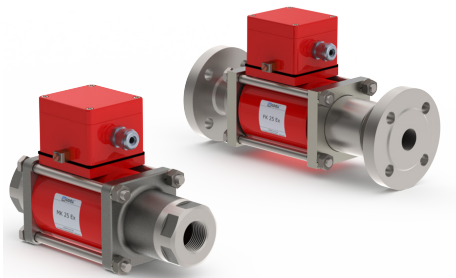
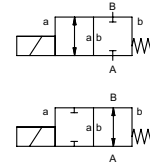



coaxial valve

 type **MK 25 Ex**
FK 25 Ex


2/2 way valve
 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
	FK	flanges PN 16 / 40 / 100
function	NC	
pressure range	bar 0-16 / 0-40 / 0-64 / 0-100	
Kv value	m³/h	11,2
vacuum	leak rate	< 10 ⁻⁶ mbar·l·s ⁻¹
pressure-vacuum	P ₁ ⇌ P ₂	upon request
	P ₂ > P ₁	available (max. 16 bar)
back pressure	gaseous - liquid - highly viscous -	
	media gelatinous - contaminated	
abrasive media	upon request	
damping	opening	
	closing	available
flow direction	A ⇌ B	as marked
switching cycles	1/min	130
switching time	ms	opening 130
		closing 130
media temperature	°C	DC: -20 to +40
		AC: -20 to +40
ambient temperature	°C	DC: -20 to +40
		AC: -20 to +40
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	


options


electrical specifications

nominal voltage	U _n	DC 24 V	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	

options

optional additional equipment	U _n	V-DC 24 200	48 98 110 220
	I _n	A 1,79 0,21	0,95 0,47 0,40 0,19
explosion proof	II 2 G Ex mb e II T4		
	II 2 D Ex tD A21 IP65 T130 °C		
	PTB 03 ATEX 2022 X		
limit switches	inductive NAMUR		circuit amplifier

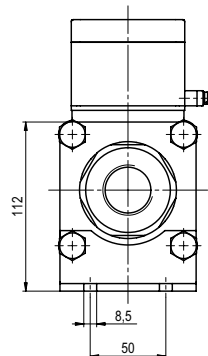
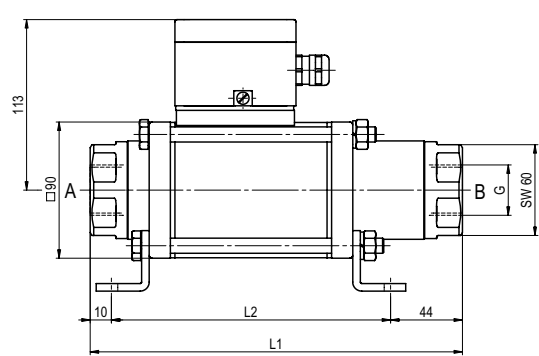
 The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

 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

