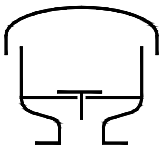
KITO Armaturen GmbH

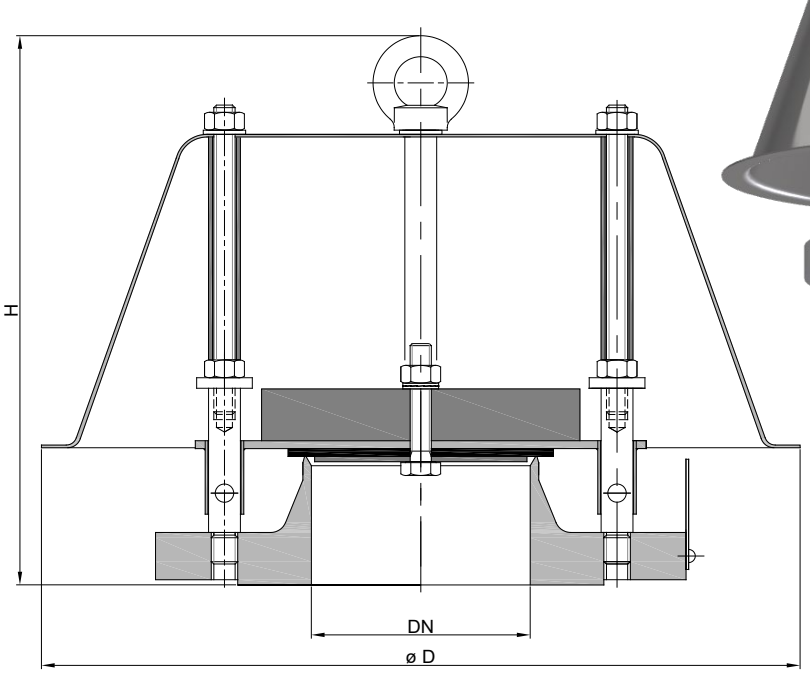
Type sheet
Pressure relief valve
KITO® DS/oP-…



Application

As PRV/venting device to prevent dangerous excess pressures that may be attained in storage containers and silos in which granulate and powder products are stored. All moving parts are outside the storage room.

Dimensions (mm) and settings (mbar)



DN		D	H	setting		kg
DIN	ASME			min.	max.	
50 PN 16	**2“**	280	190	15	200	4,5
80 PN 16	**3“**	280	210	15	180	7
100 PN 16	**4“**	400	230	15	150	
125 PN 16	**5“**	400	230	15	150	
150 PN 16	**6“**	400	230	15	150	
200 PN 10	**8“**	550	230	15	100	
250 PN 10	**10“**	550	235	15	100	

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

Example for order

KITO® DS/oP-50
(design with flange connection DN 50 PN 16)

Without EC certificate and CE-marking

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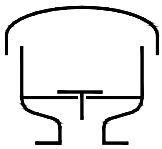
KITO® DS/oP-…



Design

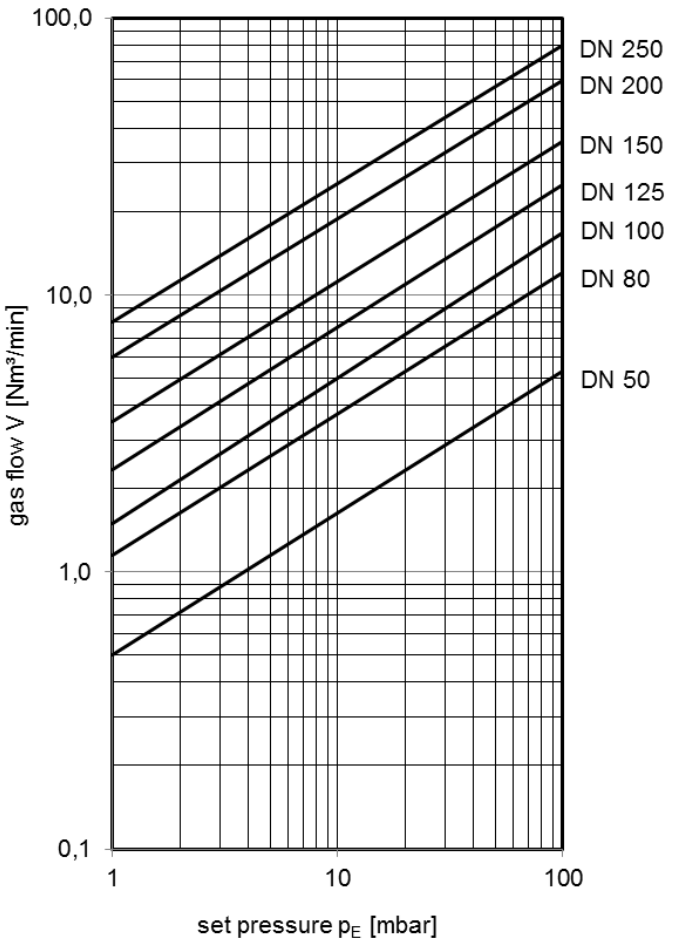
	standard	optionally
housing	stainless steel mat. no. 1.4571	
load weight	stainless steel mat. no. 1.4571	PE
valve sealing	NBR	Viton, PTFE, EPDM, metal sealing
	≥ 100 mbar only PTFE or metal sealing	
weather hood	stainless steel	
flange connection	EN 1092-1 type B1	ASME B16.5 Class 150 RF

Performance curves

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

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

The indicated flow rates will be reached by an accumulation of 40% above valve's setting (see DIN 4119).
If the allowable overpressure is less 40%, please consult der factory for the corrected volume flow.



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