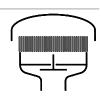
Type sheet

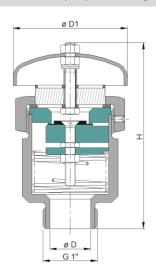
Deflagration proof vacuum relief valve **KITO**® **VS/cont.** ...

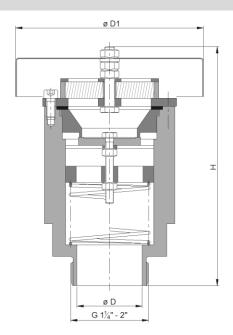


Application

Explosion proof end-of-line vacuum relief valve for storage tanks, vessels and pipes to prevent inadmissible vacuum. Approved for flammable liquids of explosion group IIB3 (MESG) \geq 0.65 mm. An maximum operating temperature of 60 °C must not be exceeded. Suitable also for portable tanks for the transport of flammable liquids.

Dimensions (mm) and settings (mbar)







size	D	D1	н	kg	setting
G 1"	25	70	110	1	
G 1 ¼"	32	115	145	3	5 - 210
G 1 ½"	40				
G 2"					

Weight refers to the standard design

Design

	size G 1"	size G 1 ¼", G 1 ½" , G 2"		
housing	stainless	stainless steel mat. no. 1.4571		
KITO®-flame arrester element	comple	completely interchangeable		
KITO®-casing / KITO®-grid	stainless	stainless steel mat. no. 1.4571		
valve seat / valve pallet	PTFE	stainless steel mat. no. 1.4571		
sealing	FEP	PTFE		
compression spring	stainless	stainless steel mat. no. 1.4571		
weather hood	stainless steel mat. no. 1.4301	stainless steel mat. no. 1.4571		
connection	th	threaded format		

Example for order

KITO® VS/cont. 2"

(design with threaded connection G 2")

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

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M8N/D8N

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



Type sheet

Deflagration proof vacuum relief valve **KITO**[®] **VS/cont.** ...

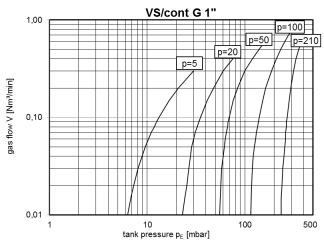


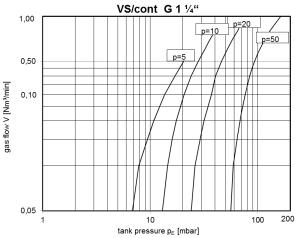
Performance curves

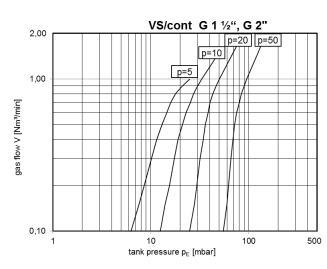
The flow capacity V refers to a density of air with ρ = 1.29 kg/m³. The flow capacity for gases with different densities can be calculated sufficiently accurate by the following approximation equation:

$$\overset{\cdot}{V}_{40\%} = \overset{\cdot}{V}_b \!\cdot \sqrt{\frac{\rho_b}{1.29}}$$

$$\overset{\cdot}{\mathbf{V}}_{\mathrm{b}} = \overset{\cdot}{\mathbf{V}}_{40\%} \cdot \sqrt{\frac{1.29}{\rho_{\mathrm{b}}}}$$







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