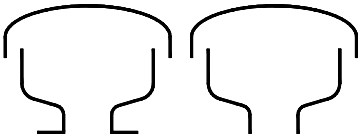
KITO Armaturen GmbH

Type sheet
Ventilation hood
KITO® Rh/o-…

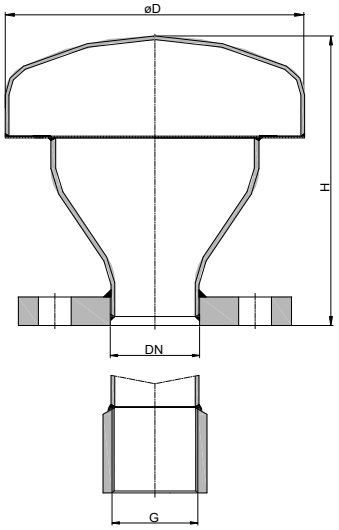


Application

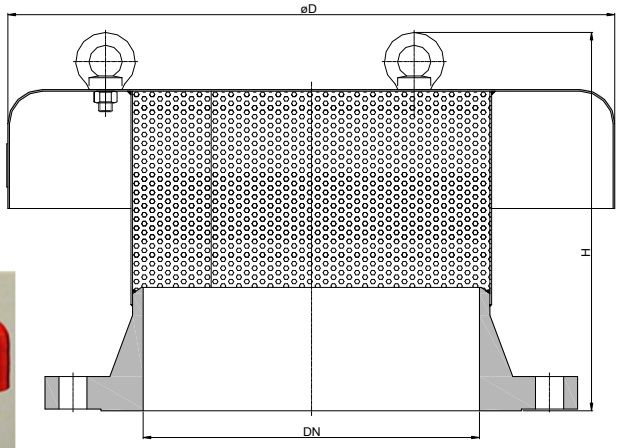
As a hooded breather/venting device to protect the storage tanks contents from contamination by the elements and extraneous objects whilst still allowing for the unimpeded flow of gases out to atmosphere and air into the tank/pipe thereby preventing vacuum locks.
This device does not incorporate a KITO® flame arrester.

Dimensions (mm)

Design DN 25-150



Design DN 200-600



DIN	DN ASME	G	D	H	kg
25 PN 40	1“	1“	89	113	1.8
32 PN 40	1 ¼“	1 ¼“	114	136	2.8
40 PN 40	1 ½“	1 ½“	159	150	5.0
50 PN 16	2“	2“	159	150	5.4
65 PN 16	2 ½“	2 ½“	194	180	6.1
80 PN 16	3“	3“	194	188	6.9
100 PN 16	4“	4“	245	216	9.0
125 PN 16	5“	5“	300	227	13.6
150 PN 16	6“	6“	300	227	14.8
200 PN 10	8“	-	406	300	13.8
250 PN 10	10“	-	550	338	
300 PN 10	12“	-	550	350	20.4
350 PN 10	14“	-			
400 PN 10	16“	-	600	344	40.0
500 PN 10	20“	-	715	480	
600 PN 10	24“		1040	682	

Weight refers to the standard design

Example for order

KITO® Rh/o-50
(design with flange connection DN 50 PN 16)

Without EC certificate and CE-marking

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"

"

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B 3 N
Date: 07-2022
Created: Abt. Doku KITO
Design subject to change

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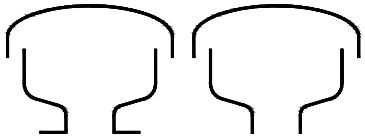


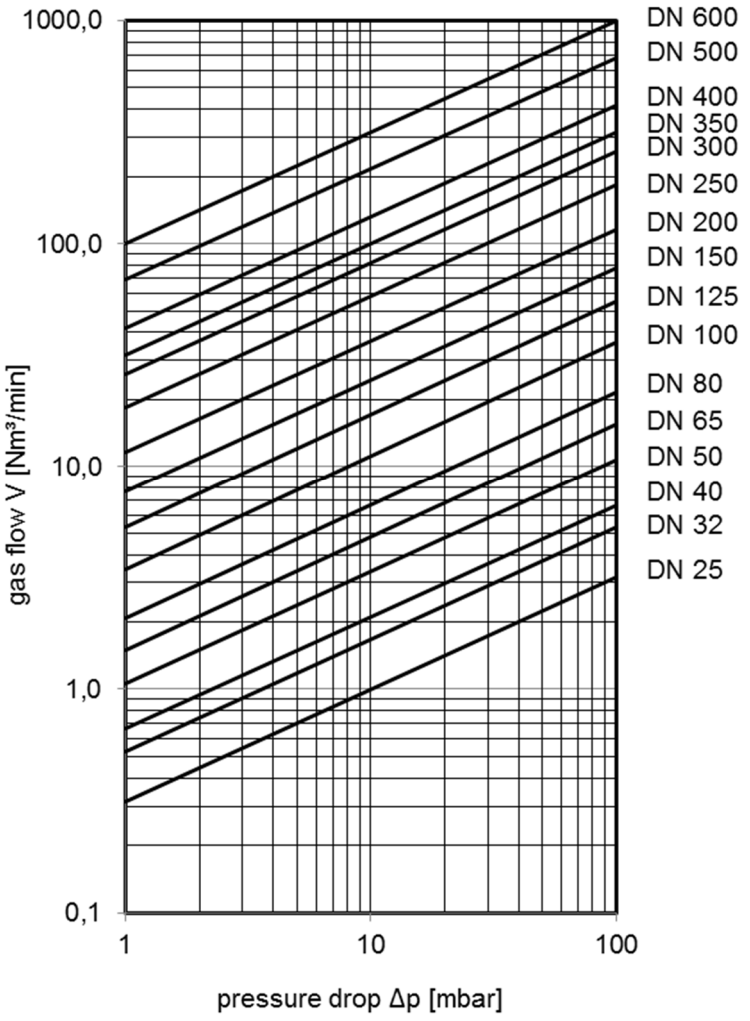
Design

	standard	optionally
housing	steel	stainless steel mat. no. 1.4571
weather hood	steel (≥ DN 200 stainless steel)	stainless steel
protective screen	stainless steel mat. no. 1.4301	stainless steel mat. no. 1.4571
connection	flange EN 1092-1 (DN 25-150 type A DN 200-600 type B1)	flange ASME B16.5 Class 150 RF, threaded format

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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