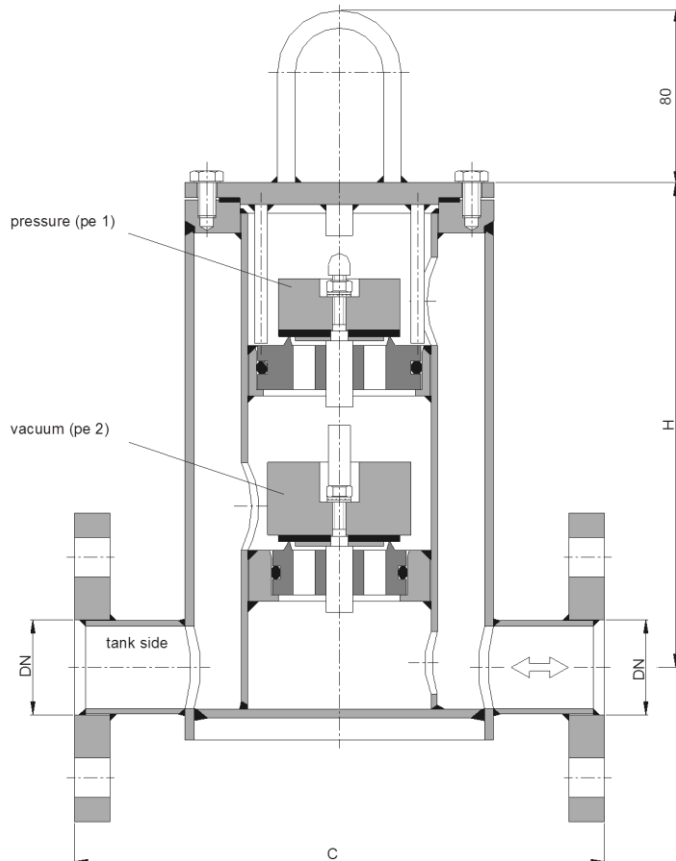
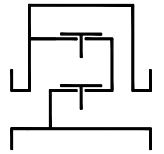


Tank Venting Valve KITO® VD/TG



Without EC certificate and €-designation

DN	ANSI	C	H	kg*	setting (mbar)			
					pe1		pe2	
					min.	max.	min.	max.
25 PN 40	1"	240	210	10	2.5	72	2.9	93
32 PN 40	1 1/4"	240	220	12	2.5	70	2.9	91
40 PN 40	1 1/2"	350	308	18	1.8	210	2.1	158
50 PN 16	2"	350	308	19	1.8	205	2.1	154
65 PN 16	2 1/2"	350	316	20	1.5	141	1.7	105
80 PN 16	3"	350	364	25	1.7	155	1.7	120
100 PN 16	4"	450	415	30	1.6	240	1.4	140
125 PN 16	5"	500	400	35	1.4	215	1.7	140
150 PN 16	6"	550	441	42	1.7	235	1.9	155

Dimensions in mm

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

Standard valve setting 7-30 mbar -different settings against additional price-

Construction length C can be adapted to customers wish to local situation.

Design subject to change

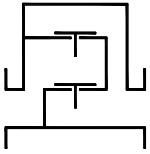
performance curves: F 0.31 N

Standard design

housing : steel, stainless steel mat. no. 1.4571
 valve seat and spindle : stainless steel mat. no. 1.4571
 valve sealing : NBR, Viton, PTFE
 gasket : HD 3822, PTFE
 flange connection : DIN EN 1092-1 form A,
 ANSI 150 lbs. RF

Application

as inline armature with venting and breather valve function for vessels.
 Preferably used for installation in pipes.



