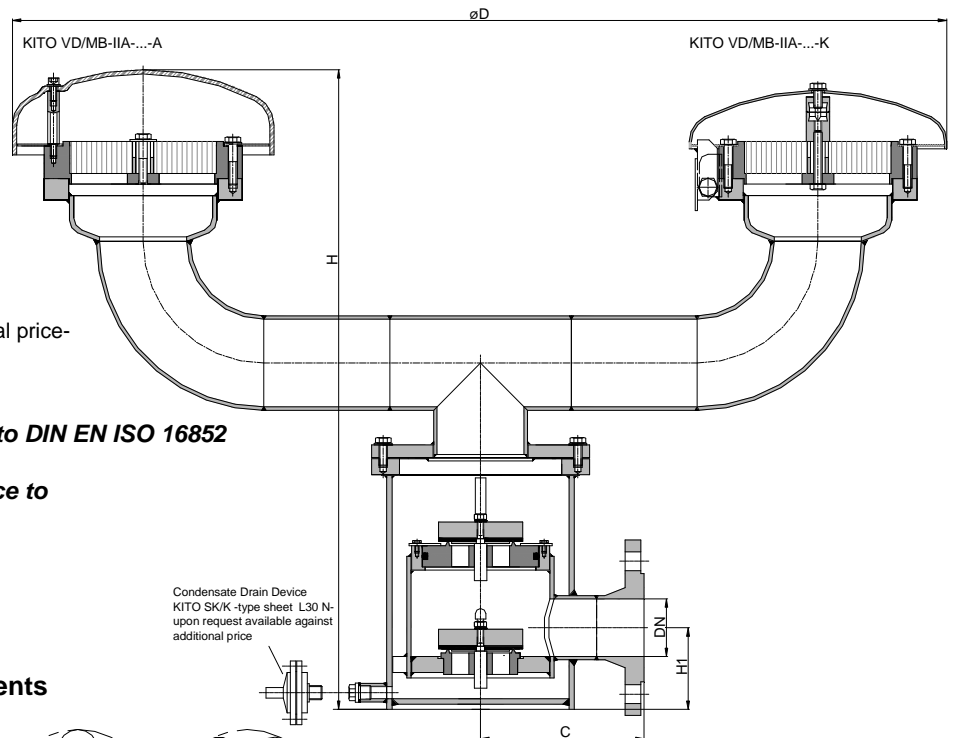
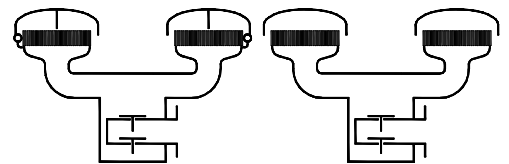


Combined Pressure / Vacuum Relief Valve

KITO® VD/MB-IIA-...-A

KITO® VD/MB-IIA-...-K



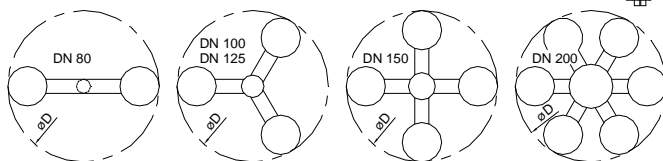
standard valve setting 7-30 mbar
-different settings against additional price-

Type examination certificate to DIN EN ISO 16852

CE -designation in accordance to

ATEX-Guideline 94/9/EC

Arrangement of the KITO® flame arrester elements



Example to order :

KITO® VD/MB-IIA-80/50-K
(design with weather hood from stainless steel
mat. no. 1.4571 and flange connection DN 80 PN 16)

DN	ANSI	C	D	H	H1	number of KITO® flame arrester elements	kg*	setting (mbar)				
								vacuum min.	vacuum max.	pressure sizes	pressure min.	pressure max.
80 PN 16	3"	180	940	655	105	2		1.9	55	DN 50	2.8	110
										DN 80	2.3	40
100 PN 16	4"	190	1054	670	124	3	78	1.8	45	DN 50	2.8	150
										DN 80	2.3	60
										DN 100	2.1	35
150 PN 16	6"	245	1234	745	160	4		2.4	60	DN 80	2.4	170
										DN 100	2.2	100
										DN 150	2.8	35
200 PN 10	8"	290	1634	835	215	6		2.2	55	DN 100	2.4	190
										DN 150	2.9	70
										DN 200	2.4	30

Dimensions in mm

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

Design subject to change

performance curves: E 0.16.8 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
- KITO® flame arrester element : completely interchangeable
- KITO® casing / grid : stainless steel mat. no. 1.4308 / 1.4310, 1.4408 / 1.4571
- weather hood :
 - KITO® VD/MB-IIA-...-K: stainless steel mat. no. 1.4571, hood can fold automatically as a result of folding mechanism and fusing element
 - KITO® VD/MB-IIA-...-A: PMMA
- protective screen : PA6
- flange connection : DIN EN 1092-1 form B1, ANSI 150 lbs. RF

Application

as end-of-line armature, for venting apertures on tank installations, valve is explosion-proof and endurance-burning proof for certain flammable liquids of the explosion group IIA with a maximum experimental safe gap (MESG) > 0.9. Used as venting and breather device for fixed roof tanks to prevent inadmissible pressure and vacuum and to minimize unwelcome gas losses by variable pressure setting. If desired by the customer, the valve is equipped with an explosion-proof condensate drain device.