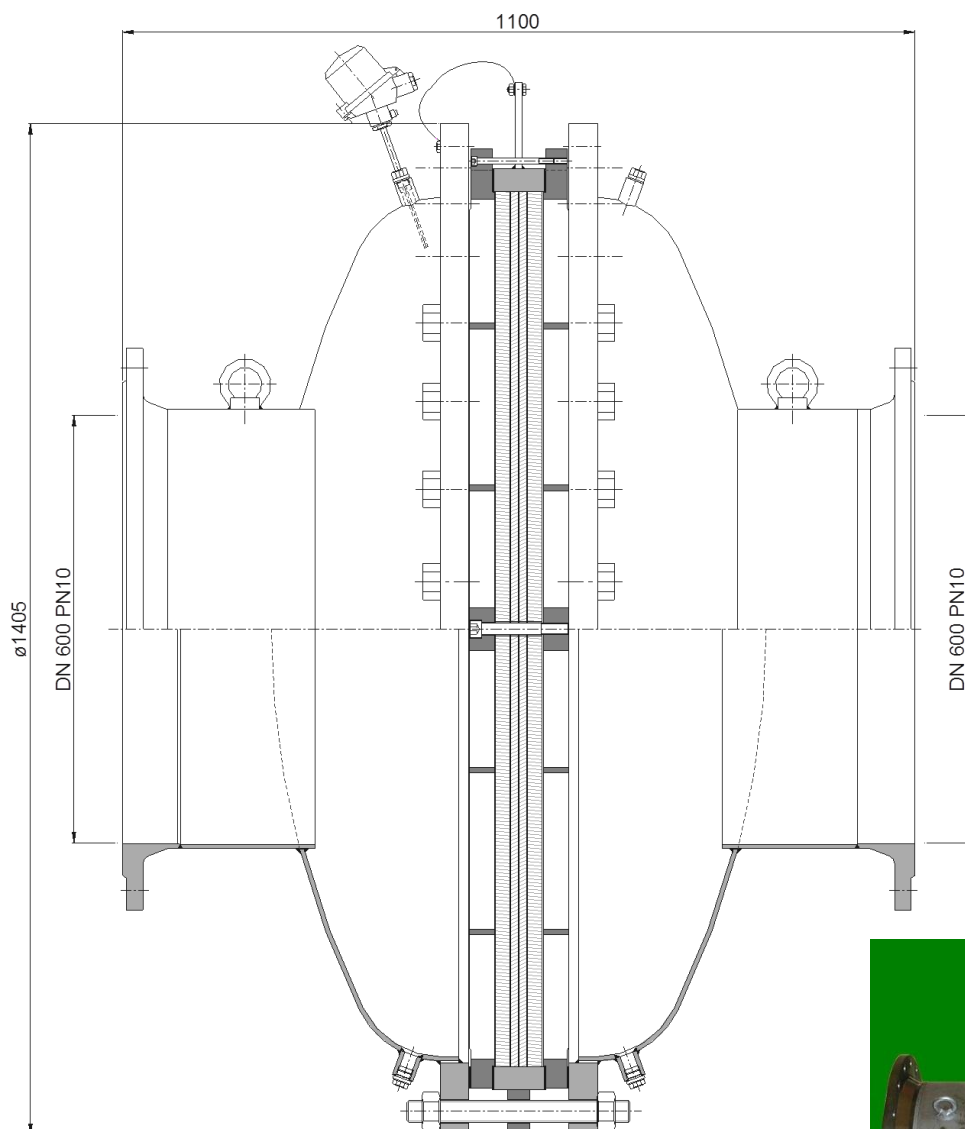
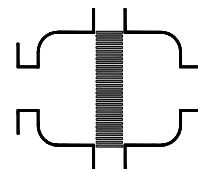


In-line Deflagration Flame Arrester
KITO® RV/N-1200/600-IIA-1.6
KITO® RV/N-1200/600-IIA-1.6-T (-TT)



Dimensions in mm

Weight: ~ 980 kg

Type examination certificate to DIN EN ISO 16852

CE -designation in accordance to ATEX-Guideline 94/9/EC

Design subject to change

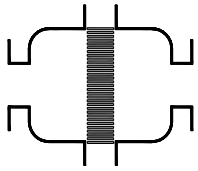
performance curves: H 0.26.1 N

Standard design

housing	: <u>steel</u> , stainless steel mat. no. 1.4301 / 1.4571
KITO® flame arrester element	: completely interchangeable
KITO® casing	: <u>steel</u> , stainless steel mat. no. 1.4301 / 1.4571
KITO® grid	: stainless steel <u>1.4310</u> / 1.4571
temperature sensor	: PT100 (option)
condensate drain connecting piece	: G ½"
flange connection	: <u>DIN EN 1092-1 PN 10 form B1</u> ANSI 150 lbs. RF

Application

intermediate armature, mainly installed as in-line deflagration flame arrester in pipes to thermal incineration plants for vapor/air and air/gas mixtures. Bi-directionally working in pipes, whereby an operating pressure of 1.6 bar abs. and an operating temperature of 200°C must not be exceeded. Approved for all substances of the explosion group IIA with a MESG > 0.9 mm. The maximum length of the pipe from the KITO® flame arrester to the ignition source is limited (< 50 x D). It is only allowed to install the device in pipes with nominal widths ≤ than the nominal width of the armature (DN). The thermal sensor serves to trigger an emergency function, e.g. shutting off or inerting the gas flow if a stabilized burning occurs at the KITO® flame arrester.

