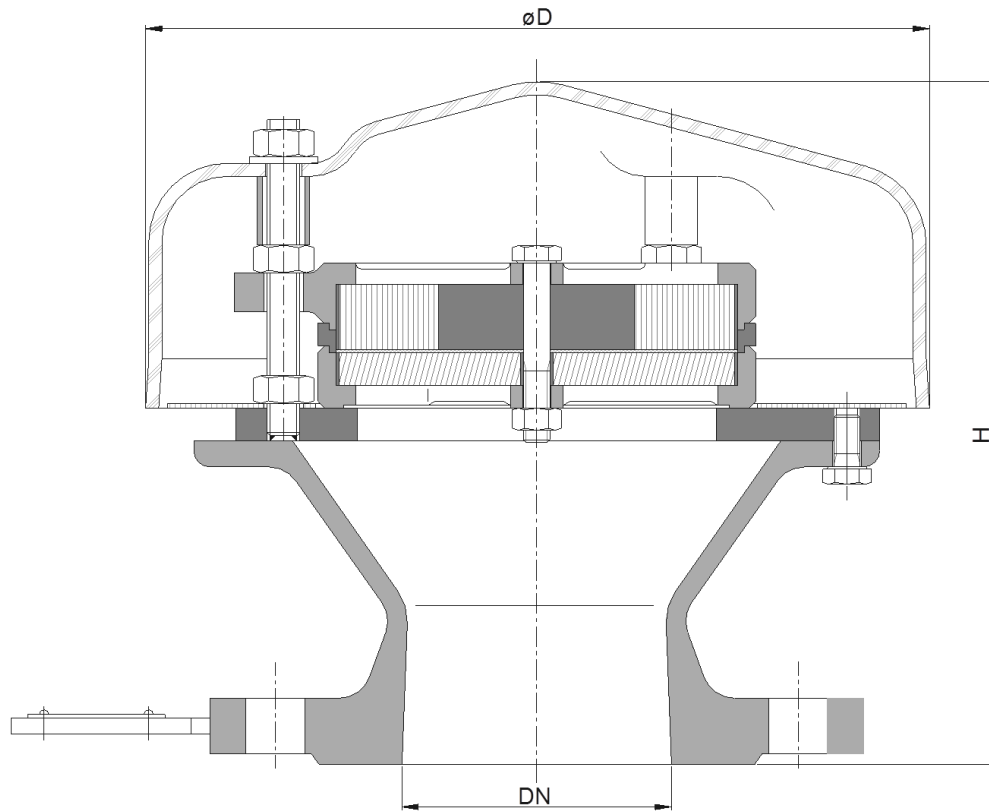


Hooded Tank Vent
KITO® BEH-3-...-IIB1



Example to order :

KITO® BEH-3-2"-IIB1
 (design with flange connection ANSI 2" 150 lbs.)

Type examination certificate to DIN EN ISO 16852

CE -designation in accordance to ATEX-Guideline 94/9/EC

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



DN	ANSI	D	H	kg*
50 PN 16	2"	240	200	9
65 PN 16	2 1/2"		209	12
80 PN 16	3"			

Dimensions in mm

* weight refers to the standard design

Design subject to change

performance curves : B 0.4 N

Standard design

- housing : cast steel 1.0619,
stainless cast steel 1.4408
- KITO® flame arrester element : completely interchangeable
- KITO® casing : stainless cast steel 1.4408
- KITO® grid : stainless steel 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 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. 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 atmosphere and air into the tank.

