type MK 15 DVGW FK 15 DVGW

03/2022

details needed

function NC

operating pressure

media temperature

nominal voltage

ambient temperature

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

🗥 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. To avoid hydraulic

shocks in pipelines, the flow velocities

must be taken into account when

designing valves for liquids.

müll

materials and characteristics.

orifice port

flow rate

media





🗥 Above stated body materials refer to the valve port connections that get in contact with the media only! 2/2-way valve pressure range orifice connection function

direct acting PN 0-40 bar DN 15 mm thread/flange valve normally closed symbol NC

operating principle body material

valve seat seal materials

ports

function

Kv value

vacuum

media

pressure range

pressure-vacuum

back pressure

abrasive media damping

pressure balanced, with spring return ${igodold D}$ DVGW (steel, nickel plated)

-	materials on metal	
FPM, PTF	E	
general s	pecifications	options
МК	threads G 3/8 - G 3/4	
FK	flanges PN 40	
	NC	
bar	0-40	
m³/h	6,0	
leak rate		
P1⇔ P2		
P2 > P1		
	combustible gases according G 260	
opening		
closing		
A ⇔ B	as marked	
1/min	200	
ms	opening 80	
1115	closing 80	
°C	DC: -15 to +80	
0	AC: -15 to +80	
°C	DC: -15 to +80	
0	AC: -15 to +80	
		inductive
		available
DVGW	DIN EN 16678:2016 + DIN EN 13611:20	
		mounting brackets
	MK 3,8 FK 5,0	

-15 to +40

-15 to +40

with separate rectifier normally open-PNP

circuit amplifier

nominal voltage

approvals mounting

insulating rating protection energized duty rating

optional additional equipment

actuation

connection

current consumption

explosion proof (0-16 bar)

limit switches

flow direction switching cycles switching time media temperature ambient temperature limit switches manual override weight additional equipment electrical specifications options 24 V +5%/-10% Un DC special voltage AC 230 V +5%/-10% 40-60 Hz Un DC special voltage direct-current magnet AC direct-current magnet with integrated rectifier 180°C Н IP65 ED 100% plug acc. DIN EN 175301-803 form A, 4 terminal box M16x1,5 positions x90° / wire diameter 6-8 mm illuminated plug with varistor N-coil H-coil DC 24 V 2,29 A AC 230 V 40-60 Hz 0,24 A F Fx e II T4 24 48 98 110 200 220 1,13 0,59 0,30 0,26 0,15 0,13 nominal voltage Un V-DC nominal current In А

media temperature

AC connection

inductive (B) Namur

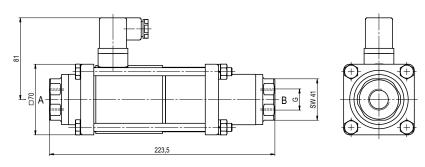
ambient temperature

specifications not highlighted are standard specifications highlighted in grey are optional

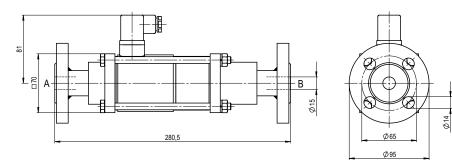
ller co-ax gmbh	•	Friedrich-Müller-Str. 1		74670 Forchtenberg	•	Germany	•	fon +49(0)7947/828-0	•	fax +49(0)7947/828-11	•	Email info@co-ax.com
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type MK 15 DVGW FK 15 DVGW

function: **NC** closed when not energized



function: **NC** closed when not energized



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type MK 20 DVGW FK 20 DVGW

03/2022





2/2-way valve pressure range orifice connection function

operating principle

body material

valve seat

seal materials

current consumption

limit switches

explosion proof (0-16 bar)

optional additional equipment

direct acting PN 0-40 bar DN 20 mm thread/flange valve normally closed symbol NC

pressure balanced, with spring return

 ${igodold D}$ DVGW (steel, nickel plated)

synthetic materials on metal

EDM DTEE

🗥 Above stated body materials refer to the valve port connections that get in contact with the media only!

details	needed

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

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.

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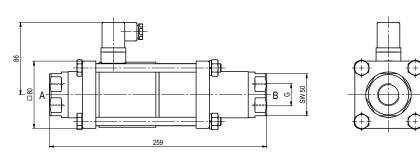
specifications not highlighted are standard specifications highlighted in grey are optional

general	specifications	options
МК	threads G 3/4 - G 1 1/4	
FK	flanges PN 40	
	NC	
bar	0-40	
m³/h	8,4	
leak rate		
P1⇔ P2		
P2 > P1		
	combustible gases according G 20	60
opening		
closing		
A ⇔ B	as marked	
1/min	150	
ms	opening 110 closing 110	
°C	DC: -15 to +80	
°C	DC: -15 to +80 AC: -15 to +80	
		inductive
		available
DVGW	DIN EN 16678:2016 + DIN EN 136	11:2011
		mounting brackets
ka	MK 5.5 FK 7.5	2
electrica	al specifications	options
Un	DC 24 V +5%/-10%	special voltage
Un		special voltage
DC	direct-current magnet	
AC	direct-current magnet with integr rectifier	rated
Н	180°C	
IP65		
ED	100%	
	plug acc. DIN EN 175301-803 forr positions x90° / wire diameter 6-8	
	$\begin{array}{c} WK\\ FK\\ FK\\ bar\\ \\ bar\\ \\ bar\\ \\ bar\\ \\ bar\\ \\ P_2 \\ P_2$	FKfilter for the first set of th

