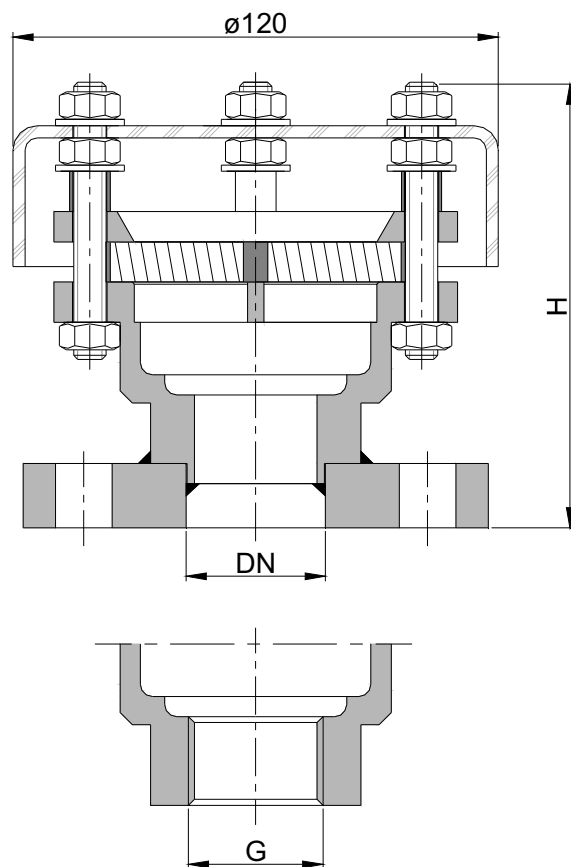
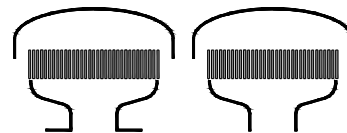


**Deflagration proof ventilation hood**

**VEH-4-IIB3-...**

**VEH-5-IIB3-...**



Example for order:

**KITO® VEH-4-IIB3-20**

(design with flange connection DN 20 PN 40)

**Type examination certificate to DIN EN ISO 16852**

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

type	thread	flange	D	H (thread)	H (flange)	kg* (thread)	kg* (flange)
VEH-4-IIB3-...	G 1/2"	DN 15 PN 40	90	86	100	0.6	1.3
	G 3/4"	DN 20 PN 40				0.6	1.4
VEH-5-IIB3-...	G 1"	DN 25 PN 40	120	100	116	1.1	2.3
	G 1 1/4"	DN 32 PN 40				1.0	2.6

dimensions in mm

\* weight refers to the standard design

Design subject to change

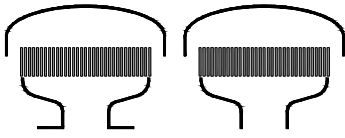
performance curves: B 0.8 N

Standard design

- housing : steel, stainless steel mat. no. 1.4571
- KITO® flame arrester element : completely interchangeable
- KITO® casing : stainless steel mat. no. 1.4571
- KITO® grid : stainless steel mat. no. 1.4310, 1.4571
- weather hood : PMMA
- flange connection : DIN EN 1092-1 form B1, threaded format, ANSI 150 lbs. RF

Application

As breather/venting safety device for small tank facilities, explosion proof for flammable fluids of explosion group IIB3 with a gap width (NSW) ≥ 0.65 mm. This device is not permitted to be installed in enclosed areas. Structure on storage tanks, tank covers or at the end of ventilation pipes. The end armature prevents passage of flame into the tank. The gases enter the storage medium unimpeded into the atmosphere.



