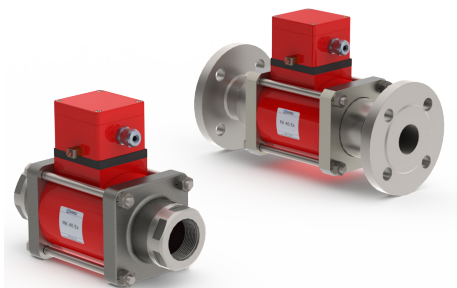
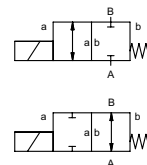



coaxial valve

 type **MK 40 Ex**
FK 40 Ex


2/2 way valve
pressure range PN 0-64 bar (NO: 0-40 bar)
orifice DN 40 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 1/2 - G 2
	FK	flanges PN 16 / 40 / 100
function		NC
pressure range	bar	0-16 / 0-40 / 0-64
Kv value	m³/h	18,4
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	media	gaseous - liquid - highly viscous - gelatinous - contaminated
		upon request
abrasive media		
damping	opening	
	closing	available
flow direction	A ⇌ B	as marked
switching cycles	1/min	90
switching time	ms	opening 520
		closing 150
media temperature	°C	DC: -20 to +40
ambient temperature		AC: -20 to +40
		AC: -20 to +40
limit switches		inductive
manual override		available
approvals		LR/GL/WAZ
mounting		mounting brackets
weight	kg	MK 14,0 FK 18,0
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
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	20 48 98 110 210 220 230
	I _n	A 2,05 0,29	2,72 1,07 0,54 0,48 0,25 0,25 0,21

explosion proof
 II 2 G Ex mb e II T4
 II 2 D Ex tD A21 IP65 T130 °C
 PTB 03 ATEX 2051 X

limit switches
 inductive NAMUR circuit amplifier

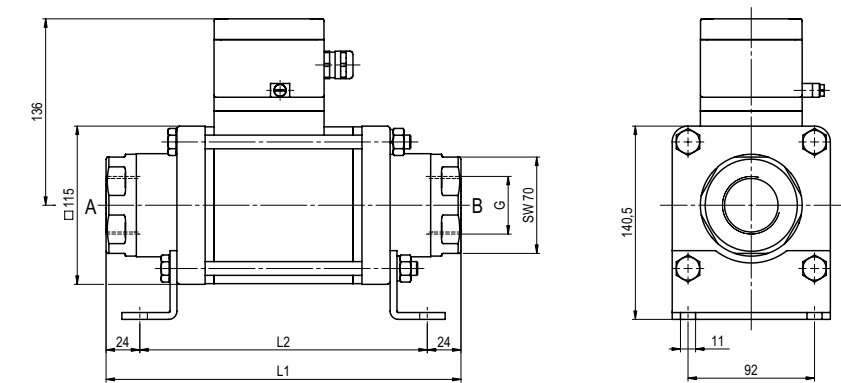
 The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

 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 40 Ex**

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	258	210	324
with inductive limit switches	299	251	365
with manual override / inductive limit switches	299	251	365

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	150	110	18
40	EN 1092-1	150	110	18
100	EN 1092-1	170	125	22

type **FK 40 Ex**

function: **NO**
open when not energized