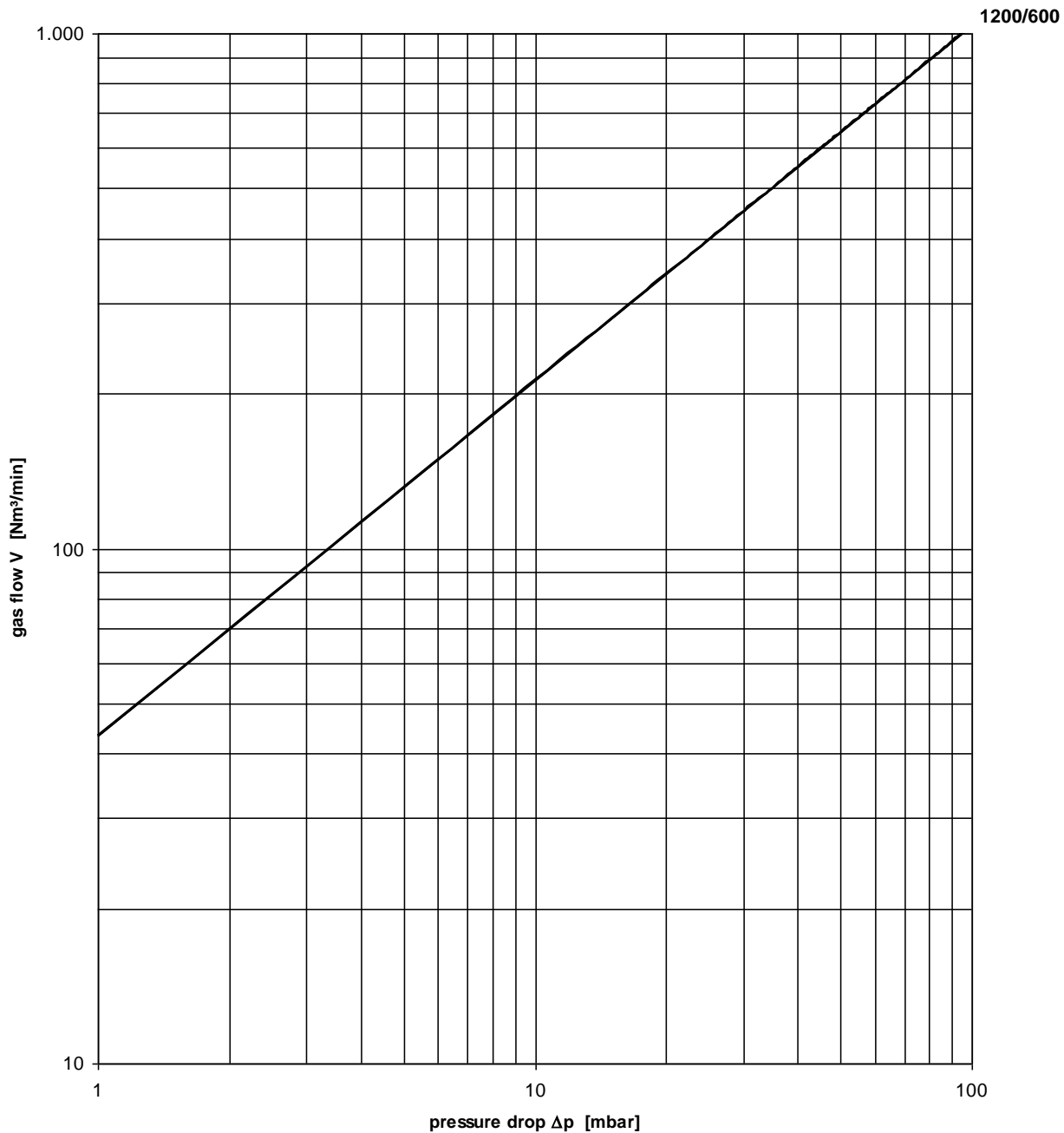


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H 26.1 N

The gas flow V is referenced to air with a density of $\rho = 1.29 \text{ kg/m}^3$.

For other gases the flow can be approximately calculated by:

$$\dot{V} = \dot{V}_b \cdot \sqrt{\frac{\rho_b}{1.29}} \text{ bzw. } \dot{V}_b = \dot{V} \cdot \sqrt{\frac{1.29}{\rho_b}}$$



Design subject to change