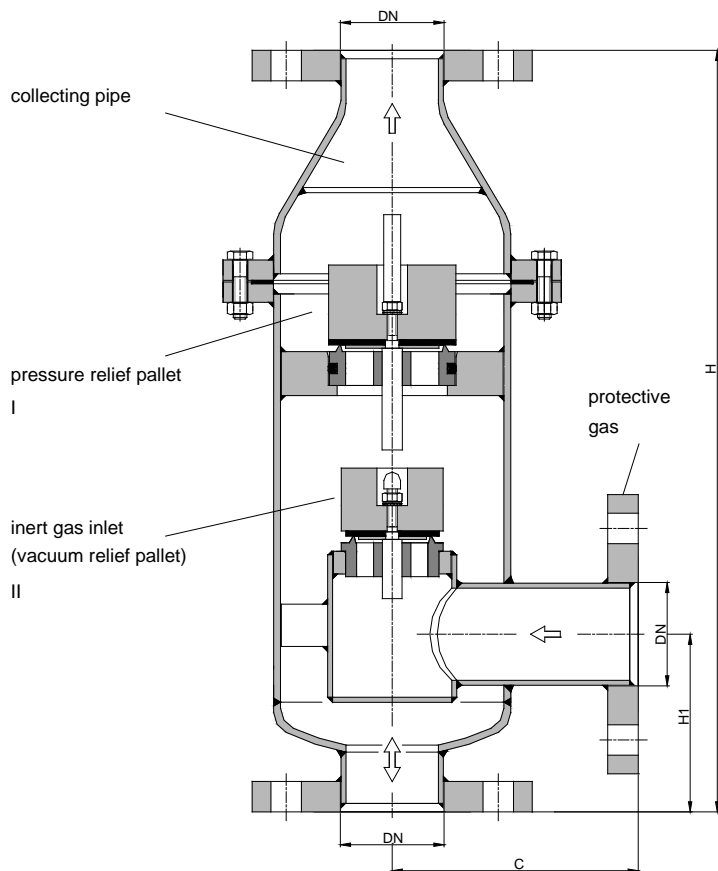
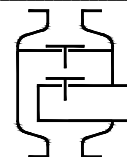


Combined Relief Valve KITO® VD/o3



Without EC certificate and € -designation

DN	ANSI	C	H	H1	kg*	setting I (mbar)		setting II (mbar)	
						min.	max.	min.	max.
50 PN 16	2"	145	450	105	20	2.0	140	2.9	75
80 PN 16	3"	175	595	163	45	1.6	95	2.0	115
100 PN 16	4"	190	600	190	54	1.6	85	1.6	100

Dimensions in mm

* Indicated weights are understood without weight load and refer to the standard design.

Standard valve setting 7-30 mbar -different settings against additional price-

Design subject to change

performance curves: F 0.18 N

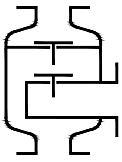
Standard design

housing/connecting piece : steel,
stainless steel mat. no. 1.4571
valve seat / valve spindle : stainless steel mat. no. 1.4571
valve sealing : NBR, Viton, PTFE
gasket : HD 3822, PTFE
flange connection : DIN EN 1092-1 form A,
ANSI 150 lbs. RF

Application

Pressure compensation valve, preferably for inflammable liquids stored under inert gas, for venting and breathing of fixed roof tanks and above-ground tanks, with lateral connection for the inert gas conduit and a third outlet flange, e. g. for connection to a collecting conduit, for gas compensation or for combustion of exhaust air.

The pressure valve prevents unnecessary losses of inert gas. The control valve automatically controls the supply of inert gas and the pressure of the inert gas in the tank. For the max. admission pressure see setting II.



