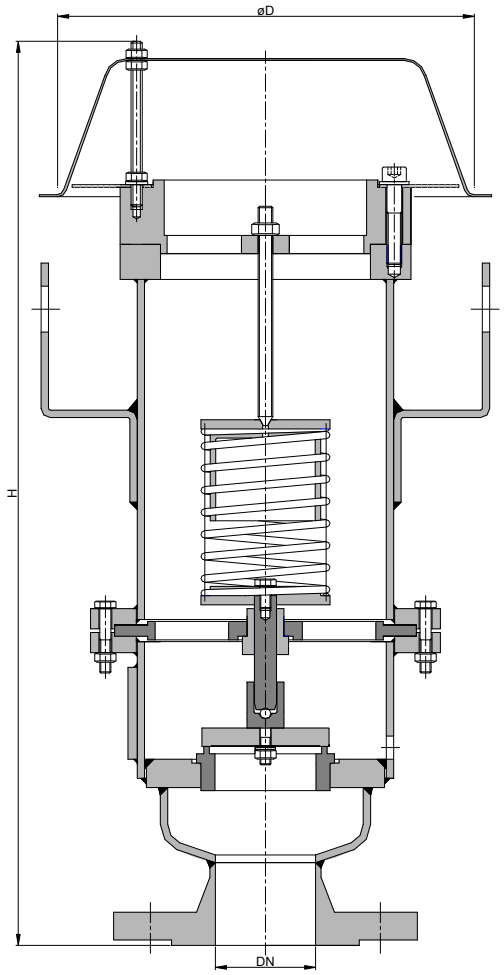
Pressure Relief Valve
KITO® DS/o-1



Without EC certificate and CE -designation

DN		D	H		kg	setting* (mbar)	
DIN	ANSI		DIN	ANSI		min.	max.
25 PN 40	**1“**	220				200	350
50 PN 16	**2“**	220	490	509	57		
80 PN 16	**3“**	260					
100 PN 16	**4“**	260					
125 PN 16	**5“**	380				150	
150 PN 16	**6“**	380					
200 PN 10	**8“**	450					
250 PN 10	**10“**	600	1238	1272	206		

Dimensions in mm

* minor settings see type sheet D 11 N, higher settings on request.

Design subject to change

performance curves: C 0.8.3 N

Standard design

housing	: steel, stainless steel mat. no. 1.4571
valve pallet	: spring loaded
valve seat and spindle	: stainless steel 1.4571
valve seals	: metal sealing
spring loaded parts	: stainless steel 1.4571
compression spring	: stainless steel 1.4301
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

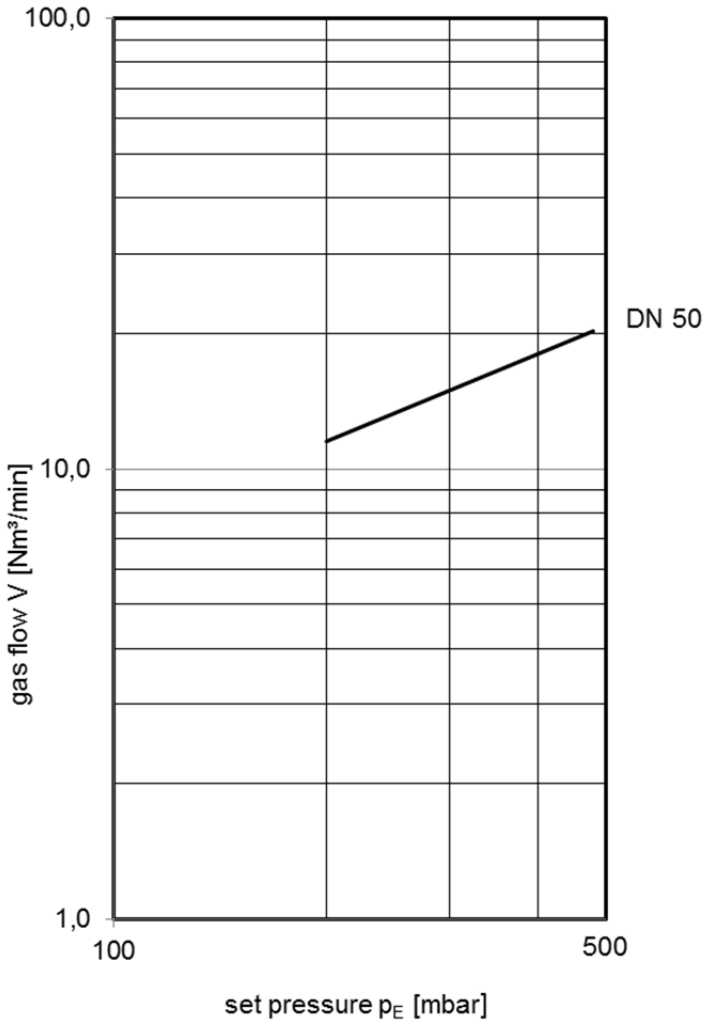
Application

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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