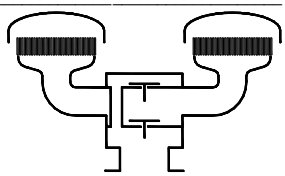
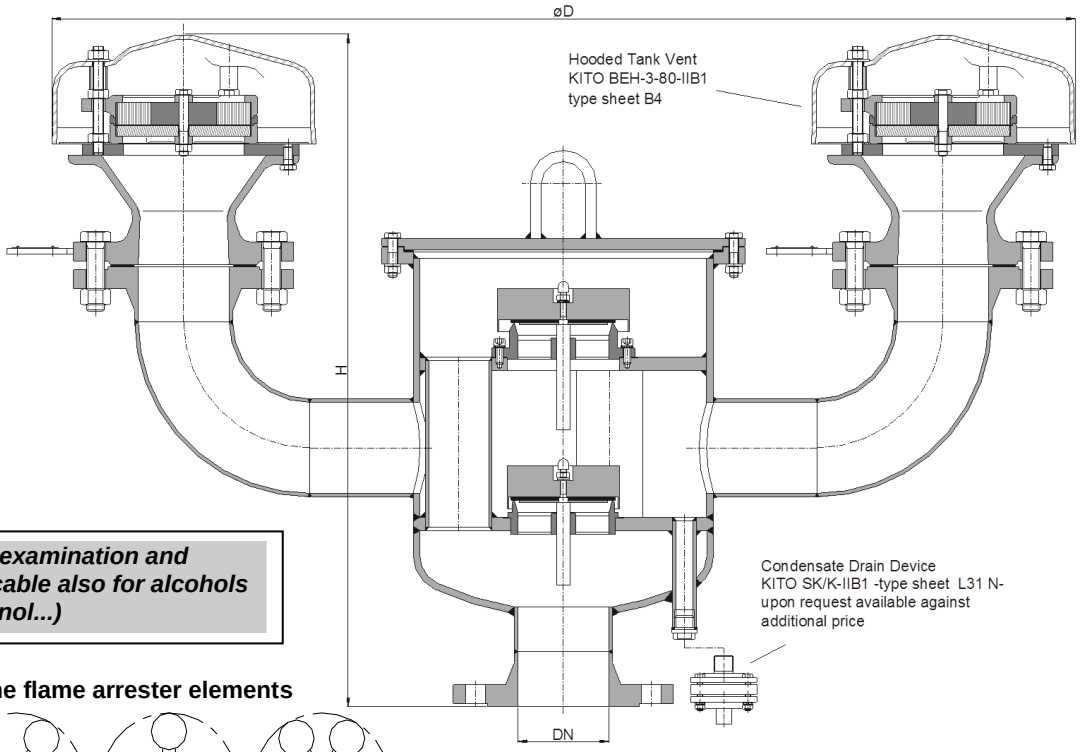
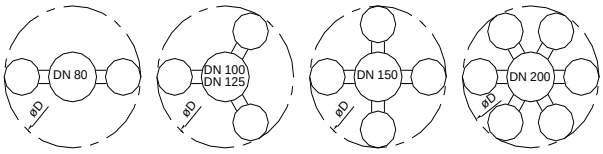
Combined Pressure / Vacuum Relief Valve
KITO® VD/MC-IIB1-…





With additional examination and approval, applicable also for alcohols (ethanol, methanol...)

Arrangement of the flame arrester elements



Type examination certificate to DIN EN ISO 16852 and CE -designation in accordance to ATEX-Guideline 94/9/EC for KITO® BEH-3-80-IIB1 and KITO® SK/K-IIB1

DN		D	H	number of BEH-3-80	setting p_e (mbar)		kg*
					pressure	vacuum	
DIN	ANSI				min. - max.	min. - max.	
80 PN 16	**3“**	855	615	2	1.8 - 100	3.3 - 60	60
100 PN 16	**4“**	950	645	3	1.7 - 100	2.5 - 70	110
125 PN 16	**5“**						
150 PN 16	**6“**	1110	650	4	2.5 – 110	3.5 - 60	
200 PN 10	**8“**	1470	795	6	2.1 - 105	2.9 – 65	235

Dimensions in mm

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

standard valve setting 10-30 mbar -different settings against additional price-

Design subject to change

performance curves: E 0.16.9.1 N

Standard design

housing : steel, stainless steel mat. no. 1.4571
gasket : HD 3822, PTFE
valve seats / spindles : stainless steel mat. no 1.4571
design valve pallet : orifice plate
valve seals : NBR, Viton, PTFE
flange connection : DIN EN 1092-1 form B1, ANSI 150 lbs. RF

Design KITO® BEH-3-80-IIB1

housing : 1.0619, mat. no. 1.4408
KITO® flame arrester element : completely interchangeable
KITO® casing : mat. no. 1.4408
KITO® grid : mat. no. 1.4310 / 1.4571
weather hood : PMMA
protective screen : PA6
flange connection : DIN EN 1092-1 form B1, ANSI 150 lbs. RF

Application

As an end-of-line flame arrester element to protect vent openings of storage tanks. Explosion and endurance burning proof for all inflammable liquids and vapors of explosion group IIB1 and also for alcohols with a maximum experimental safe gap (MESG) ≥ 0.85 mm.
This device is not permitted to be installed in enclosed areas.
Installation on top of storage tanks, tank access covers or breather pipes.
As venting and breather device for fixed roof tanks to prevent inadmissible pressure and vacuum and to minimize gas losses by variable pressure setting of the weight-loaded valve devices.
An explosion proof condensate drain is also available for this model at extra cost.