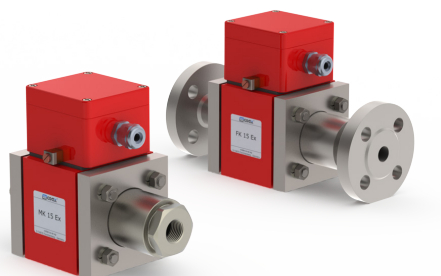
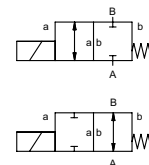



coaxial valve

type MK 15 Ex FK 15 Ex



2/2 way valve
pressure range PN 0-100 bar
orifice DN 15 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 3/8 - G 3/4
	FK	flanges PN 16 / 40 / 100
function		NC
pressure range	bar	0-16 / 0-40 / 0-64 / 0-100
Kv value	m³/h	4,8
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		upon request
damping	opening	
	closing	available
flow direction	A ⇄ B	as marked
switching cycles	1/min	200
switching time	ms	opening 80 closing 80
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 3,8 FK 5,0
additional equipment		upon request


options


electrical specifications

nominal voltage	U _n	DC 24 V	special voltage upon request
		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	48	98	110	220
current consumption	I _n	A	1,20	0,15	0,60	0,30	0,28	0,14
explosion proof								
	II 2 G Ex mb e II T4				II 2 G Ex mb II T4			
	II 2 D Ex tD A21 IP65 T130 °C							
	PTB 02 ATEX 2120 X							
limit switches	inductive NAMUR				circuit amplifier			

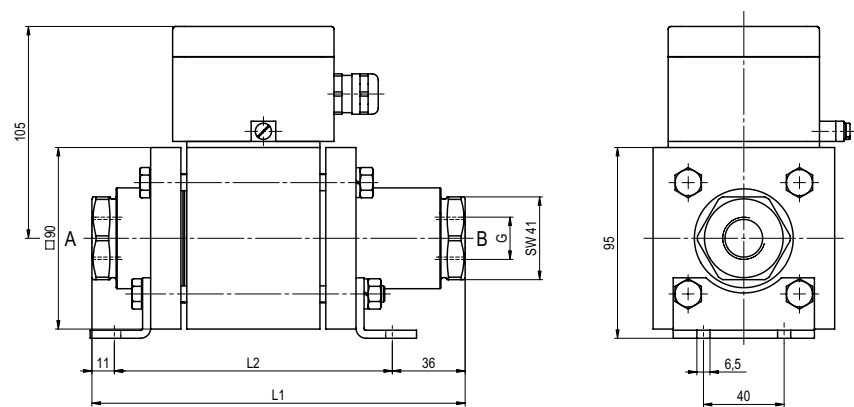
 The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

 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 15 Ex**

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	185	138	242
with inductive limit switches	234	187	291
with manual override / inductive limit switches	234	187	291

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	95	65	14
40	EN 1092-1	95	65	14
100	EN 1092-1	105	75	14

type **FK 15 Ex**

function: **NO**
open when not energized

