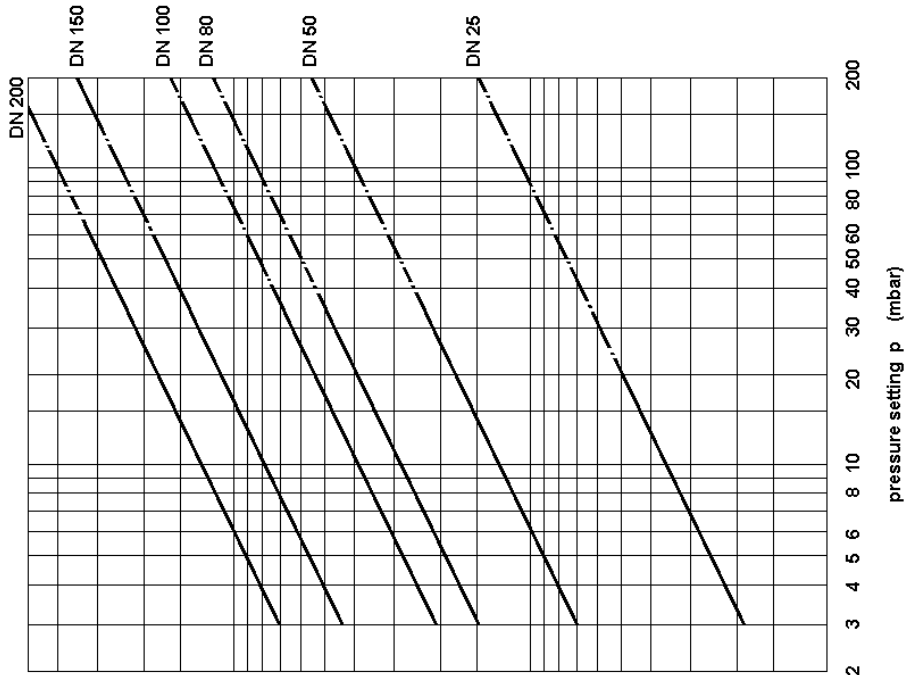
K 10 N

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