

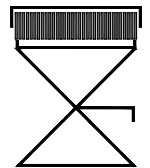


KITO

Armaturen GmbH

Type sheet

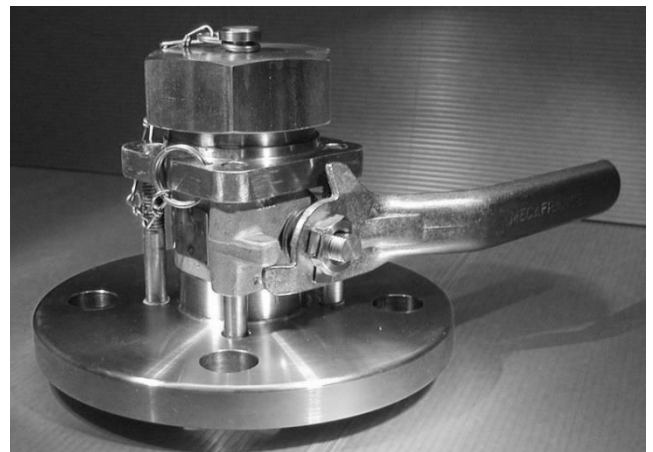
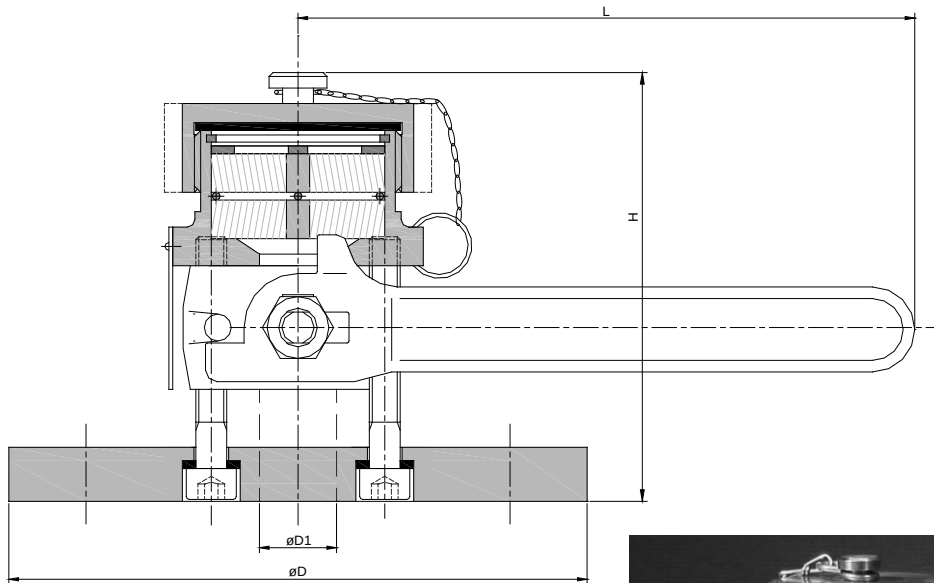
Deflagration and endurance burning proof pressure relief device
KITO® DE/cont. 20



Application

Endurance burning proof pressure relief device for portable tanks (GGVSE/ADR and GGVSE/RID) for the transport of flammable liquids and gases of explosion group IIB3 (MESG ≥ 0.65 mm) with exception of carbon disulphide. An operating temperature of 60 °C must not be exceeded. For safe tank pressure relief to the atmosphere before opening of the tank caps or connected lines. A pipe connection instead of the cap is not allowed.

Dimensions (mm)



DIN	ASME	D	D1	H	L	kg
40 PN 40	1 1/2"	150	20	111	160	1.7

Weight refers to the standard design

Example for order

KITO® DE/cont. 20 DN 40 PN 40

(design with flange connection DN 40 PN 40 type A)

Type examination certificate to EN ISO 16852 and CE-marking in accordance to ATEX-Directive 2014/34/EU

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Date: 05-2018
Created: Abt. Doku KITO
Design subject to change



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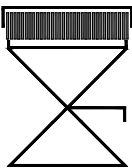
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Deflagration and endurance burning proof pressure relief device

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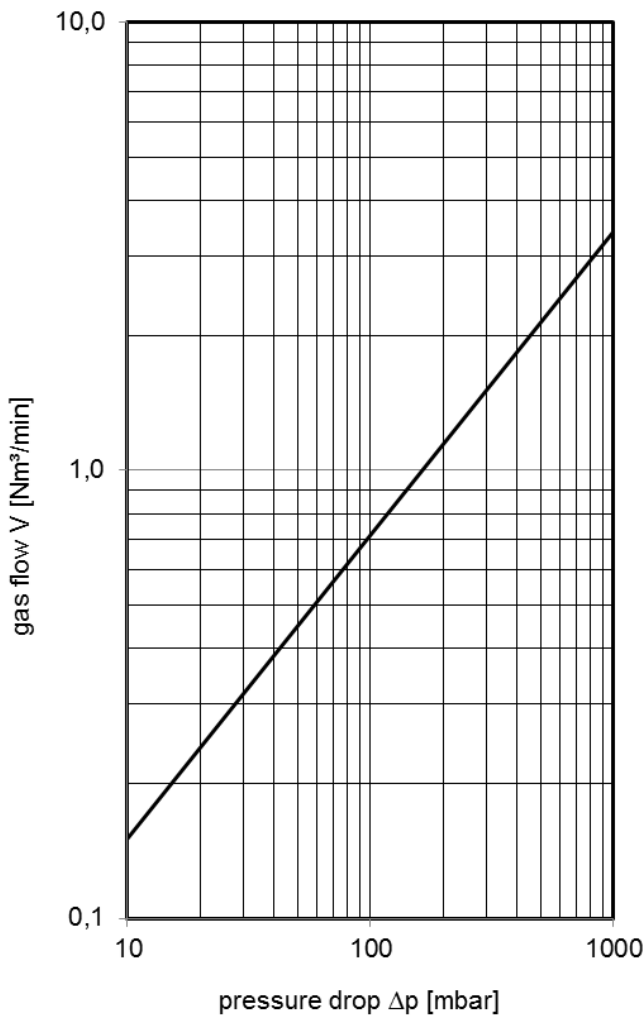
Design

	standard	optionally
ball valve	stainless steel mat. no. 1.4401	
housing	stainless steel mat. no. 1.4581	
KITO®-gridt	stainless steel mat. no. 1.4571	
gaskets	PTFE	
bolts	A4	
screw cap	stainless steel mat. no. 1.4571	
flange connection	drilled to EN 1092-1 type A	drilled to ASME B16.5 Class 150 RF

Performance curves

Flow capacity V based on air of a density $\rho = 1.29 \text{ kg/m}^3$ at $T = 273 \text{ K}$ and atmospheric pressure $p = 1.013 \text{ mbar}$. For other gases the flow can be approximately calculated by

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



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