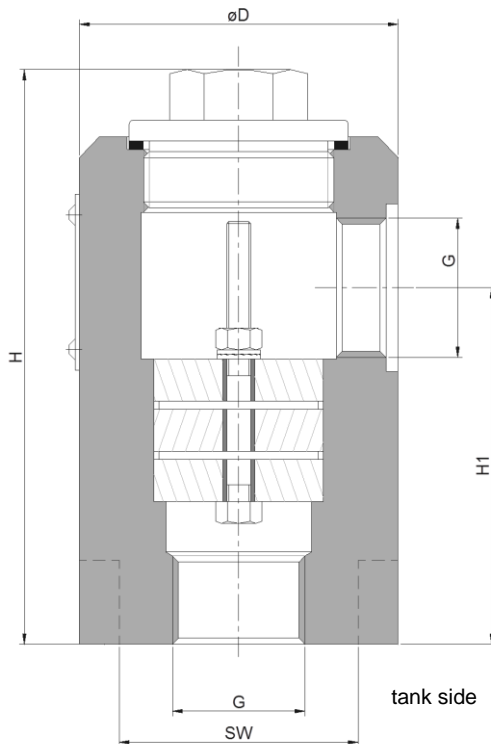
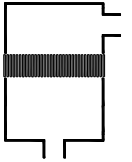


Detonation flame arrester
KITO® Rd/C-Det4-IIA-...-1.2



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

thread G	D	H	H1	SW	kg*
G 1/8"	80	137	85	60	4.5
G 1/4"					
G 3/8"					
G 1/2"					
G 3/4"					
G 1"					

Dimensions in mm

* weight refers to the standard design

Example to order :

KITO® Rd/C-Det4-IIA-1"-1,2
 (design with threaded connections 1")

Design subject to change

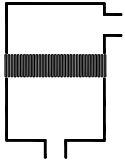
performance curves: M 0.5 N / G 0.5 N

Standard design

housing : St 52-3N,
 stainless steel mat. no. 1.4571
 gasket : HD 3822, PTFE
 KITO® flame arrester element : completely interchangeable
 KITO® grid : stainless steel mat. no. 1.4310,
 1.4571,
 connection : thread connection

Application

Detonation flame arrester for installation into pipes to protect containers and components against **stable** detonation of flammable liquids and gases.
 Tested and approved as detonation flame arrester **type 4**.
 Approved for all substances of explosion groups IIA1 to IIA with a maximum experimental safe gap (MESG) > 0.9 mm.
 An operating pressure of 1.2 bar abs. and an operating temperature of 60°C must not be exceeded.
 Positioning should be as close as possible to the protected object; it is only allowed to connect pipes with the same or a smaller diameter than the diameter (G) of the device.
 The installation of the detonation flame arrester into horizontal and vertical pipes is permissible.

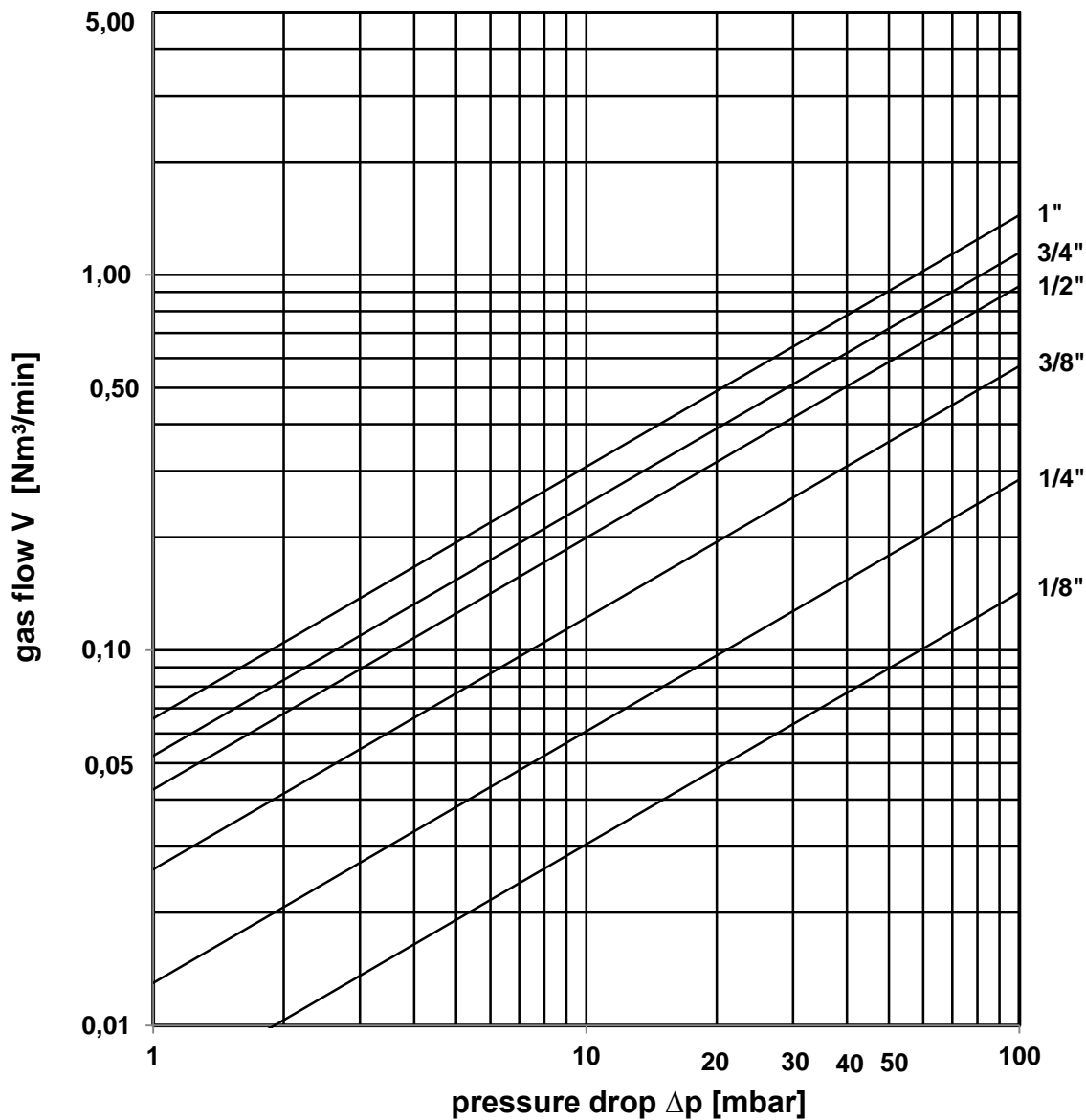


Detonation flame arrester
KITO® Rd/C-Det4-IIA-...-1.2
M 5 N / G 5 N

The flow capacity V refer 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:

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



Design subject to change