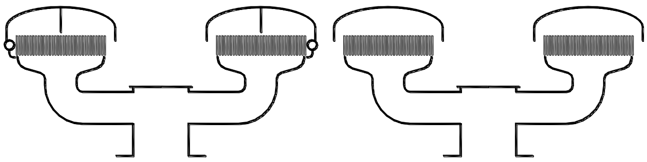
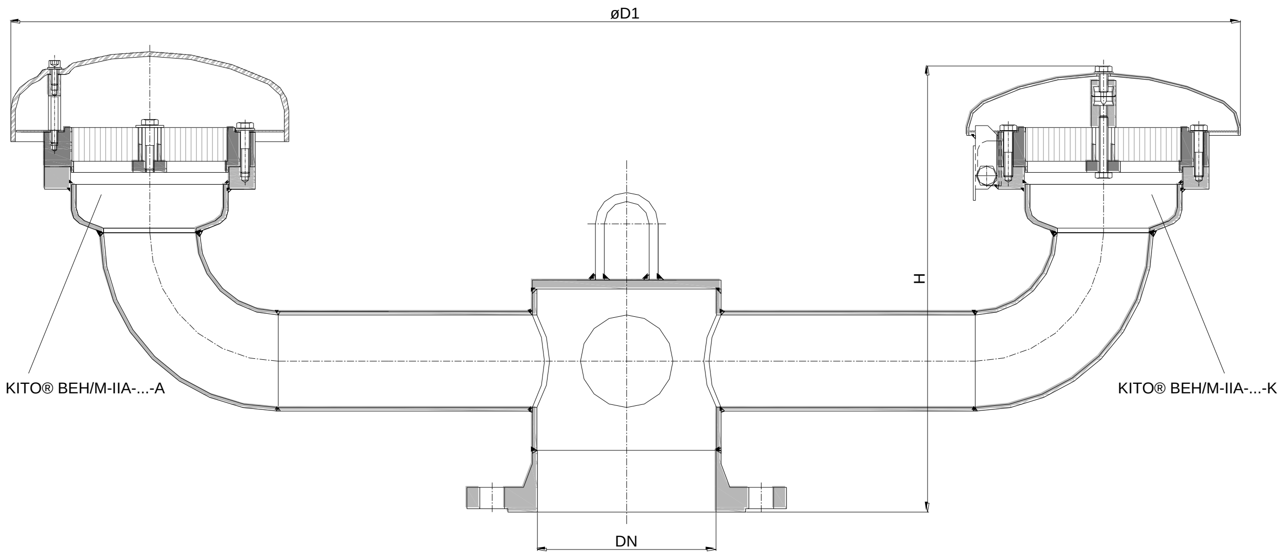
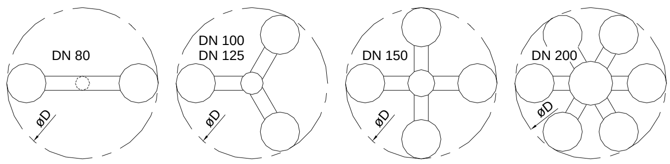
Hooded Tank Vent
KITO® BEH/M-IIA-…-K
KITO® BEH/M-IIA-…-A





arrangement of the KITO® flame arrester elements



Example to order:

KITO® BEH/M-IIA-80-K
(design with weather hood from 1.4571 and flange connection DN 80)

Type examination certificate to DIN EN ISO 16852
CE-designation in accordance to ATEX-Guideline 94/9/EC

DN	ANSI	D1	H	number of KITO® flame arrester elements	kg*
80 PN 16	**3“**	940	390	2	28
100 PN 16	**4“**	1054	400	3	45
125 PN 16	**5“**	1054	400	3	
150 PN 16	**6“**	1234	400	4	59
200 PN 10	**8“**	1634	415	6	99

Dimensions in mm
* weight refers to the standard design

Design subject to change
performance curves : B 0.5.8 N

Standard design

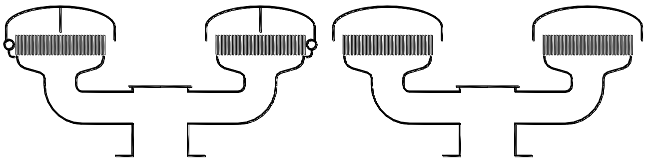
housing : steel, stainless steel mat. no. 1.4571
KITO® flame arrester element : completely interchangeable
KITO® casing / grid : stainless steel mat. no. 1.4308 / 1.4310, 1.4408 / 1.4571

weather hood :
KITO® BEH/M-IIA-…-K : stainless steel mat. no. 1.4571, hood can fold automatically as a result of folding mechanism and fusing element
KITO® BEH/M-IIA-…-A : PMMA

protective screen : PA6
flange connection : DIN EN 1092-1 form B1
ANSI 150 lbs. RF

Application

As breather/venting safety device incorporating an explosion and endurance burning flame arrester for installation on storage tanks containing particular categories of inflammable liquids providing for reliable and safe operation whilst ensuring protection against any possible flashback.
Approved for all materials of the explosion group IIA with a maximum experimental safe gap (MESG) > 0.9.



