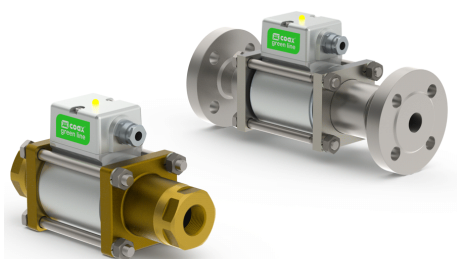
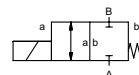


# coaxial valve

## type **RMK 20** **RFK 20**



**2/2 way valve** **direct acting**  
**pressure range** PN 0-100 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** 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** FPM, PTFE, EPDM

**details needed**

- orifice
- port
- function NC
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- description of the operating mode

	general specifications	options
<b>ports</b>	RMK threads G 3/4 - G 1 1/4 RFK flanges PN 16 / 40 / 100	special threads special flanges
<b>function</b>	NC	
<b>pressure range</b>	bar 0-16 / 0-40 / 0-64 / 0-100	
<b>Kv value</b>	m³/h 6,9 - Qmax. 123 l/min	
<b>vacuum</b>	leak rate	< 10 <sup>-4</sup> mbar·l·s <sup>-1</sup>
<b>pressure-vacuum</b>	P <sub>1</sub> ⇄ P <sub>2</sub>	upon request
<b>back pressure</b>	P <sub>2</sub> > P <sub>1</sub>	available (max. 16 bar)
<b>media</b>	gaseous - liquid	
<b>abrasive media</b>		upon request
<b>damping</b>	opening refer to switching times closing refer to switching times	
<b>flow direction</b>	A ⇄ B as marked	bi-directional (max. 16 bar)
<b>switching cycles</b>	1/min	
<b>switching time</b>	ms selectable, ca. 200, 400, 800, 1000 ms	
<b>media temperature</b>	°C DC: -20 to +100	
<b>ambient temperature</b>	°C DC: -20 to +80	
<b>limit switches</b>	integrated	
<b>manual override</b>		WAZ
<b>approvals</b>		mounting brackets
<b>mounting</b>		
<b>weight</b>	kg MK 5,5 FK 7,5	
<b>additional equipment</b>		

**⚠** 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.

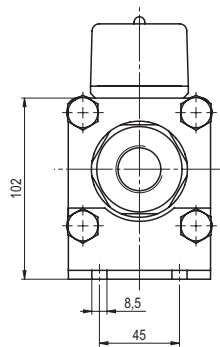
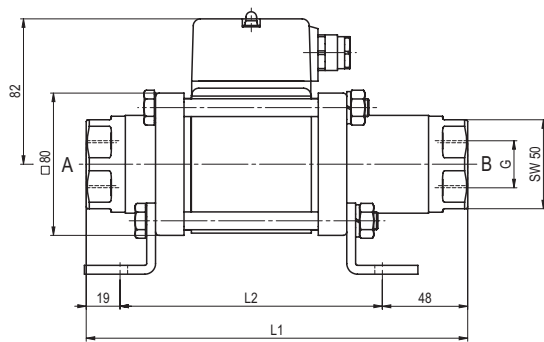
	electrical specifications	options
<b>nominal voltage</b>	U <sub>n</sub> DC 24 V	
<b>actuation</b>	DC DC solenoid, electronic control system with connectors integrated in the terminal box	
<b>insulating rating</b>	H 180°C	
<b>protection</b>	IP65	
<b>energized duty rating</b>	ED 100% terminal box M16x1,5	
<b>connection</b>		
<b>optional additional equipment</b>	LED indicator on the terminal box	(refer to operating manual)
<b>current consumption</b>	typical current consumption approx. 0,4 A average power consumption approx. 10 W short-term peak current (<0,5 s) 4 A max. power consumption approx. 100 W	
<b>operating mode</b>	on - off with damping -> 24 V digital control signal necessary	
	infinitely under development	
	variable	
<b>limit switches</b>	24 V digital signal tapped at terminal	(refer to operating manual)

\* typical values for example in the range of 0-100 bar, 0-90°C

■ specifications not highlighted are standard  
 ■ specifications highlighted in grey are optional

## type **RMK 20**

function: **NC**  
closed when not energized



constructive length	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>
standard	216	148	269

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	105	75	14
40	EN 1092-1	105	75	14
100	EN 1092-1	130	90	18

## type **RFK 20**

function: **NC**  
closed when not energized