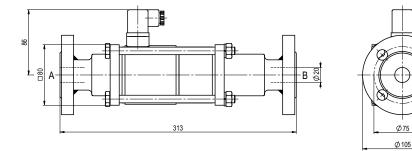
	illuminated plug with va	ristor	
N-coil			
H-coil	DC 24 V 2.64 A	7	
	AC 230 V 40-60 Hz 0,30		
E Ex e II T4	nominal voltage Un	V-DC	24 48 98 110 200 220
	nominal current In	А	1,21 0,66 0,29 0,24 0,14 0,12
	media temperature	°C	-15 to +40
	ambient temperature	°C	-15 to +40
	AC connection		with separate rectifier
	inductive (B)		normally open-PNP
	Namur		circuit amplifier

type MK 20 DVGW FK 20 DVGW

function: **NC** closed when not energized



function: **NC** closed when not energized



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type MK 25 DVGW FK 25 DVGW

03/2022





2/2-way valve pressure range orifice connection function

operating principle

body material

valve seat seal materials

ports function pressure range Kv value vacuum pressure-vacuum back pressure media abrasive media damping flow direction switching cycles switching time media temperature

direct acting PN 0-40 bar DN 25 mm thread/flange

valve normally closed symbol NC

pressure balanced, with spring return

 ${f O}$ DVGW (steel, nickel plated)

🗥 Above stated body materials refer

to the valve port connections that get in contact with the media only!

details needed

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

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. To avoid hydraulic shocks in pipelines, the flow velocities must be taken into account when designing valves for liquids.

specifications not highlighted are standard specifications highlighted in grey are optional

MK FK bar m³/h	ecifications threads G 1 - flanges PN 40 NC 0-40	G 1 1/2		option	S	
MK FK bar m³/h	threads G 1 - flanges PN 40 NC	G 1 1/2		option	5	
FK bar m³/h	flanges PN 40 NC					
bar m³/h	flanges PN 40 NC					
m³/h						
m³/h	0-40					
	13,0					
leak rate						
P1⇔ P2						
P2 > P1						
	combustible	gases accor	ding G 260			
opening						
closing						
A ⇔ B	as marked					
1/min	130					
ms	opening	130				

٥(ambient temperature

limit sw	itches
manual	override
approva	ls
mountin	g
weight	
addition	al equipment

nominal voltage

actuation

insulating rating protection energized duty rating connection

optional additional equipment current consumption

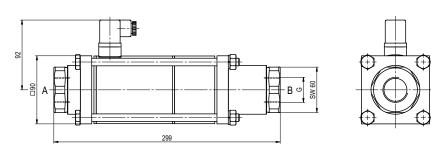
explosion proof (0-16 bar)

limit switches

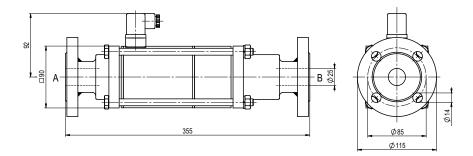
	closing 130		
°C	DC: -15 to +80		
	AC: -15 to +80		
C	DC: -15 to +80		
	AC: -15 to +80		
			inductive
			available
DVGW	DIN EN 16678:2016 + DIN E	N 13611:201	11
			mounting brackets
٨g	MK 8,0 FK 10,5		
lectrical	specifications		options
Jn	DC 24 V +5%/-10%		special voltage
Jn	AC 230 V +5%/-10% 40-60	Hz	special voltage
DC	direct-current magnet		
AC	direct-current magnet with	integrated	
	rectifier		
1	180°C		
P65			
D	100%		
	plug acc. DIN EN 175301-8	03 form A, 4	terminal box M16x1,5
	positions x90° / wire diame	ter 6-8 mm	
	illuminated plug with varist	or	
I-coil			
I-coil	DC 24 V 2,96 A		
	AC 230 V 40-60 Hz 0,33 A		
Ex e ll T4		/-DC	24 48 98 110 200 22
		4	1,42 0,73 0,37 0,35 0,17 0,
		°C	-15 to +40
		°C	-15 to +40
	AC connection		with separate rectifier
			normally open-PNP
	inductive (B)		

type MK 25 DVGW FK 25 DVGW

function: **NC** closed when not energized



function: **NC** closed when not energized



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