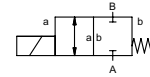


# coaxial valve

## type **RMK 40** **RFK 40**



**2/2 way valve** direct acting  
**pressure range** PN 0-64 bar  
**orifice** DN 40 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 1 1/2 - G 2	special threads
	RFK flanges PN 16 / 40 / 100	special flanges
<b>function</b>	NC	
<b>pressure range</b>	bar 0-16 / 0-40	> 40 bar upon request
<b>Kv value</b>	m <sup>3</sup> /h 18,4 - Qmax. 306 l/min	
<b>vacuum</b>	leak rate	< 10 <sup>-6</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>	emulsion - oil	other medias upon request
<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>		
<b>approvals</b>		WAZ
<b>mounting</b>		mounting brackets
<b>weight</b>	kg	RMK 14,0 RFK 18,0
<b>additional equipment</b>		

**electrical specifications**

**options**

<b>nominal voltage</b>	U <sub>n</sub>	DC 24 V
<b>actuation</b>	DC	direct-current magnet 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%
<b>connection</b>	M16x1,5	terminal box
<b>optional additional equipment</b>	M12x1	connector
<b>current consumption</b>		LED indicator on the terminal box (refer to operating manual) typical current consumption approx. 0,6 A average power consumption approx. 14,4 W short-term peak current (<0,5 s) 4,5 A max. power consumption approx. 110 W
<b>operating mode</b>	on - off	with damping -> 24 V digital control signal necessary
<b>limit switches</b>		24 V digital signal (refer to operating manual) tapped at terminal

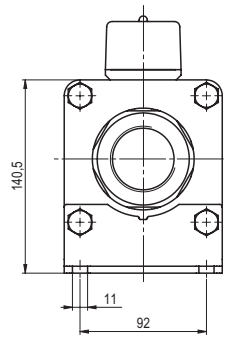
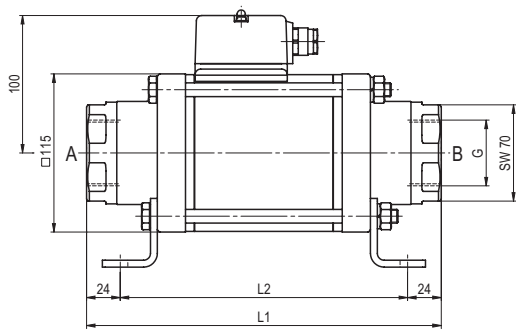
**⚠** The valves' technical design is based on media and application requirements. This can lead to deviations from the general specifications shown on the data sheet with regards to the design, sealing materials and characteristics.

**⚠** 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 **RMK 40**

function: **NC**  
closed when not energized



constructive length	L1	L2	L3
standard	258	210	324

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	150	110	18
40	EN 1092-1	150	110	18
100	EN 1092-1	170	125	22

# type **RFK 40**

function: **NC**  
closed when not energized

