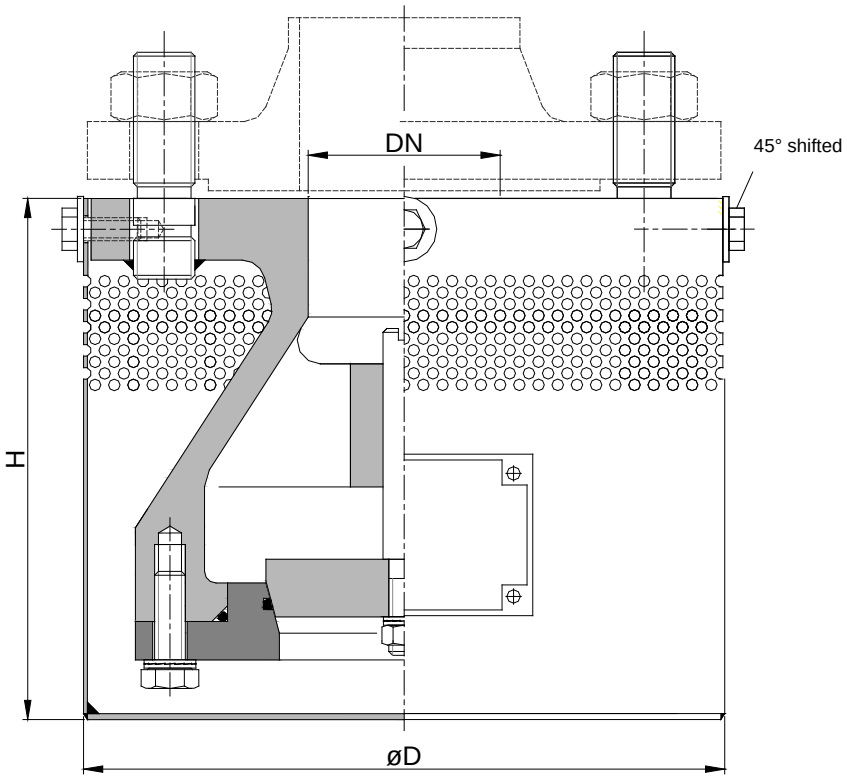
Foot Valve
KITO® NRV-...-IIB3



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

Example to order :
KITO® NRV-100-IIB3
(flange connection DN 100 PN 16)

DN	D	H	kg*
25 PN 40	144	125	7.1
32 PN 40	144	125	7.0
40 PN 40	169	135	9.6
50 PN 16	169	135	11.4
65 PN 16	189	150	14.3
80 PN 16	204	165	14.3
100 PN 16	239	200	21.0
125 PN 16	300	235	37.2
150 PN 16	350	260	49.5

Dimensions in mm * weight refers to the standard design

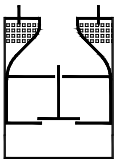
Design subject to change performance curves: G 0.12 N

Standard design

housing / suction cup	: GS-C25 (1.0619) / mat. no. 1.4301, mat. no. 1.4408 / 1.4571
valve seat and spindle	: mat. no. 1.4571
valve sealing	: PTFE
valve cone	: mat. no. 1.4571
flange connection	: DIN EN 1092-1, with suitable studs for easy connection; socket thread

Application

For end of line service, detonation proof, valve with superposed valve pallets, for installation into suction pipes of underground tanks in which inflammable liquids of explosion group IIA1 to IIB3 with a maximum experimental safety gap (MESG) ≥ 0.65 mm are stored.
Tested and approved as detonation flame arrester **type 4.**
A draining of the liquid column will be prevented reliably.
Installation of the foot valve has to be exact vertically at the end of the suction pipe. It is not allowed to connect it to pipelines with a larger diameter than the connecting size of valve itself.



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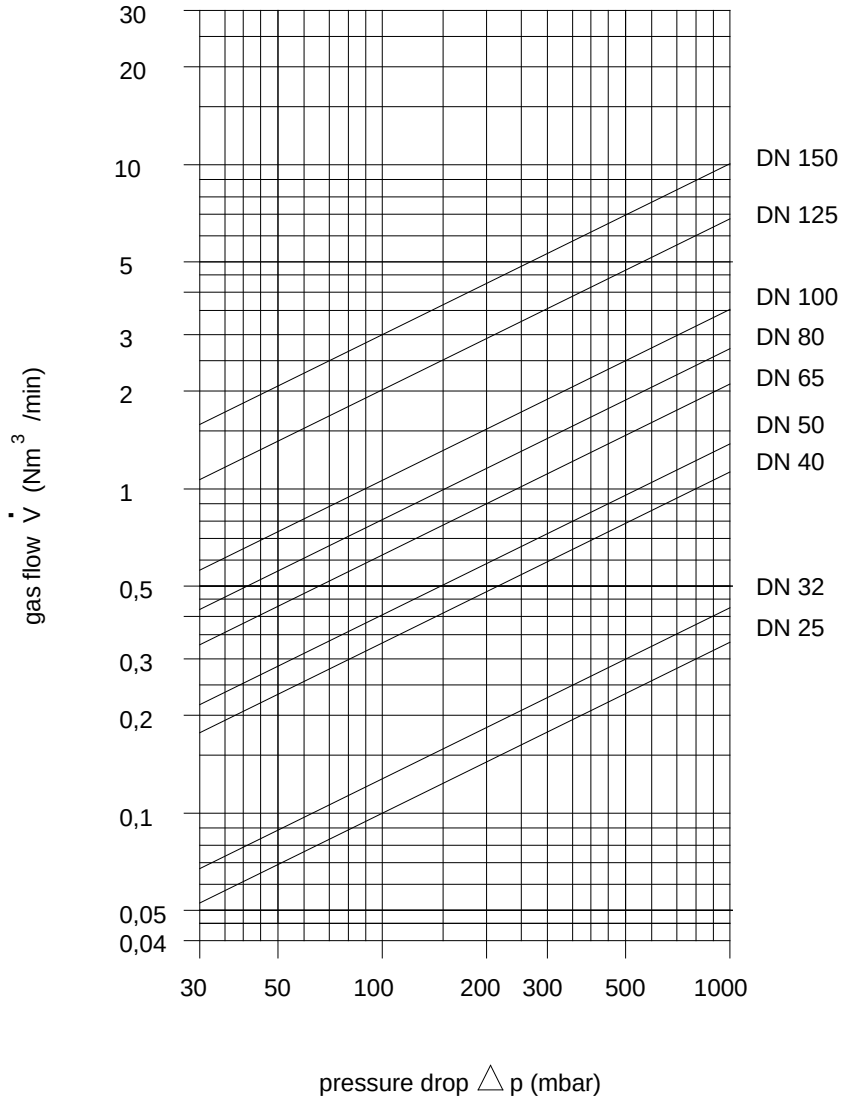
G 12 N

The volume flow V in Nm^3/min was determined with water according to DIN EN 60534 at a temperature T_n = 15°C and an atmospheric pressure ρ_n = 1013 mbar.
For media of different density the flow rate may be calculated with an appropriate accuracy with this formula :

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



Design subject to change