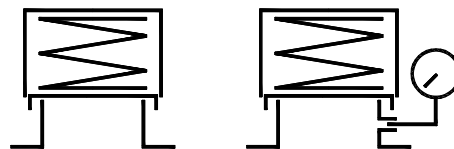


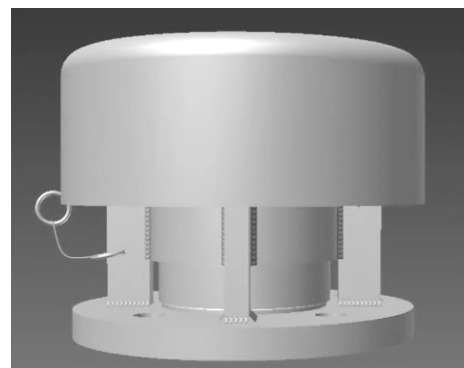
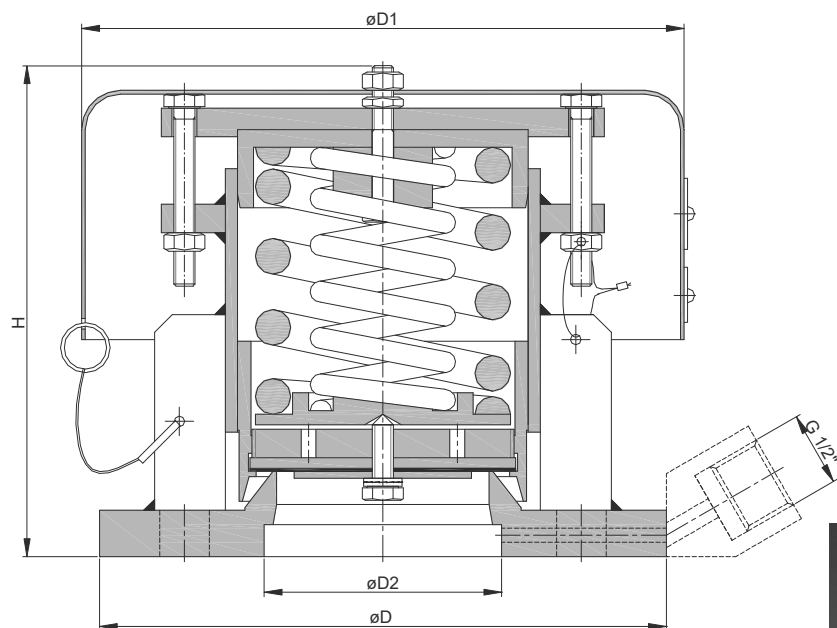
**Type sheet**  
**Pressure relief valve**  
**KITO® K/DO-...**



**Application**

Pressure relief valve against excessive pressure in rail tank cars (RTC) for the transport of dangerous goods of cl. 3, 5.1, 5.2, 6.1 and 8 with special regulations (RID/GGVSE, dangerous goods V sea). If used in combination with a rupture disc broken disc will be indicated by a pressure gauge which is fitted to the 1/2" threaded connection between rupture disc and valve pallet.

**Dimensions (mm) and settings (bar)**



DIN	ASME	D (DIN)	D (ASME)	D1	D2	H	~ kg	setting
40 PN 40	1 1/2"	150	127.0	170	67	138	5.5	0.5 – 4.4
50 PN 16	2"	165	152.4					
65 PN 16	2 1/2"	185	177.8					
80 PN 16	3"	200	190.5					

*Weight refers to the standard design*

*different settings on request*

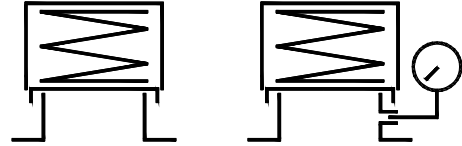
**Example for order**

**KITO® K/DO-40**  
*(design with flange connection DN 40 PN 40 type A)*

## Type sheet

Pressure relief valve

KITO® K/DO-...



### Design

	standard	optionally
housing / valve seat rim	stainless steel mat. no. 1.4571	
valve pallet / spring plate	stainless steel mat. no. 1.4571	
valve sealing	Viton / Gylon	
compression spring	stainless steel mat. no. 1.4310	
weather hood	stainless steel mat. no. 1.4301	
bolts (outside)	A2	
bolts (inside)	A4	
setting	sealed	
flange connection	EN 1092-1 type A	ASME B16.5 Class 150 RF

### Additional surface treatment resp. changes of materials :

Foreseen product	
organic peroxide (cl. 5.2) and hydrogen peroxide (cl.5.1 and 8)	metallic parts pickled and passivated
ammonium nitrate (cl. 5.1)	metallic parts with a coating of PTFE where in contact with the product
sodium hypochlorite (cl. 8)	housing with valve seat rim, valve pallet, bolt for valve pallet and rondel from Hastelloy C-4

### Performance

setting $p_e$	Relief capacity in m <sup>3</sup> /h at $p_e \times 1,2$		liquids
	DN 40	DN 50 - 80	
0.5 bar	185	>185	Kl. 5.1, 8
1.5 bar	1500	2100	Kl. 3
2.2 bar		3150	Kl. 5.2
3.0 bar	2900	3800	Kl. 3, 6.1, 8
3.3 bar		4000	Kl. 3, 6.1
3.75 bar		4150	Kl. 3, 6.1
4.4 bar		4300	Kl. 3, 6.1