## Deflagration and endurance burning proof ventilation hood

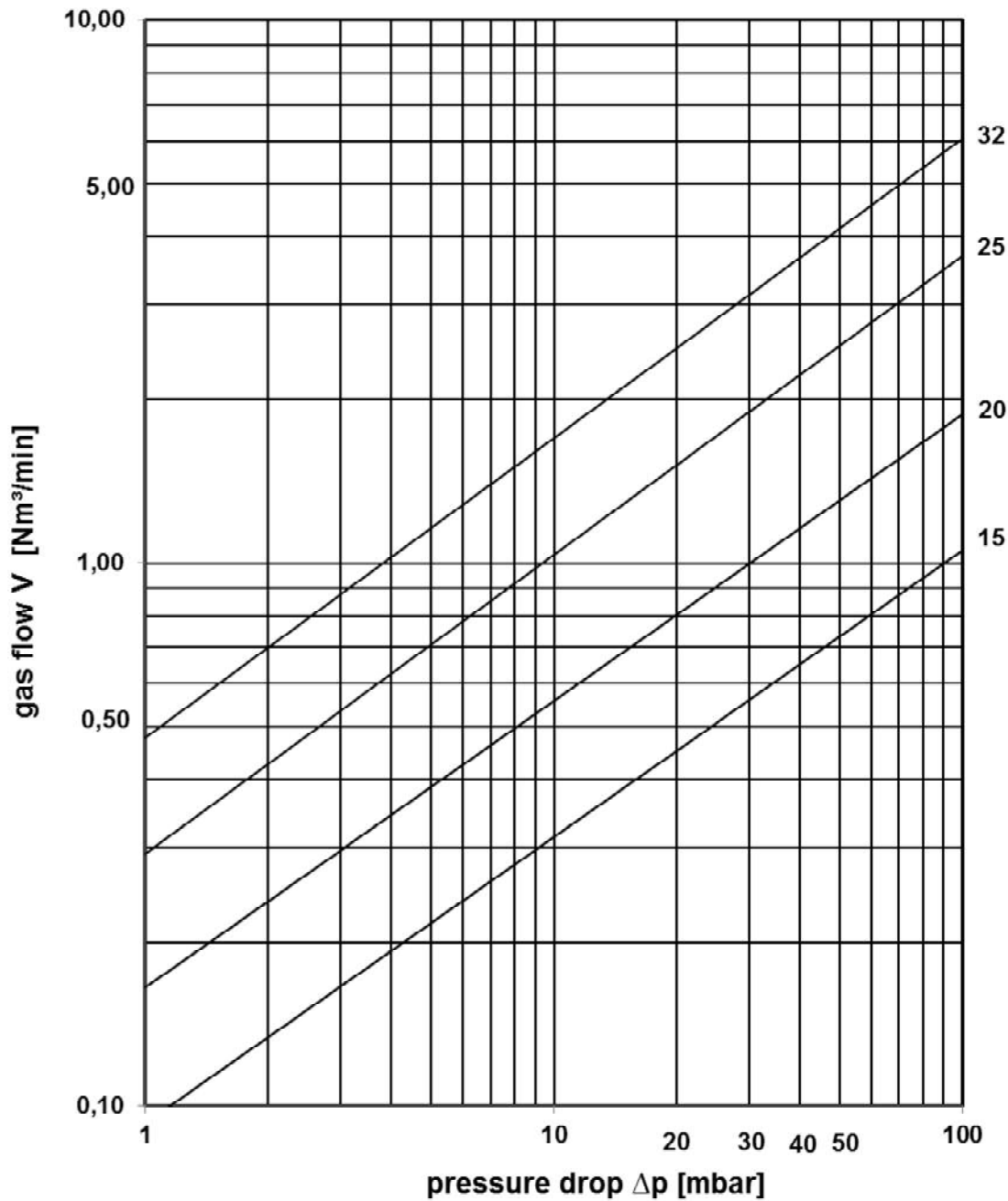
VEH<sup>®</sup>-4-IIB3-...

VEH<sup>®</sup>-5-IIB3-...

B 8 N

Flow capacity  $V$  based on air of a density  $\rho = 1.29 \text{ kg/m}^3$  at  $T = 273 \text{ K}$  and atmospheric pressure  $p = 1.013 \text{ mbar}$ . For other gases the flow can be approximately calculated by

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



Design subject to change