Combined Relief Valve KITO® VD/o3

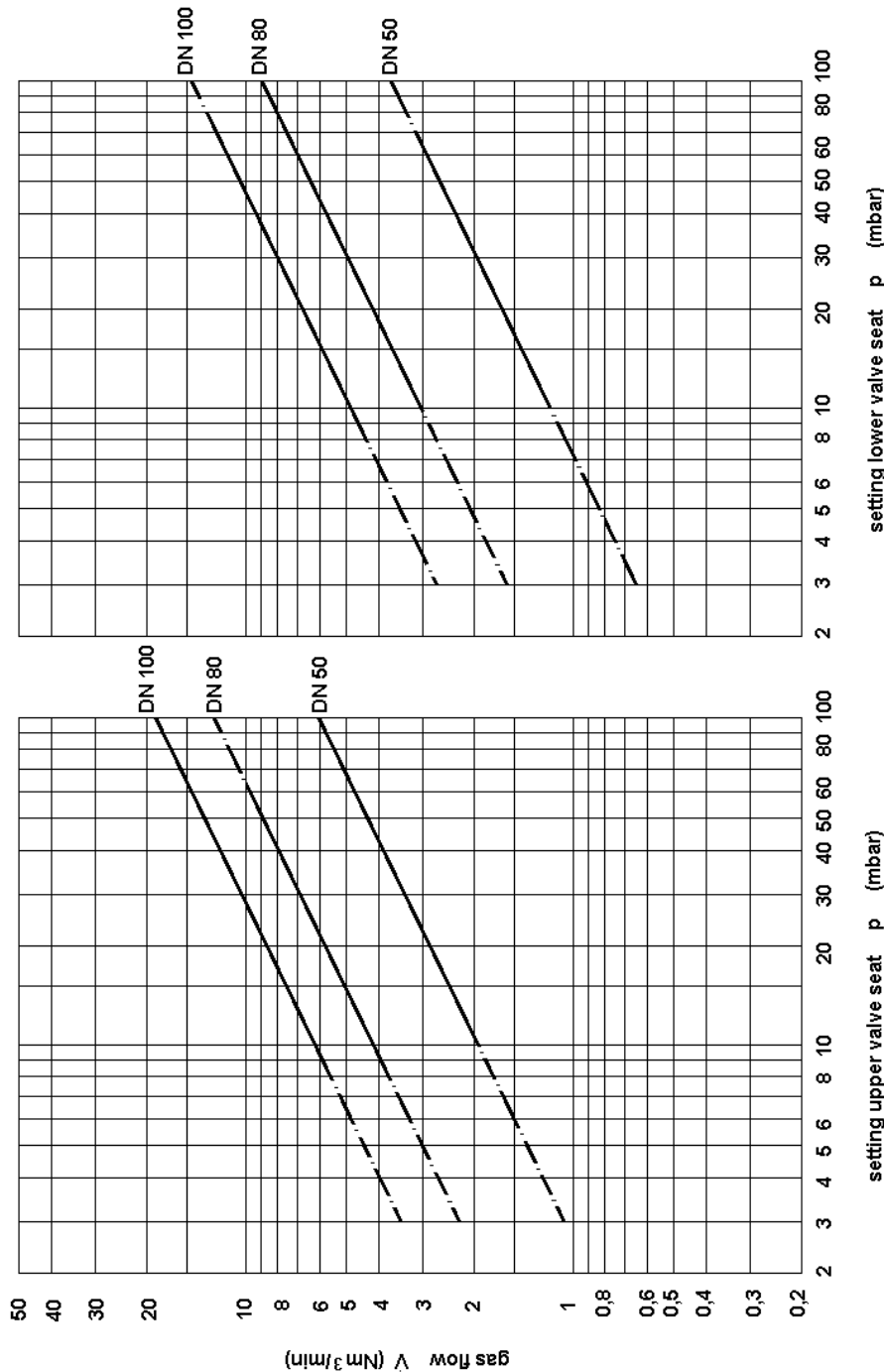
F 18 N

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

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

Air flow capacity at 40% above valve setting (see DIN 4119). If different accumulations are required see page A 31 for correcting factor.

Curves indicated by $\text{---}\text{---}\text{---}$ require special weight loads.



Design subject to change