

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

Example to order:
KITO® FL/INO-65-IIB3

DN	ANSI	D	H	kg*
25 PN 40	1"	115	500	8
32 PN 40	1 ¼"	140	580	11
40 PN 40	1 ½"	168	700	19,5
50 PN 16	2"	168	700	20
65 PN 16	2 ½"	220	825	40
80 PN 16	3"	245	925	52
100 PN 16	4"	325	1050	95
125 PN 16	5"	356	1150	126
150 PN 16	6"	500	1450	228
200 PN 10	8"	600	1750	427
250 PN 10	10"	700	2100	603

Dimensions in mm

* weights refer to the standard design

Design subject to change

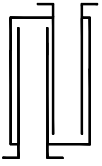
performance curves: G 0.14.1N

Standard design

- housing : steel,
stainless steel mat. no. 1.4571,
- outlet : beveled end
- flange connections : DIN EN 1092-1 form B1,
ANSI 150 lbs. RF

Application

as end-of-line armature, detonation-proof and flameproof, used for mounting on the pipes end of **filling pipes** inside of tanks, in which inflammable liquids of the explosion groups IIB3 are stored, with a nominal gap width (MESG) of ≥ 0.65 mm.
Tested and approved as detonation flame arrester **type 4**.
Particularly suitable for horizontal and underground vessels. Mounting position is perpendicular.
It is only allowed to install pipes of nominal widths \leq than the nominal widths of the flange. The body of the housing has to be permanently filled with storage liquid.
Equipped with a hexagon head pipe plug for emptying the liquid.

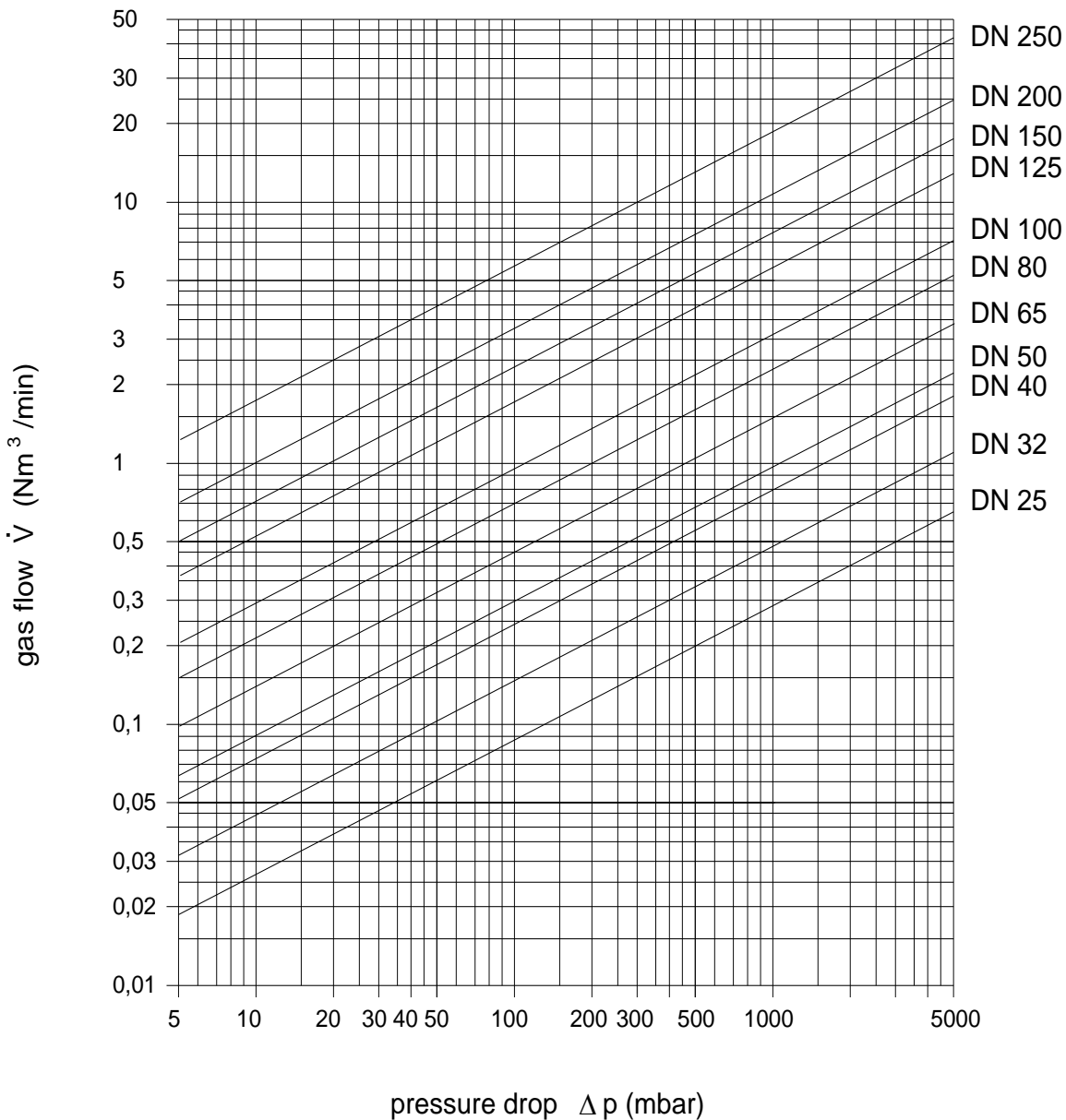


Liquid Product Seal
KITO® FL/INO-...-IIB3
G 14.1 N

The volume flow V in Nm^3/min was determined with water according to DIN EN 60534 at a temperature $T_n = 15^\circ\text{C}$ and an atmospheric pressure $\rho_n = 1013 \text{ mbar}$.

For media of different density the flow rate may be calculated with an appropriate accuracy with this formula :

$$\dot{V}_{\text{liquid}} \cong \dot{V}_{\text{water}} \cdot \sqrt{\frac{\rho_{\text{water}}}{\rho_{\text{liquid}}}}$$



Design subject to change