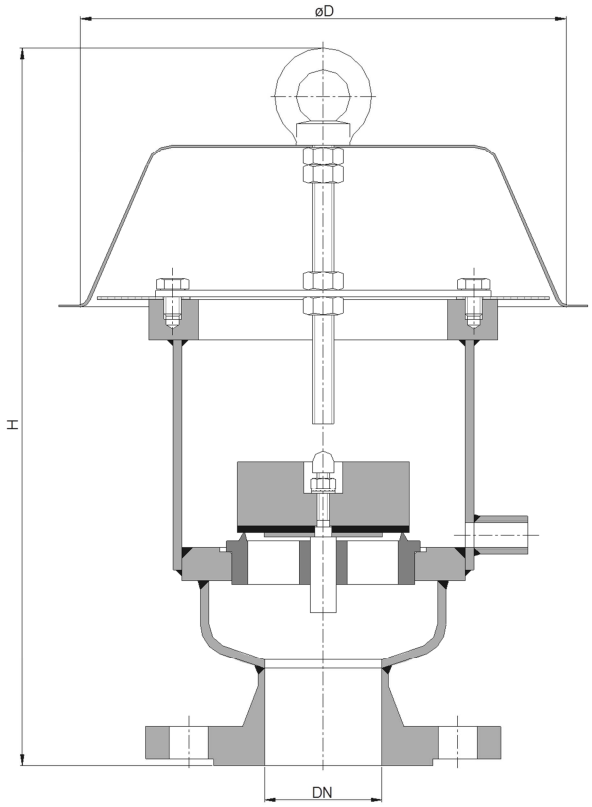
Pressure Relief Valve
KITO® DS/o



Without EC certificate and CE -designation

DN		D	H		kg*	setting (mbar)	
DIN	ANSI		DIN	ANSI		min.	max.
25 PN 40	**1“**	220	324	343	9	2.5	200
50 PN 16	**2“**	220	334	353	12	1.6	145
80 PN 16	**3“**	260	416	436	13	1.7	160
100 PN 16	**4“**	260	414	439	15	1.7	95
125 PN 16	**5“**	380	435	468		1.6	170
150 PN 16	**6“**	380	445	465	31	1.7	132
200 PN 10	**8“**	450	553	595	53	1.7	178
250 PN 10	**10“**	600	600	635	84	2.0	175

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-

Design subject to change

performance curves: C 0.8.1 N

Standard design

housing	: steel, stainless steel mat. no. 1.4571
valve seat / spindle	: stainless steel mat. no. 1.4571
valve sealing	: NBR, Viton, PTFE
weather hood	: stainless steel mat. no. 1.4301, 1.4571
protective screen	: PA6 (> DN 125 stainless steel mat. no. 1.4301, 1.4571)
flange connection	: DIN EN 1092-1 form B1, ANSI 150 lbs. RF

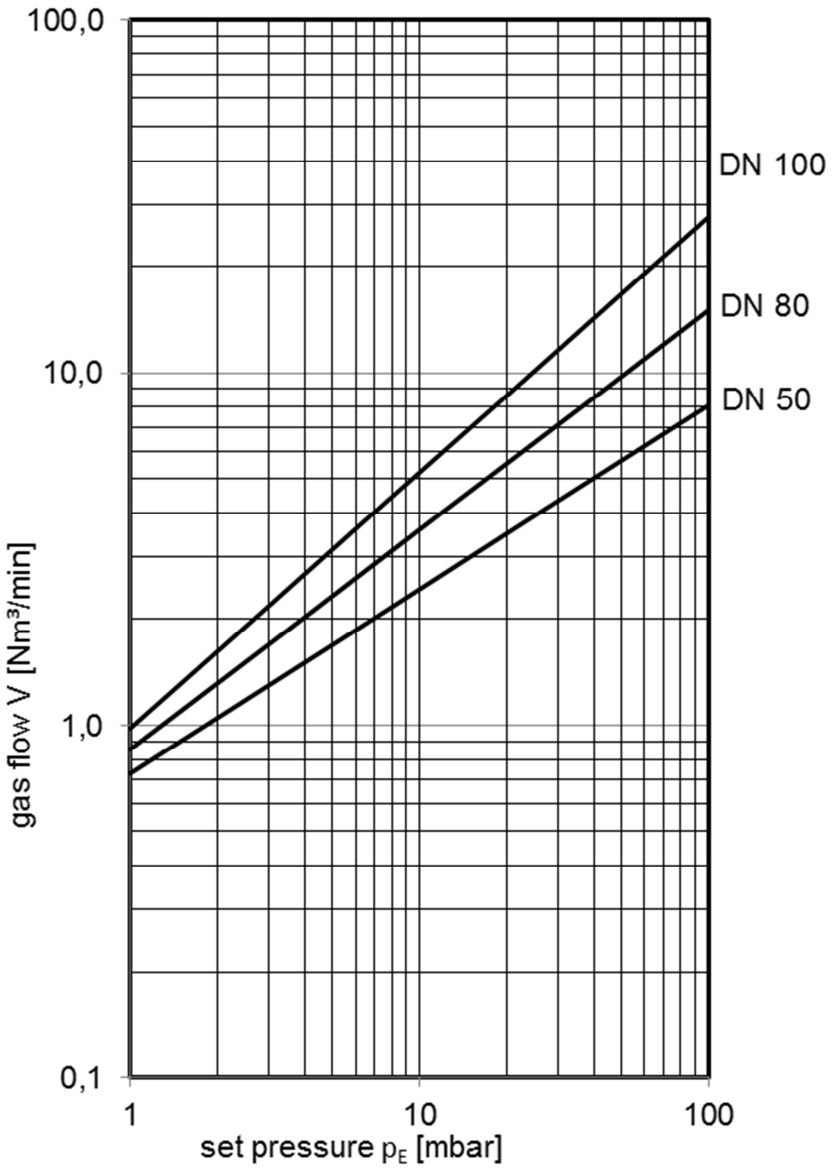
Application

As venting device for installation on storage tanks with a PRV to protect against hazardous excess pressure but minimize the loss of gas/vapours.
This device does not protect against the hazard of explosion or stabilized burning.

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

$$\dot{V}_{40\%} = \dot{V}_b \cdot \sqrt{\frac{\rho_b}{1.29}} \qquad or \qquad \dot{V}_b = \dot{V}_{40\%} \cdot \sqrt{\frac{1.29}{\rho_b}}$$

Air flow capacity at 40% above valve setting.



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