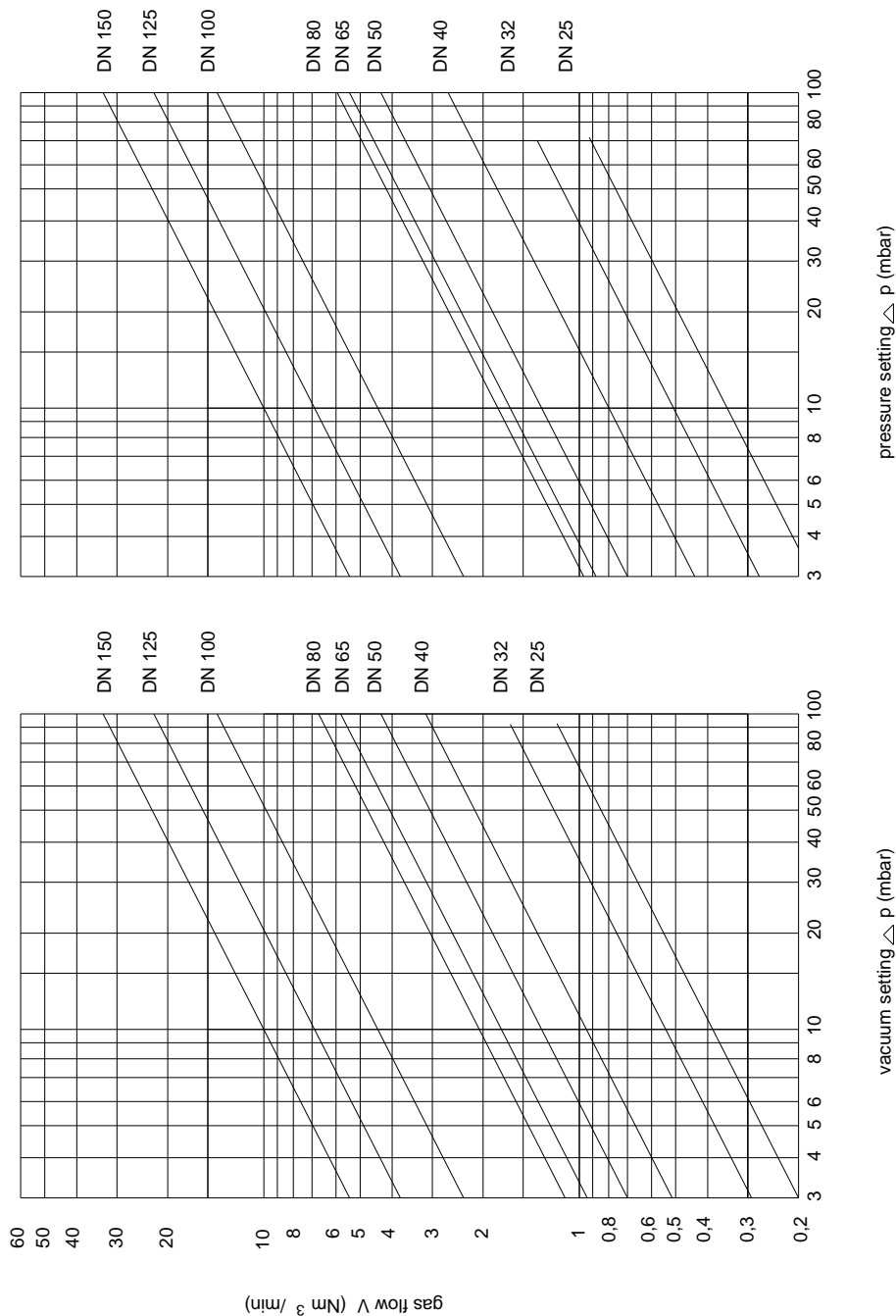
Tank Venting Valve KITO® VD/TG F 31 N

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

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

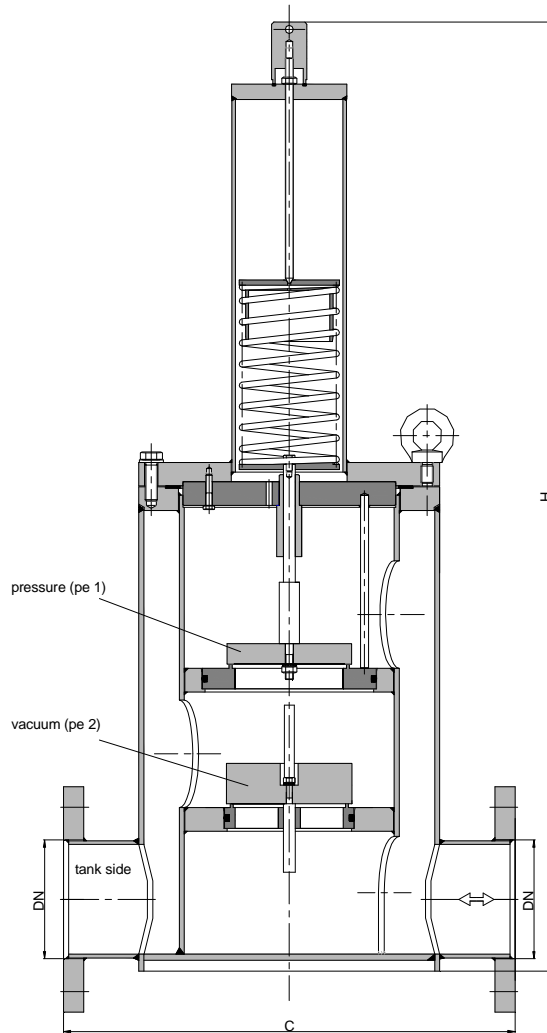
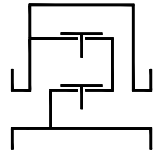
Air flow capacity at 40% above valve setting (see DIN 4119). If different accumulations are required see page A 32 for correcting factor.

Curves indicated by require special weight loads.



Design subject to change

Tank Venting Valve KITO® VD/TG-1



**Without EC certificate and
CE -designation**

**Construction length C can be adapted to
customers wish to local situation.**

DN	ANSI	C	H	kg	setting* (mbar)			
					pe1		pe2	
					min.	max.	min.	max.
25 PN 40	1"	240	492	200	350	5	93	
32 PN 40	1 ¼"	240	492			5	91	
40 PN 40	1 ½"	350	601			6	158	
50 PN 16	2"	350	601			6	154	
65 PN 16	2 ½"	350	805			7	105	
80 PN 16	3"	350	860			7	120	
100 PN 16	4"	450	926			7	140	
125 PN 16	5"	500		150	7	140		
150 PN 16	6"	550			8	155		

Dimensions in mm

* minor settings see type sheet F 31 N, higher settings on request.

Design subject to change

performance curves: F 0.31.1 N

Standard design

housing / cover : steel, stainless steel 1.4571
 valve pallet (pressure) : spring loaded
 valve pallet (vacuum) : weight loaded
 valve seat and spindle : stainless steel 1.4571
 valve sealing : metal sealing
 parts spring loading : stainless steel mat. no. 1.4571
 compression spring : stainless steel mat. no. 1.4310
 gasket : HD 3822, PTFE
 flange connection : DIN EN 1092-1 form A,
 ANSI 150 lbs. RF

Application

as inline armature with venting and breather valve function for vessels.
 Preferably used for installation in pipes.