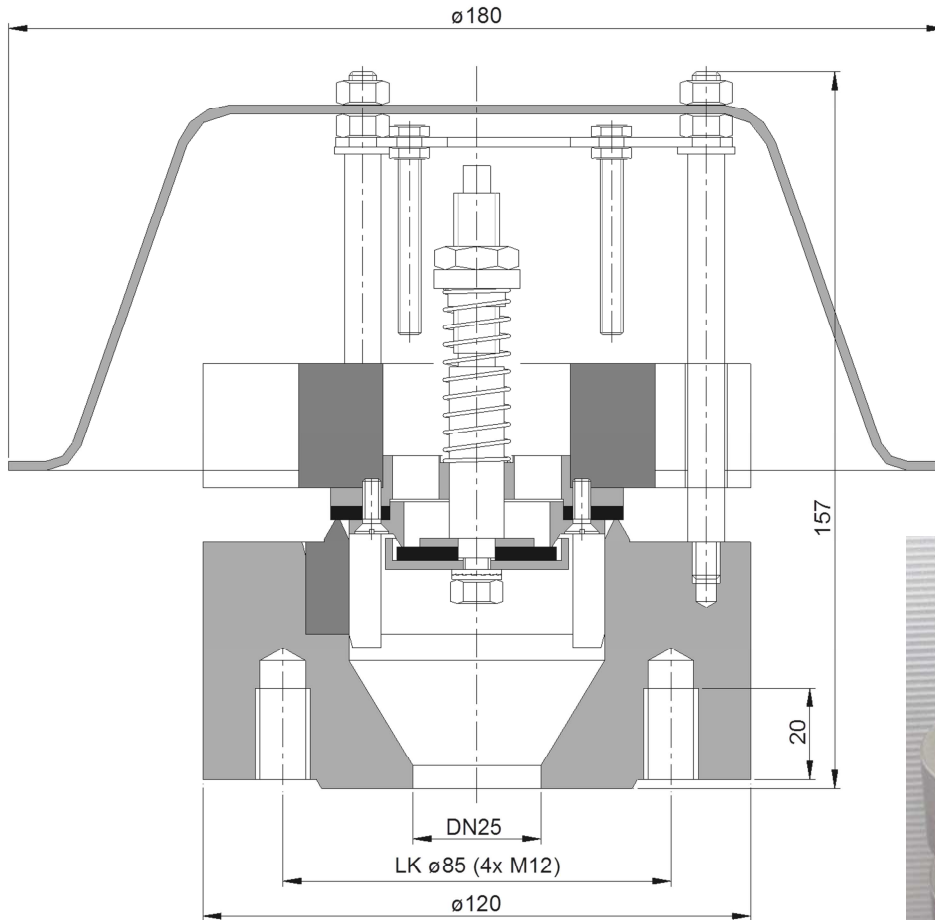
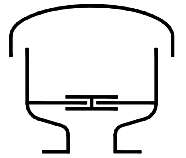


Combined Pressure / Vacuum Relief Valve KITO® VD/o DN 25



Without EC certificate and CE -designation

For valves with bigger nominal sizes see type sheet E 17.

Weight 6.5 kg (indicated weight is understood without weight load and refer to the standard design).

standard valve setting 7-30 mbar pressure (maximal 70 mbar) and 3-50 mbar vacuum -different settings against additional price-

Design: housing from steel is represented on the left, housing from stainless steel is represented on the right side of the sectional drawing.



Design subject to change

performance curves: E 0.17.2 N

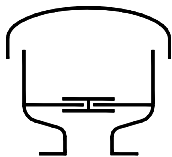
Standard Design

housing	: steel, mat. no. 1.4571
valve parts / spindle	: mat. no. 1.4571
valve sealing	: NBR, Viton, PTFE
valve pallet (vacuum)	: spring loaded
valve pallet (pressure)	: weight loaded
weather hood	: mat. no. 1.4301, mat. no. 1.4571
flange connection	: 4 blind holes (M12) DIN EN 1092-1 PN 40

Application

as end-of-line armature, as venting and breather device mainly for tanks in which incombustible liquids are stored.
Valve is used to prevent inadmissible pressure or vacuum as well as gas losses or inadmissible emissions respectively

Valve is not explosion-proof or endurance-burning proof.

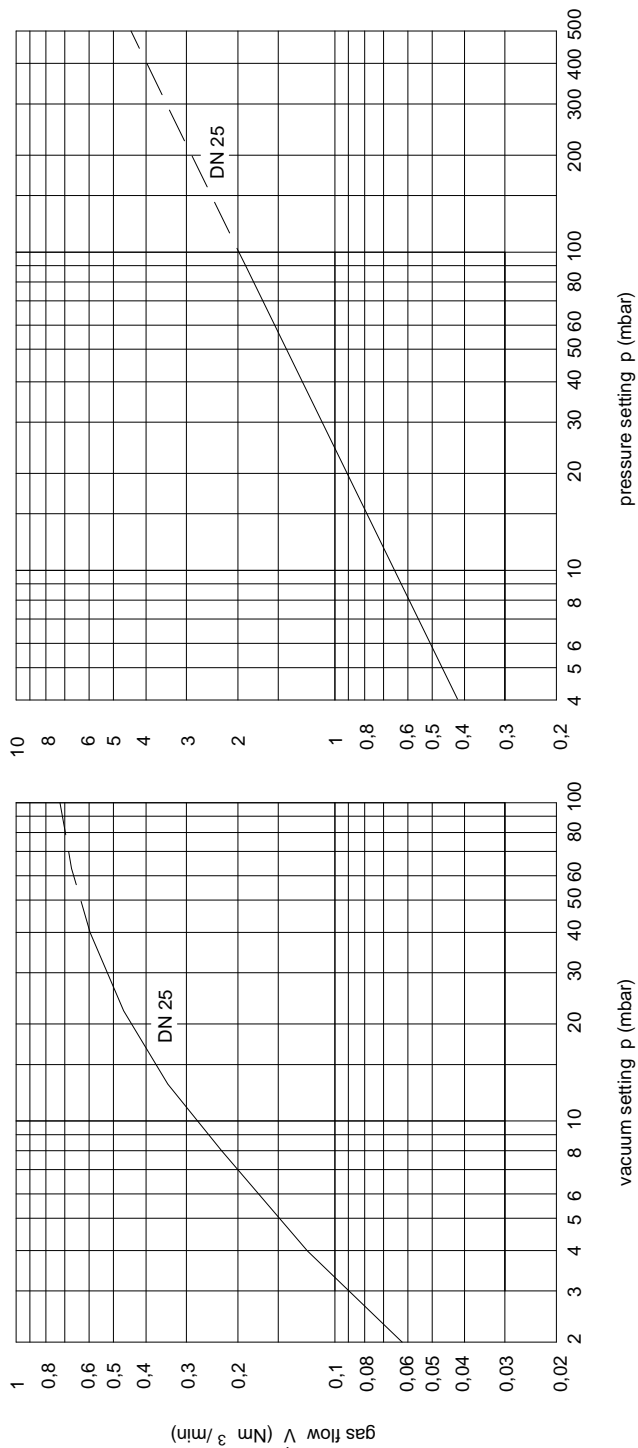


Combined Pressure / Vacuum Relief Valve KITO® VD/o DN 25 E 17.2 N

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



Design subject to change