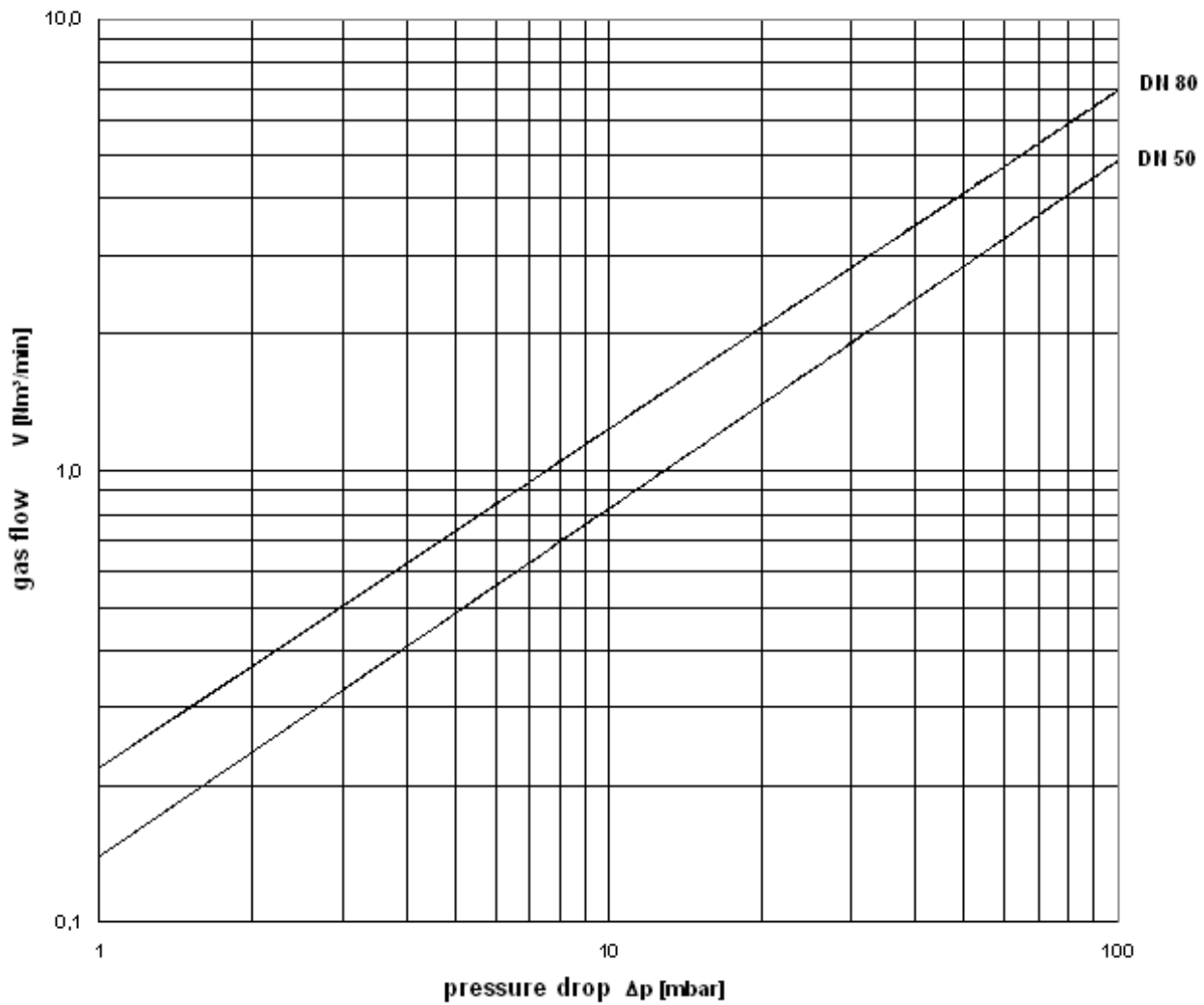


Hooded Tank Vent KITO® BEH-3-...-IIB1 B 4 N

The flow capacity V refers to a density of air with $\rho = 1.29 \text{ kg/m}^3$ at $T = 273 \text{ K}$ and a pressure of $p = 1.013 \text{ mbar}$

The flow capacity for gases with different densities can be calculated sufficiently accurate by the following approximation equation:

$$\dot{V} = \dot{V}_b \cdot \sqrt{\frac{\rho_b}{1.29}} \quad \text{resp.} \quad \dot{V}_b = \dot{V} \cdot \sqrt{\frac{1.29}{\rho_b}}$$



Design subject to change