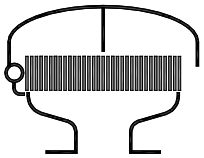
KITO Armaturen GmbH

Type sheet

Deflagration and endurance burning proof ventilation hood

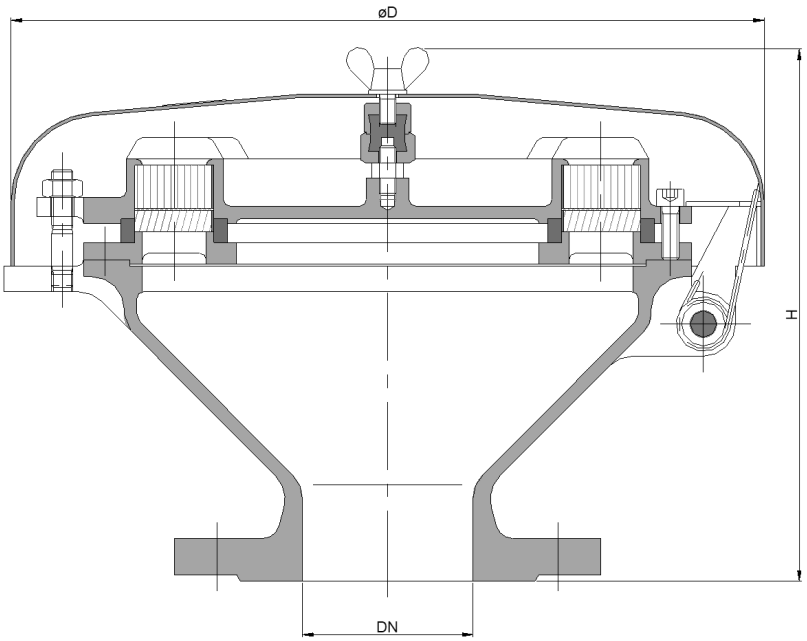
KITO® BEH-6-IIB3-…-K

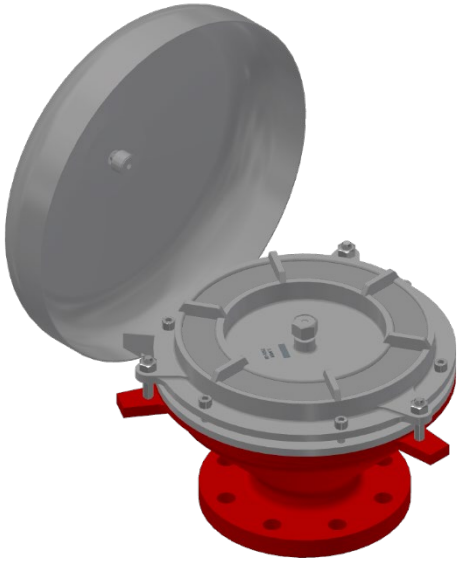


Application

As an end-of-line flame arrester to protect vent openings of storage tanks. Explosion and endurance burning proof for all inflammable liquids and vapors of explosion group IIB3 with a maximum experimental safe gap (MESG) ≥ 0.65 mm and an maximum operating temperature of 60 °C. This device is not permitted to be installed in enclosed areas. Installation on top of storage tanks, tank access covers or breather pipelines. The flame arrester protects a tank against flashbacks but allows the flow of gases out into the atmo-sphere and air into the tank.

Dimensions (mm)





DN		D	H	kg
DIN	ASME			
80 PN 16	-	353	250	23
100 PN 16	-			24

Weight refers to the standard design

Example for order

KITO® BEH-6-IIB3-80-K
(design with flange connection DN 80 PN 16)

Type examination certificate to EN ISO 16852 and CE-marking in accordance to ATEX-Directive 2014/34/EU

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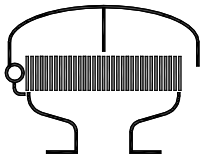


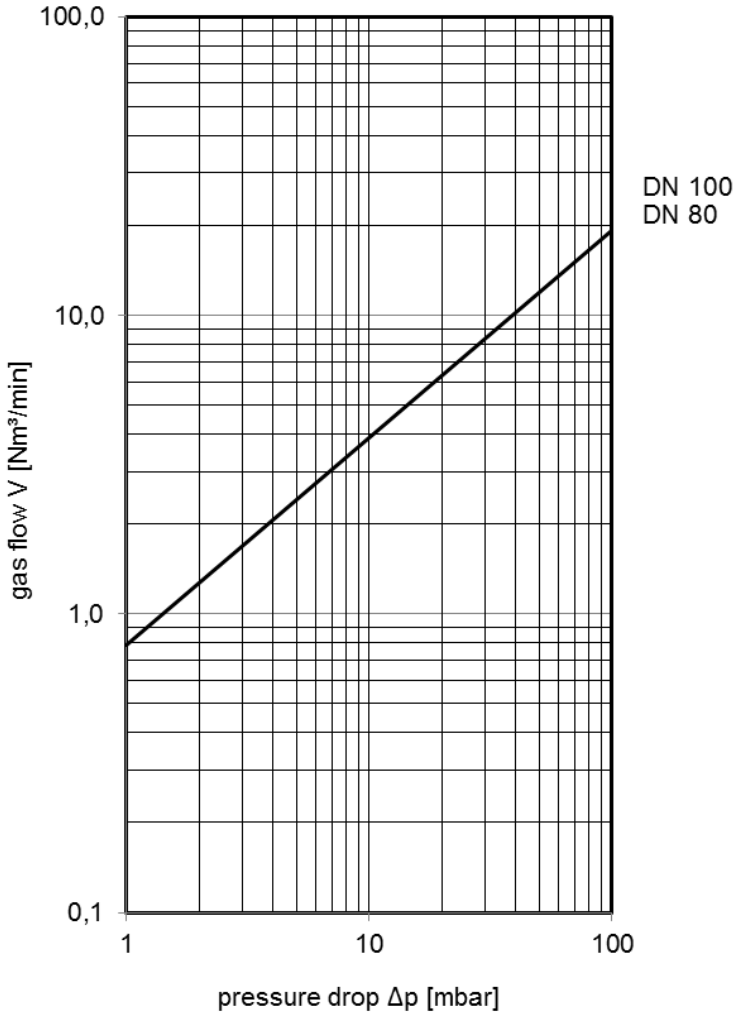
Design

	standard	optionally
housing	cast steel 1.0619	stainless cast steel 1.4408
KITO®-flame arrester element	completely interchangeable	
KITO®-casing / KITO®-grid	stainless steel mat. no. 1.4308 / 1.4310	stainless steel mat. no. 1.4408 / 1.4571
weather hood	steel, hood can fold automatically as a result of folding mechanism and fusing element	stainless steel mat. no. 1.4571, hood can fold automatically as a result of folding mechanism and fusing element
connection	flange EN 1092-1 type B1	

performance curves

Flow capacity V based on air of a density ρ = 1.29 kg/m³ at T = 273 K and atmospheric pressure p = 1.013 mbar. For other gases the flow can be approximately calculated by

$$\dot{V} = \dot{V}_b \cdot \sqrt{\frac{\rho_b}{1.29}} \quad or \quad \dot{V}_b = \dot{V} \cdot \sqrt{\frac{1.29}{\rho_b}}$$



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