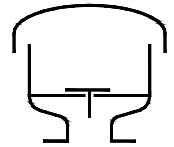




## Type sheet

Pressure relief valve

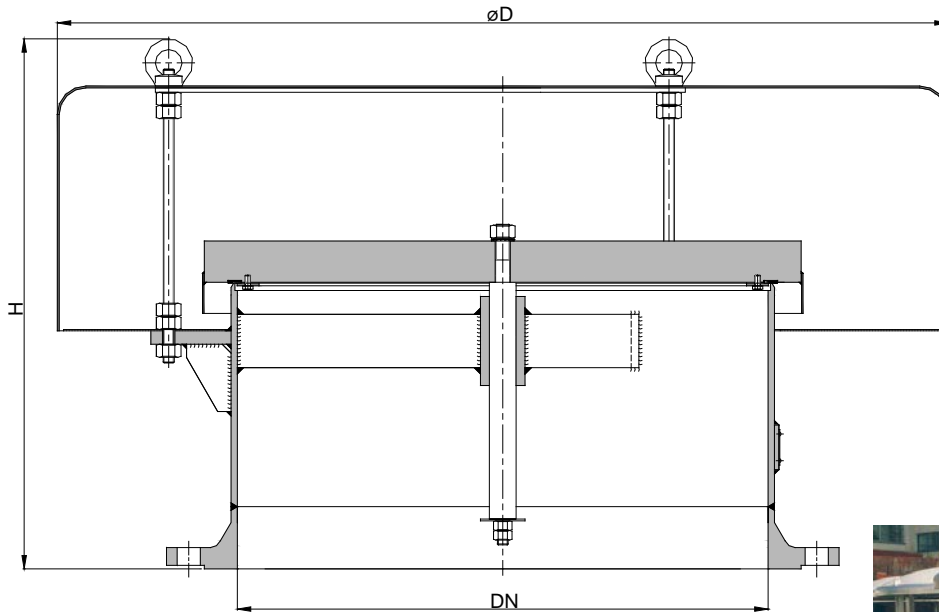
KITO® DS/o-...



### 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.

### Dimensions (mm) and settings (mbar)



Special design per request available)

DN		D	H	setting	kg
DIN	ASME				
300 PN 10	12"	600	430	15 - 70	66 (121)
350 PN 10	14"	650	460	15 - 70	74 (141)
400 PN 10	16"	750	500	15 - 70	85 (173)
500 PN 10	20"	950	560	20 - 60	96 (216)
600 PN 10	24"	1000	605	20 - 50	134 (275)
700 PN 10	28"	1300	710		195

Indicated weights are understood without weight load and refer to the standard design (the weights in brackets are with a maximum load weight)

Different settings on request !

### Example for order

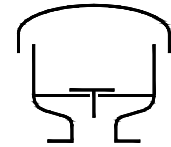
**KITO® DS/o-300**

(design with flange connection DN 300 PN 10)

**Without EC certificate and €-marking**

**Type sheet**

Pressure relief valve

**KITO® DS/o-...**

**Design**

	standard	optionally
housing / valve seat edge	steel / stainless steel mat. no. 1.4571	stainless steel mat. no. 1.4571 / 1.4571
valve spindle	stainless steel mat. no. 1.4571	
load weight	stainless steel mat. no. 1.4571	
valve sealing	NBR	Viton, PTFE
weather hood	steel	stainless steel mat. no. 1.4301
protective screen	stainless steel mat. no. 1.4301	stainless steel mat. no. 1.4571
flange connection	EN 1092-1 type B1	ASME B16.5 Class 150 RF

**Performance curves**

Flow capacity  $V$  based on air of a density  $\rho = 1.29 \text{ kg/m}^3$  at  $T = 273 \text{ K}$  and atmospheric pressure  $p = 1.013 \text{ mbar}$ . For other gases the flow can be approximately calculated by

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

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.