The flow capacity V refers to a density of air with ρ = 1.29 kg/m³ at T = 273 K and a pressure of p = 1.013 mbar
The flow capacity for gases with different densities can be calculated sufficiently accurate by the following approximation equation:
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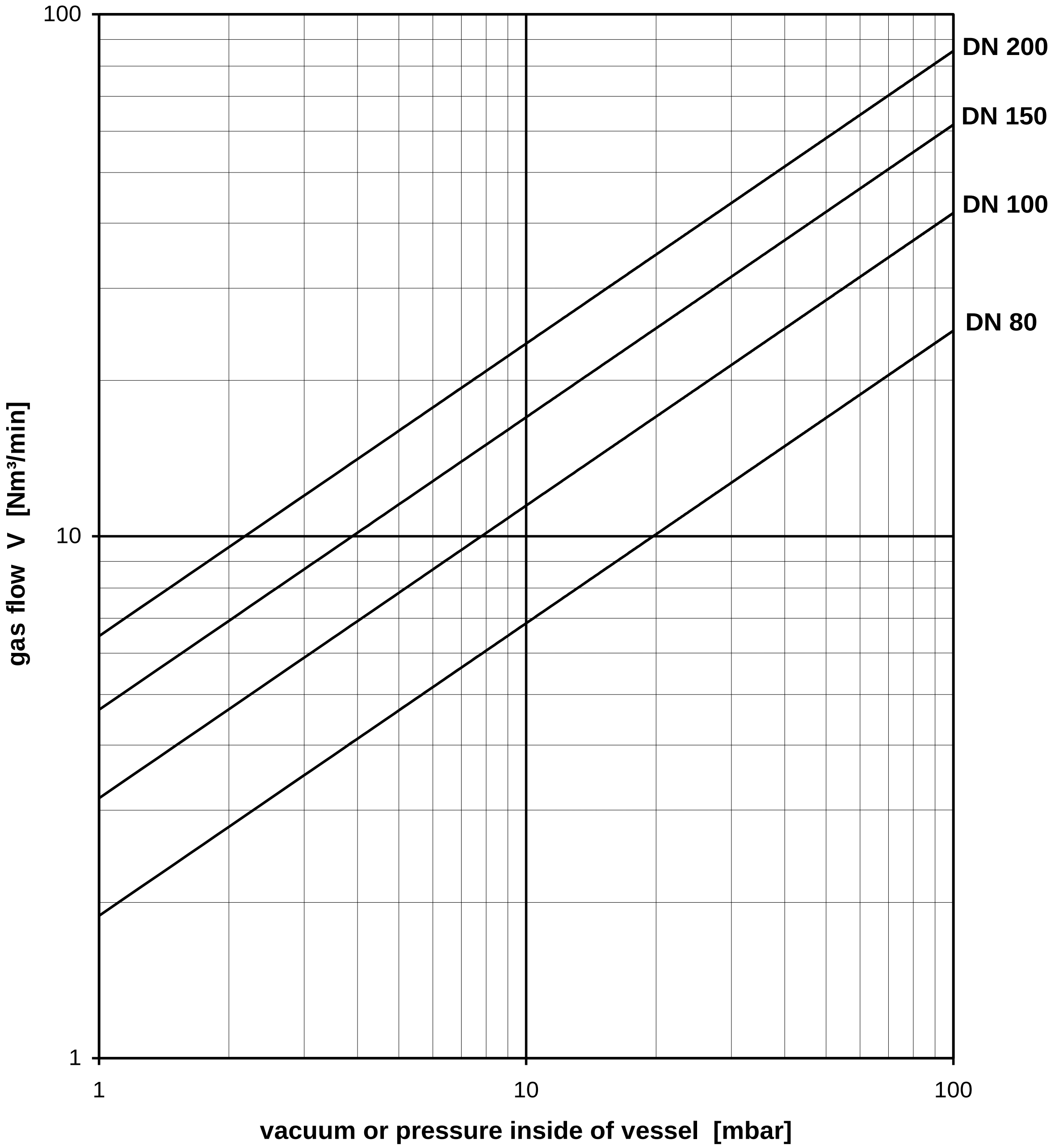
$$\dot{V} = \dot{V}_b \cdot \sqrt{\frac{\rho_b}{1.29}} \text{ resp. } \dot{V}_b = \dot{V} \cdot \sqrt{\frac{1.29}{\rho_b}}$$



Design subject to change