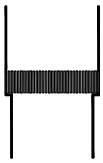
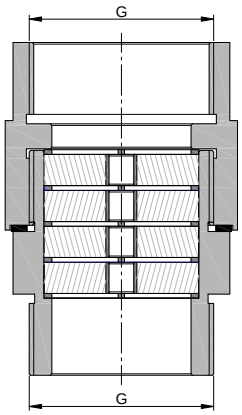
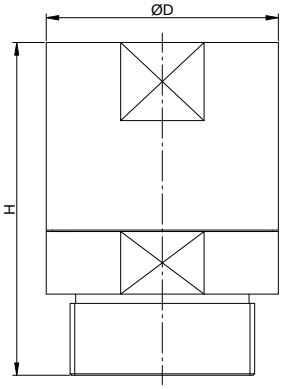
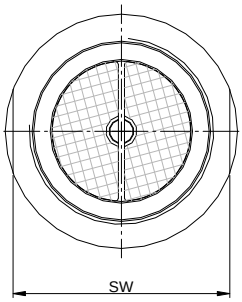
Bi-directional in-line detonation flame arrester
KITO® FS-Det4-IIC-…“-1,2









Type examination certificate to EN ISO 16852

CE designation in accordance to ATEX-Directive 2014/34/EU

thread	D	H	SW
G ½“	35	69	30
G ¾“	40	69	36
G 1“	45	69	41
G 1 ¼“	55	107	50
G 1 ½“	60	107	55
G 2“	75	107	70

Design subject to change

performance curves: G 0.32 N

Standard design

housing : stainless steel 1.4571
KITO® grid : stainless steel 1.4571
interlayer : stainless steel 1.4571
gasket : PTFE
connections : thread inside and outside

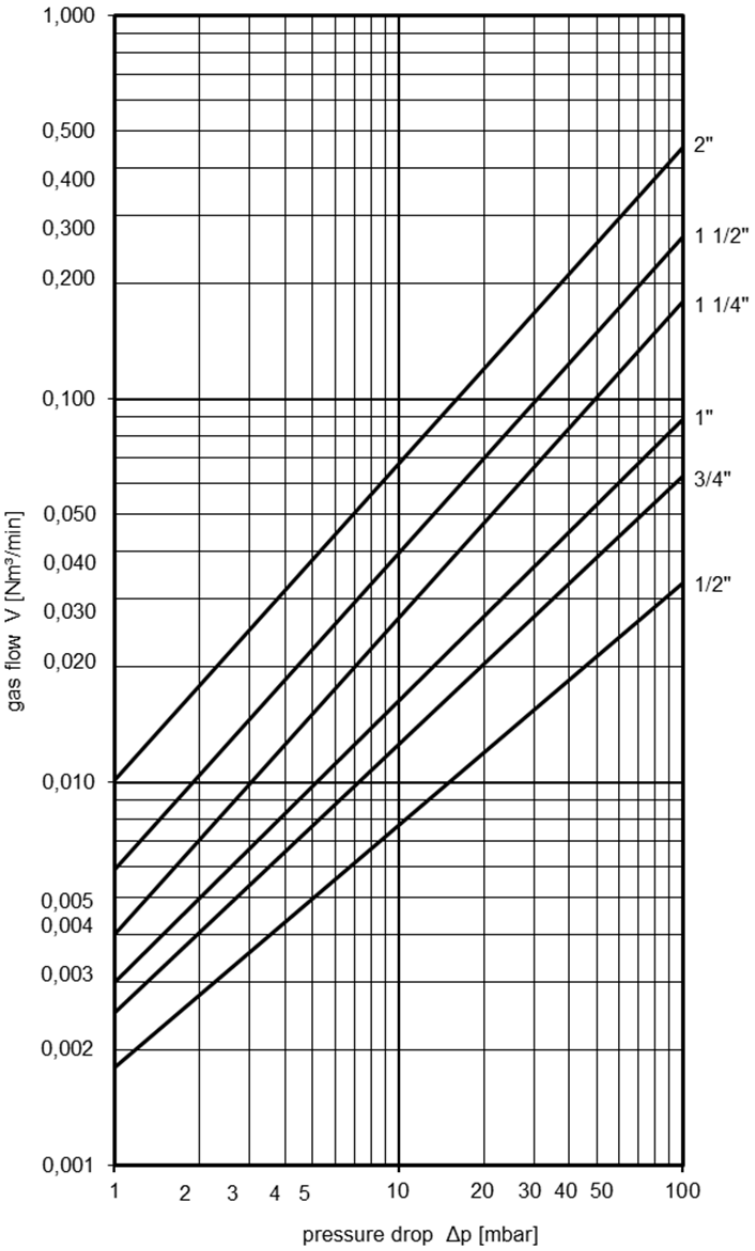
Application:

Installation into pipelines as inline deflagration flame arrester e. g. for the protection of ignition gas lines or measuring devices. Applicable for all materials of the explosion groups IIA1 up to IIC with a Maximum Experimental Safe Gap (MESG) < 0.5 mm. Operating from both sides, for a maximum operating pressure of 1.2 bar abs. and a maximum operating temperature of 60°C.

Example for orders :
KITO® FS-Det4-IIC-1”-1,2

The flow capacity V refers to a density of air with ρ = 1.29 kg/m³ at T = 273 K and a pressure of p = 1.013 mbar.
The flow capacity for gases with different densities can be calculated sufficiently accurate by the following approximation equation:

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



Design subject to change