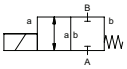
series MK / FK coaxial valves

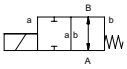
2/2-way valve
direct actuated

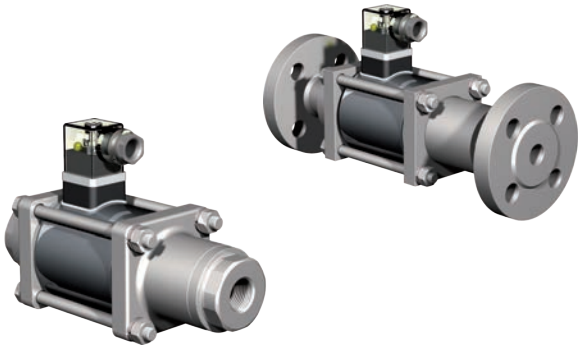
orifice	DN 10 - 80
pressure range	PN 0 - 100 bar
ports	threaded / flanged

function **NC**
valve normally closed



function **NO**
valve normally open





specifications

design	pressure balanced, with spring return
function	NC - normally closed
	NO - normally open
body materials	aluminium, brass, galvanized steel, nickel plated brass, nickel plated steel, without non-ferrous metals, stainless steel
seal materials	NBR, PTFE, FPM, CR, EPDM, special materials
media	gaseous, liquid, highly viscous, contaminated
actuation	DC direct-current magnet
	AC direct-current magnet, with integrated / separate rectifier
nominal voltage	DC 24 V / AC 230 V
electrical connection	plug acc. DIN EN 175301-803, form A, LED
insulation class	H - 180 °C
enclosure protection	IP 65
energized duty rating	ED 100 %
flow direction	A ⇨ B
	B ⇨ A (Δp 16 bar max.)
vacuum	leak rate < 10^{-6} mbar•l•s^{-1}
options / accessories	special threads, special flanges, function NO, damping, limit switches, manual override, approvals, mounting,
	special voltage, connector M12x1, terminal box, ATEX zone 2 cat. 3 max 80°C

technical data

co-ax type	orifice [mm]	ports threaded	ports flanged	pressure range [bar]	Kv value A ⇨ B	media temperature	ambient temperature	switching time [ms] opening / closing
MK 10	DN 10	G 1/4 - G 3/4	-	0 - 16 / 40 / 64	2,5 m³/h	-20 °C ... +120 °C	-10 °C ... +80 °C	25 / 25
MK / FK 15	DN 15	G 3/8 - G 3/4	PN 16 / 40 / 100	0 - 16 / 40 / 64 / 100	4,8 m³/h	-20 °C ... +160 °C	-20 °C ... +80 °C	80 / 80
MK / FK 20	DN 20	G 3/4 - G 1 1/4	PN 16 / 40 / 100	0 - 16 / 40 / 64 / 100	7,4 m³/h	-20 °C ... +160 °C	-20 °C ... +80 °C	110 / 110
MK / FK 25	DN 25	G 1 - G 1 1/2	PN 16 / 40 / 100	0 - 16 / 40 / 64 / 100	11,2 m³/h	-20 °C ... +160 °C	-20 °C ... +80 °C	130 / 130
MK / FK 32	DN 32	G 1 1/4 - G 1 1/2	PN 16 / 40 / 100	0 - 16 / 40 / 64 / 100	14,1 m³/h	-20 °C ... +160 °C	-20 °C ... +80 °C	440 / 250
MK / FK 40	DN 40	G 1 1/2 - G 2	PN 16 / 40 / 100	0 - 16 / 40 / 64	18,4 m³/h	-20 °C ... +160 °C	-20 °C ... +80 °C	520 / 150
MK / FK 50	DN 50	G 2	PN 16	0 - 16	28,2 m³/h	-20 °C ... +120 °C	-20 °C ... +80 °C	400 / 400
FK 65	DN 65	-	PN 16	0 - 16	45,0 m³/h	-20 °C ... +80 °C	-20 °C ... +80 °C	600 / 800
FK 80	DN 80	-	PN 16	0 - 16	70,0 m³/h	-20 °C ... +80 °C	-20 °C ... +80 °C	600 / 800

length

co-ax type	ports	standard	1 limit switch inductive	2 limit switches inductive	1 limit switch mechanical	manual override
MK 10	thread	159,5 mm	159,5 mm	-	-	-
MK / FK 15	thread / flange	184 mm / 241 mm	224 mm / 281 mm	224 mm / 281 mm	224 mm / 281 mm	224 mm / 281 mm
MK / FK 20	thread / flange	215 mm / 269 mm	259 mm / 313 mm	259 mm / 313 mm	259 mm / 313 mm	259 mm / 313 mm
MK / FK 25	thread / flange	246 mm / 302 mm	287 mm / 343 mm	287 mm / 343 mm	287 mm / 343 mm	299 mm / 355 mm
MK / FK 32	thread / flange	258 mm / 324 mm	299 mm / 365 mm	299 mm / 365 mm	299 mm / 365 mm	299 mm / 365 mm
MK / FK 40	thread / flange	258 mm / 324 mm	299 mm / 365 mm	299 mm / 365 mm	299 mm / 365 mm	299 mm / 365 mm
MK / FK 50	thread / flange	365 mm / 438 mm	365 mm / 438 mm	365 mm / 438 mm	365 mm / 438 mm	365 mm / 438 mm
FK 65	flange	551 mm	551 mm	551 mm	-	-
FK 80	flange	573 mm	573 mm	573 mm	-	-

The valve´s 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.