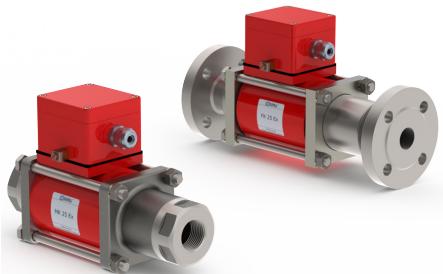
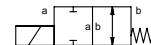
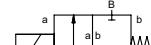


coaxial valve

type **MK 25 Ex**
FK 25 Ex

2/2 way valve	direct acting
pressure range	PN 0-100 bar
orifice	DN 25 mm
connection	thread/flange
function	valve normally closed symbol NC
	valve normally open symbol NO



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

design pressure balanced, with spring return

body materials	① brass	② steel galvanized
	③ brass, nickel plated	⑤ without non-ferr. Metals
	④ steel, nickel plated	⑥ stainless steel

valve seat	synthetic resin on metal
seal materials	NBR

PTFE, FPM, CR, EPDM

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

general specifications

ports	MK threads G 1 - G 1 1/2	options	special threads
	FK flanges PN 16 / 40 / 100		special flanges
function	NC		NO
pressure range	bar 0-16 / 0-40 / 0-64 / 0-100		> 100 bar upon request
Kv value	11,2		
vacuum	leak rate $< 10^{-6}$ mbar·l·s ⁻¹		
pressure-vacuum	P ₁ ⇌ P ₂		upon request
back pressure	P ₂ > P ₁		available (max. 16 bar)
media	gaseous - liquid - highly viscous - gelatinous - contaminated		
abrasive media damping			upon request
flow direction	opening		
switching cycles	closing		available
	A ⇌ B as marked		bi-directional (max. 16 bar)
switching time	1/min 130		
	ms opening 130		
	closing 130		
media temperature	°C DC: -20 to +40		-20 to +70
	AC: -20 to +40		-20 to +70
ambient temperature	°C DC: -20 to +40		-20 to +70
	AC: -20 to +40		-20 to +70
limit switches			inductive
manual override			available
approvals			LR/GL/WAZ
mounting			mounting brackets
weight	kg MK 8,0 FK 10,5		
additional equipment			upon request

electrical specifications

nominal voltage	U _n DC 24 V	options	special voltage upon request
	U _n AC 230 V 40-60 Hz		special voltage upon request
actuation	DC direct-current magnet		
	AC direct-current magnet with separate rectifier outside of the explosion-proof area		sand sealed rectifier to +40 °C max.
insulating rating	H 180°C		
protection	IP65		
energized duty rating	ED 100%		
connection	M16x1,5 terminal box		

optional additional equipment			
current consumption	U _n V-DC 24 200	48 98 110 220	

explosion proof	I 2 G Ex mb e II T4		
	I 2 D Ex tD A21 IP65 T130 °C		
	PTB 03 ATEX 2022 X		

limit switches	inductive NAMUR	circuit amplifier	

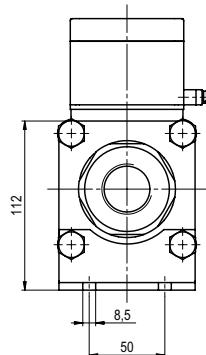
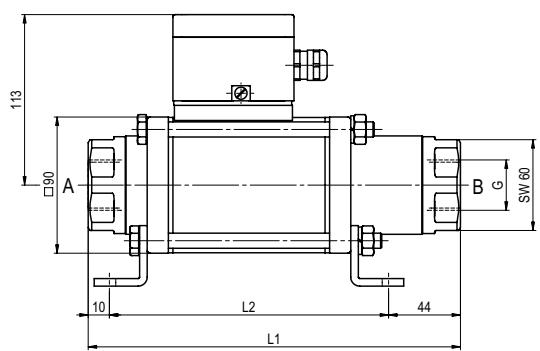
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ If order or application specifications are incomplete or imprecise there exists a risk of an incorrect technical design of the valve for the required application. As a consequence, the physical and / or chemical properties of the materials or seals used, may not be suitable for the intended application.

■ specifications not highlighted are standard
specifications highlighted in grey are optional

type MK 25 Ex

function: **NC**
closed when not energized



constructive length	L ₁	L ₂	L ₃
standard	246	192	302
with inductive limit switches	299	245	355
with manual override / inductive limit switches	299	245	355

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-1	115	85	14
100	EN 1092-1	140	100	18

type FK 25 Ex

function: **NO**
open when not energized

