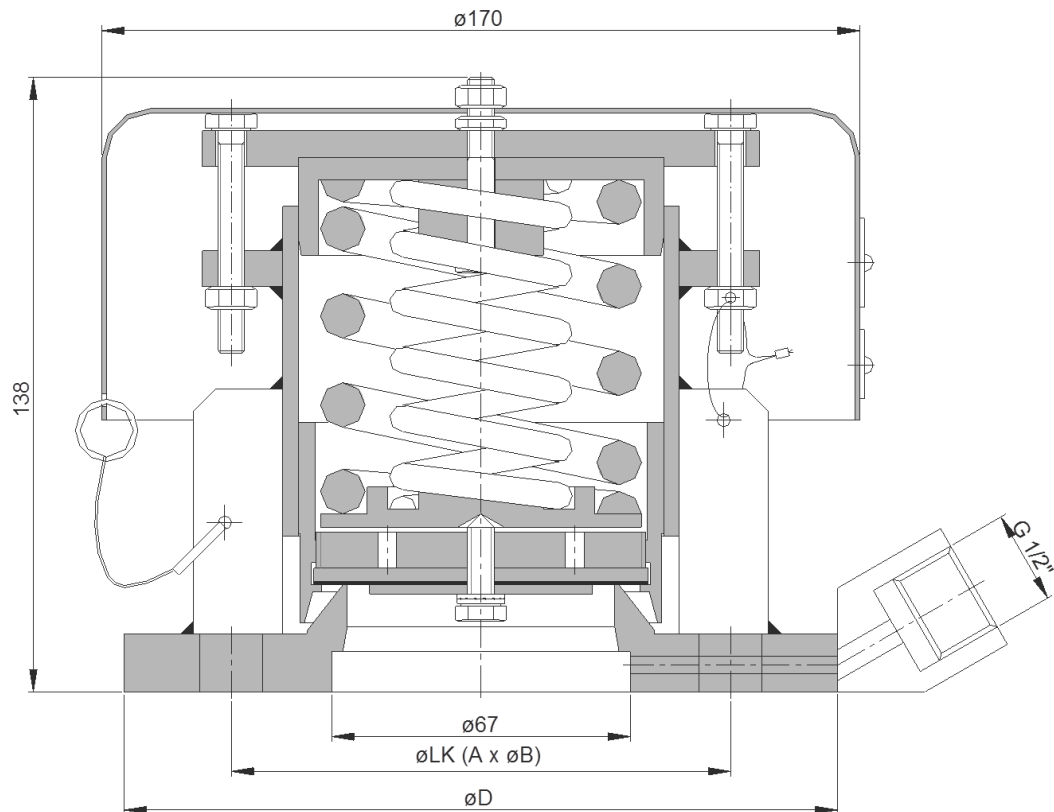
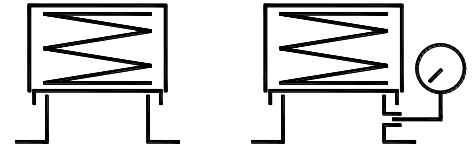


Pressure Relief Valve KITO® K/DO



DN	$\varnothing D$		$\varnothing LK$		A		$\varnothing B$		
	ANSI	ANSI	ANSI	ANSI	ANSI	ANSI	ANSI	ANSI	
40 PN 40	1 1/2"	150	127,0	110	98,6	4	4	18	15,7
50 PN 16	2"	165	152,4	125	120,7	4	4	18	19,1
65 PN 16	2 1/2"	185	177,8	145	139,7	8	4	18	19,1
65 *		160		112		4		14	
80 PN 16	3"	200	190,5	160	152,4	8	4	18	19,1

Dimensions in mm

weight 5-5,7 kg

BAM-component identification
D/BAM/028/A-T

* Design with special flange (thickness 13 mm)



settings p_e	Relief capacity in m^3/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

Design subject to change

Standard design

housing / valve seat rim	: stainless steel mat. no. 1.4571
valve pallet / spring plate	: stainless steel mat. no. 1.4571
sealing	: Viton / Gylon
compression springs	: stainless steel mat. no. 1.4310
weather hood	: stainless steel mat. no. 1.4301
bolts	: A2 (outside), A4 (inside)
setting	: leaded
flange connection	: DIN EN 1092-1, ANSI 150 lbs. RF

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.

Additional surface treatment resp. changes of materials :

- 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) → body and pallet coated with E-CTFE (Halar) where in contact with the product; pallet screw, seal retainer and edge of seat from Hastelloy C-4.