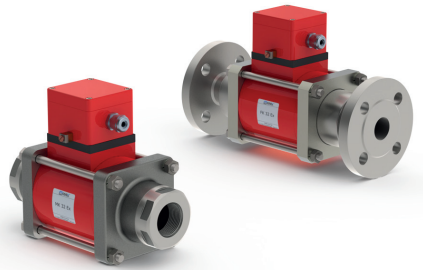
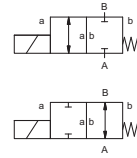


coaxial valve

type **MK 32 Ex**
FK 32 Ex



2/2 way valve direct acting
pressure range PN 0-64 bar
orifice DN 32 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

options

ports	MK threads G 1 1/4 - G 1 1/2 FK flanges PN 16 / 40 / 100	special threads special flanges
function	NC	NO
pressure range	bar 0-16 / 0-40 / 0-64	
Kv value	m ³ /h 14,1	
vacuum		< 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		upon request
damping	opening closing	available
flow direction	A ⇔ B as marked	bi-directional (max. 16 bar)
switching cycles	1/min 120	
switching time	ms opening 440 closing 250	
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 available
manual override		LR/GL/WAZ
approvals		mounting brackets
mounting		
weight	kg MK 13,5 FK 17,5	
additional equipment		upon request

electrical specifications

options

nominal voltage	U _n DC 24 V U _n AC 230 V 40-60 Hz	special voltage upon request 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	

optional additional equipment

current consumption	U _n V-DC 24 200 I _n A 2,05 0,29	20 48 98 110 210 220 230 2,72 1,07 0,54 0,48 0,25 0,25 0,21
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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

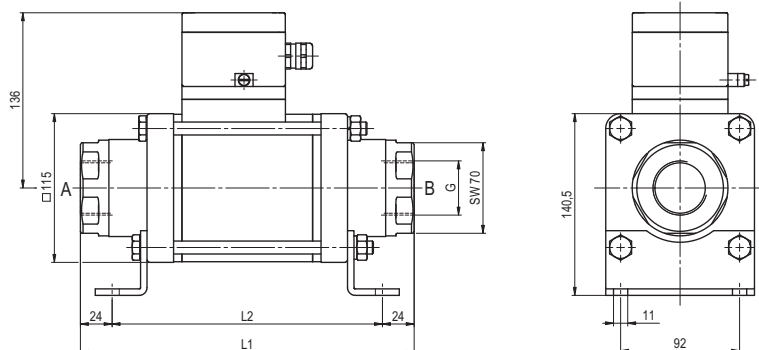
The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

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 32 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	140	100	18
40	EN 1092-1	140	100	18
100	EN 1092-1	155	110	22

type FK 32 Ex

function: **NO**
open when not energized

