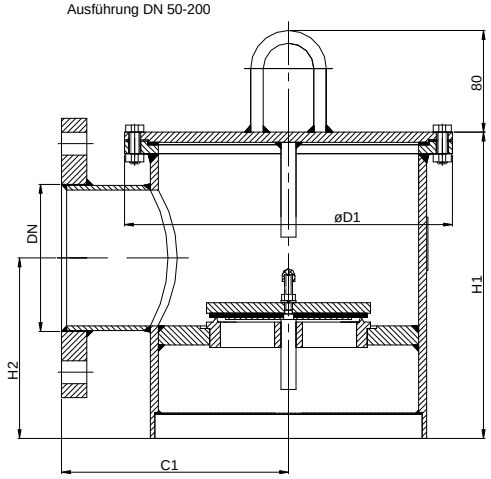
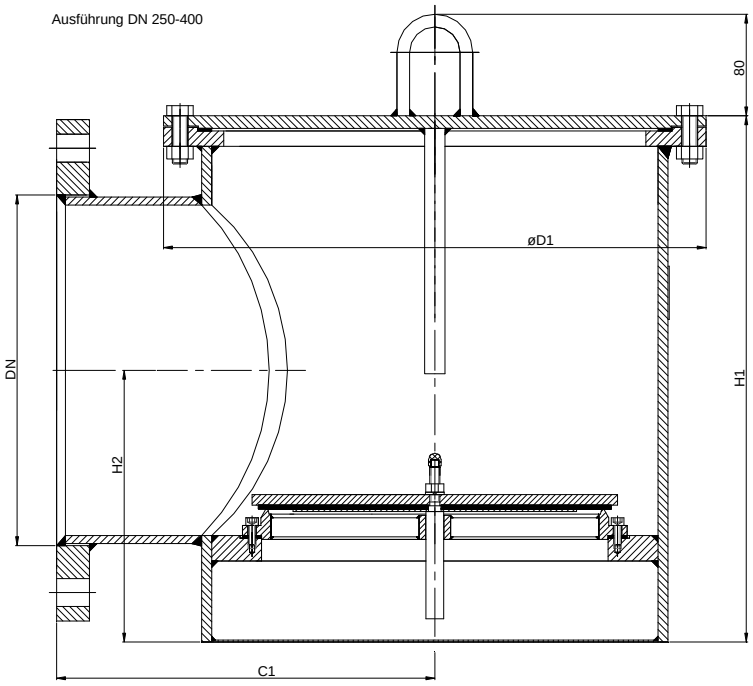
Vacuum Relief Valve
KITO VS/O
(without KITO flame arrester element, for lateral flange connection)

Ausführung DN 50-200



Ausführung DN 250-400



DN		C1	D1	H1	H2	kg	setting mbar	
DIN	ANSI						min.*	max.**
50	**2“**	120	170	206	108	10	1.4	130.0
80	**3“**	144	200	232	131	13	1.6	143.0
100	**4“**	180	260	262	152	21	1.6	205.0
125	**5“**	195	285	296	173	26	1.4	185.0
150	**6“**	220	320	337	200	33	1.7	185.0
200	**8“**	255	380	404	223	55	2.0	180.0
250	**10“**	300	430	446	248	72	2.0	205.0
300	**12“**	345	520	559	330	125	2.1	237.0
350	**14“**	390	612	605	348	166	2.0	260.0
400	**16“**	450	685	706	420	216	2.2	288.0

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

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

* material : PE / stainless steel
mat. no 1.4571 (to 7 mbar)
** material : steel or stainless steel
mat. no.1.4571

Dimensions in mm.

Without EC type approval.

Design subject to change

Performance curves : D 0.12 N

Standard design

housing / cover : steel, stainless steel mat. no. 1.4571
valve seat / spindle : stainless steel mat. no. 1.4571
valve face seal : NBR, Viton, PTFE
protective screen : stainless steel mat. no. 1.4301, 1.4571
flange connection : DIN 2576 PN 10 (DIN EN 1092-1), ANSI 150 lbs RF

