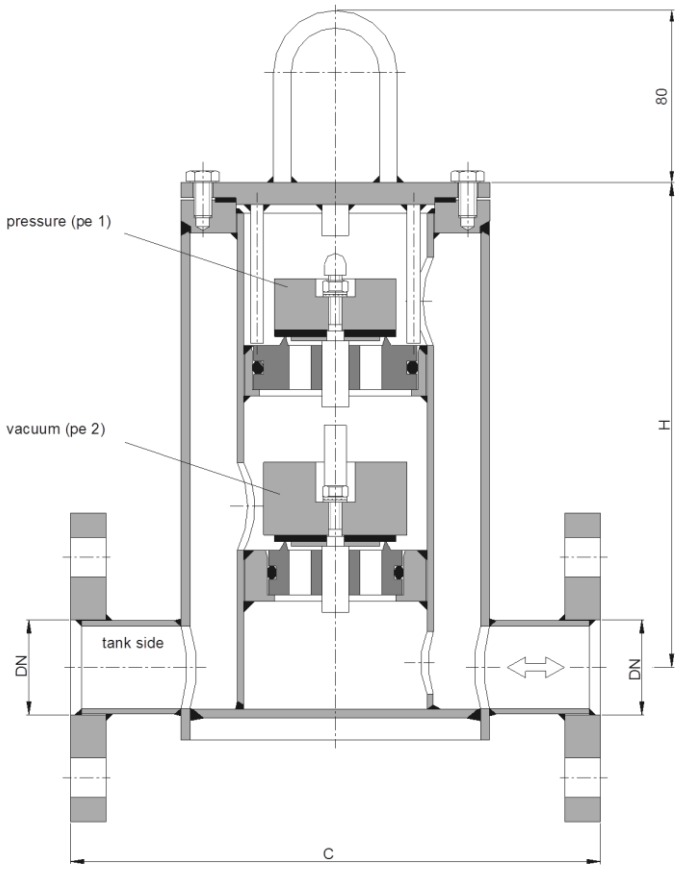
Tank Venting Valve
KITO® VD/TG



Without EC certificate and CE -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 ¼“**	240	220	12	2.5	70	2.9	91
40 PN 40	**1 ½“**	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 ½“**	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

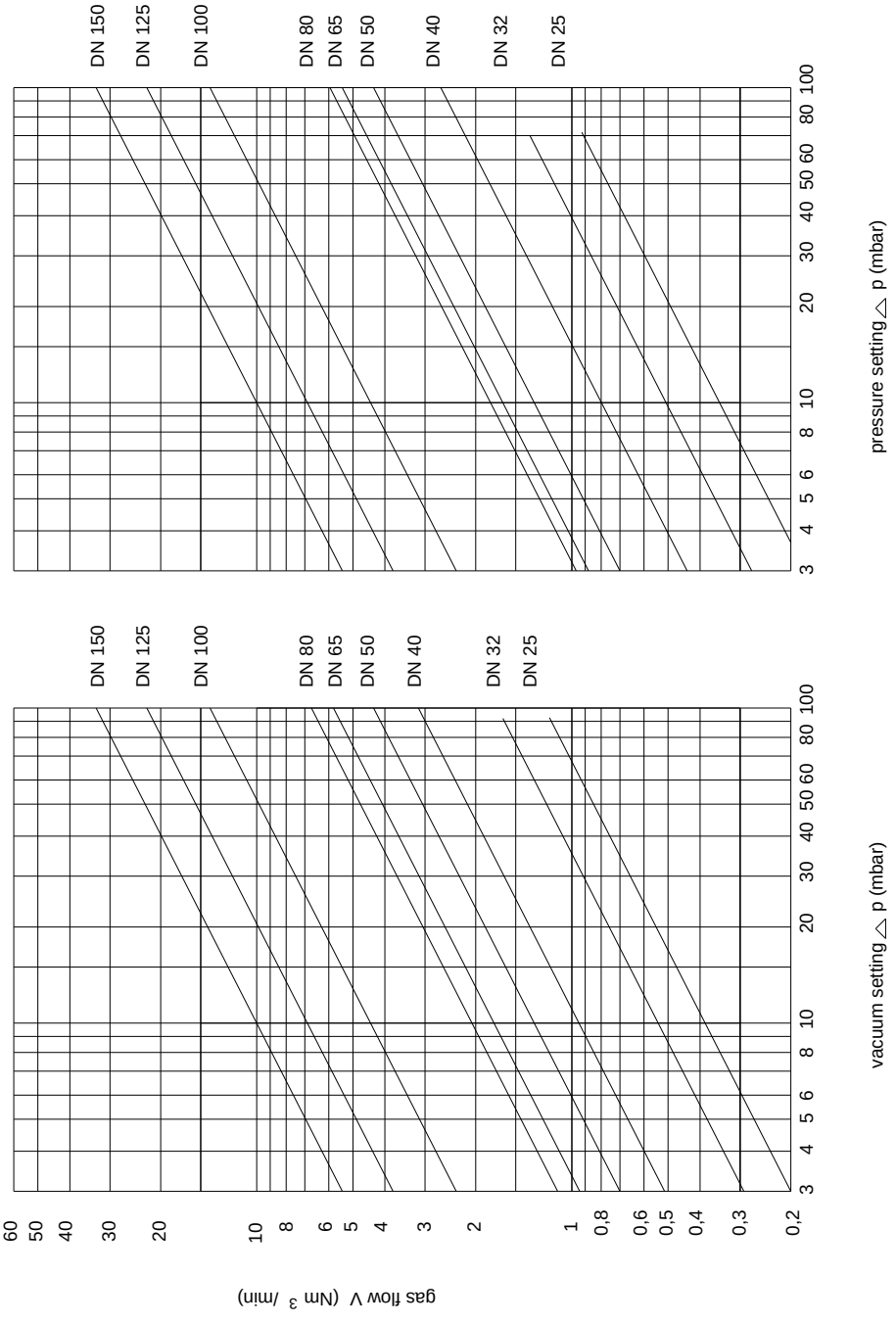
Application

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

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 32 for correcting factor.
Curves indicated by —·—·—·— require special weight loads.



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