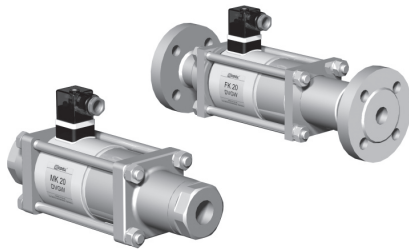
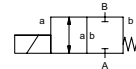


coaxial valve

type MK 20 DVGW FK 20 DVGW



2/2 way valve direct acting
pressure range PN 0-40 bar
orifice DN 20 mm
connection thread/flange
function valve normally closed
symbol NC



△ 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 Ⓢ DVGW

valve seat synthetic resin on metal
seal materials FPM, PTFE

details needed

- orifice
- port
- function NC
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

general specifications

options

ports	MK	threads G 3/4 - G 1 1/4	
	FK	flanges PN 40	
function		NC	
pressure range	bar	0-40	
Kv value	m³/h	7,4	
vacuum	leak rate		
pressure-vacuum	P ₁ ↔ P ₂		
back pressure	P ₂ > P ₁		
media		combustible gases according G 260	
abrasive media			
damping	opening		
	closing		
flow direction	A ↔ B	as marked	
switching cycles	1/min	150	
switching time	ms	opening 110 closing 110	
media temperature	°C	DC: -15 to +80	
		AC: -15 to +80	
ambient temperature	°C	DC: -15 to +80	
		AC: -15 to +80	
limit switches			inductive
manual override			available
approvals	DVGW	DIN 3394-1	
mounting			mounting brackets
weight	kg	MK 5,5 FK 7,5	
additional equipment			

electrical specifications

options

nominal voltage	U _n	24 V	DC	special voltage
	U _n	230 V 40-60 Hz	AC	special voltage
actuation	DC	direct-current magnet		
	AC	direct-current magnet with integrated rectifier		
insulation rating	H	180°C		
protection	IP65			
energized duty rating	ED	100%		
connection		plug acc. DIN EN 175301-803 form A, 4 positions x 90° / wire diameter 6-8 mm		terminal box M16x1,5
optional additional equipment				illuminated plug with varistor
current consumption	N-coil			
	H-coil	24 V	DC 2,26 A	
		230 V 40-60 Hz	AC 0,29 A	
explosion proof	E Ex e II T4	nominal voltage U _n	V-DC	24 48 98 110 200 220
		nominal current I _n	A	1,34 0,68 0,32 0,28 0,17 0,14
		media temperature	°C	-15 to +40
		ambient temperature	°C	-15 to +40
limit switches		AC connection		with separate rectifier
		inductive (I)		normally open-PNP
		inductive (B)		normally open-PNP
		Namur		circuit amplifier

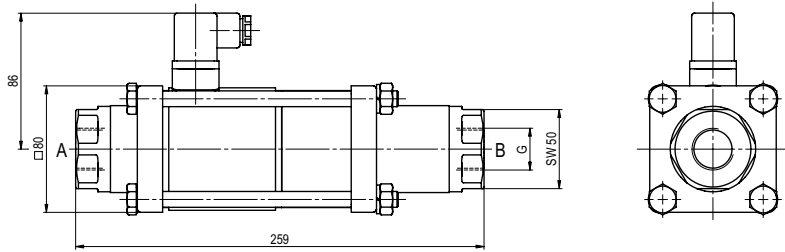
⚠ The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

⚠ 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

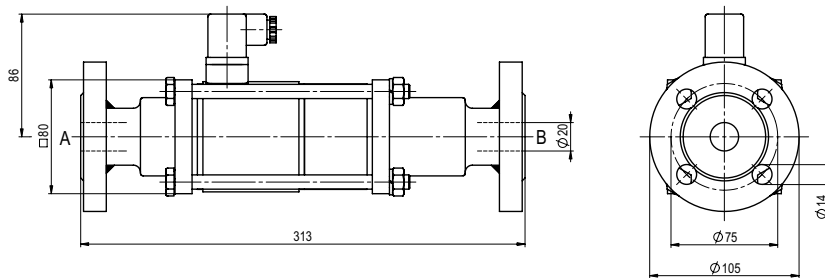
type MK 20 DVGW

function: **NC**
closed when not energized



type FK 20 DVGW

function: **NC**
closed when not energized



The application-specific layout relating to temperature, pressure conditions, switching behavior, media and its consistency may restrict the range of use or necessitate relevant modifications to materials used and seal arrangements.

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