Application

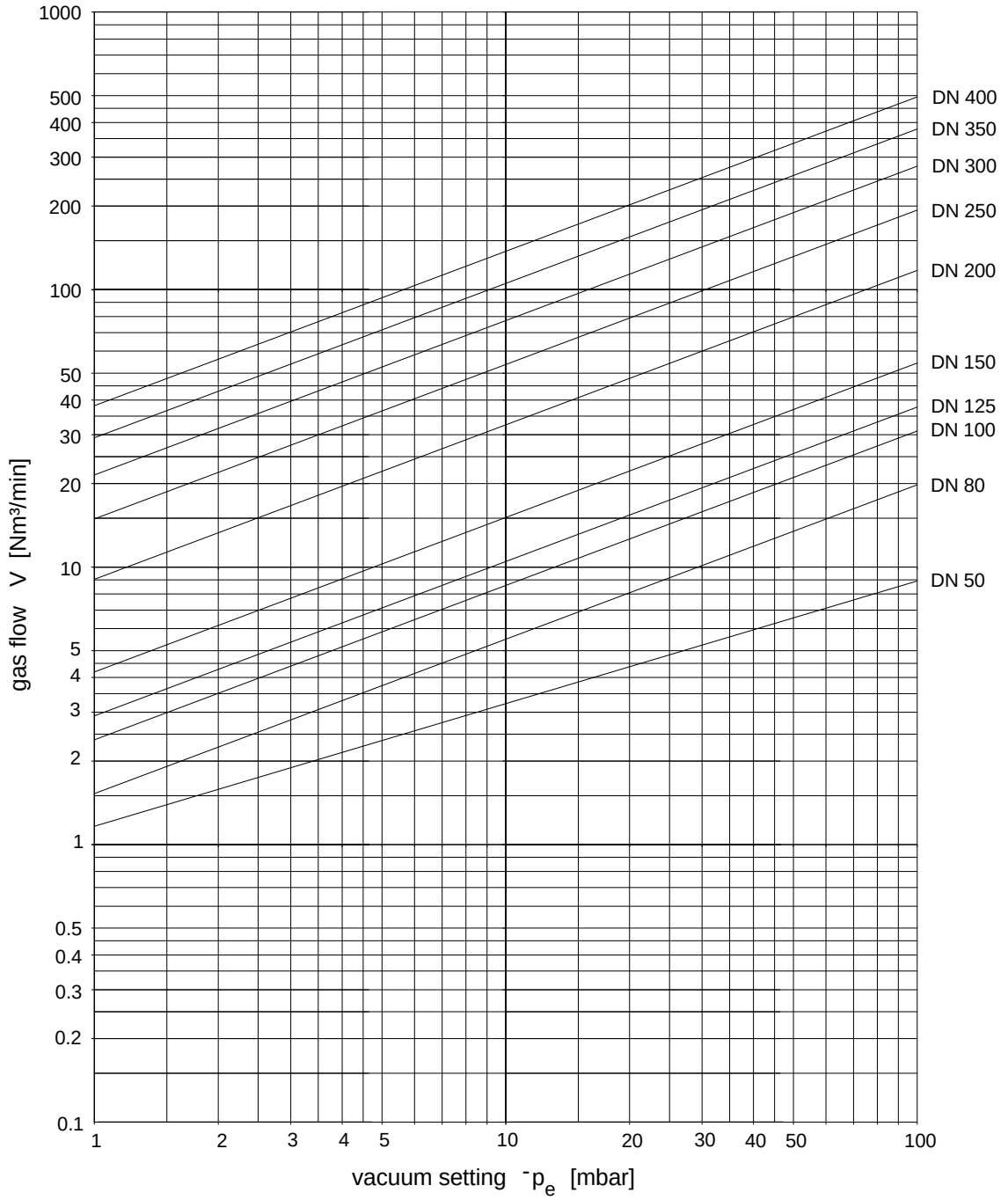
As end-of-line armatures, for venting apertures on tank installations for ventilation and to prevent inadmissible vacuum. Usually mounted on top of a tank, if applicable in conjunction with a pressure relief valve on a common connecting pipe.
The valve is not explosion-proof, thus cannot be used for flammable media.

The flow capacity V refers to a density of air with ρ = 1.29 kg/m³.

The flow capacity for gases with different densities can be calculated sufficiently accurate by the following approximation equation:

$$\dot{V}_{40\%} = \dot{V}_b \cdot \sqrt{\frac{\rho_b}{1{,}29}} \qquad \text{bzw.} \quad \dot{V}_b = \dot{V}_{40\%} \cdot \sqrt{\frac{1{,}29}{\rho_b}}$$

Indicated flow rates will be reached by an accumulation of 40% above valve's setting.



Design subject to change