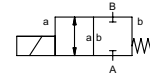


coaxial valve

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
 ⑦ aluminium
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

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

⚠ 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

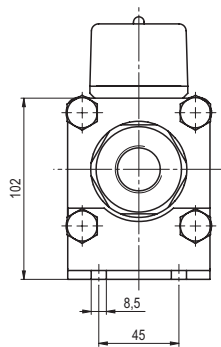
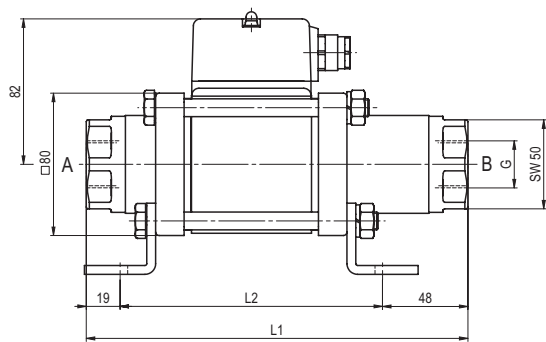
options

nominal voltage	U _n DC 24 V	
actuation	DC direct-current magnet electronic control system with connectors integrated in the terminal box	
insulating rating	H 180°C	
protection	IP65	
energized duty rating	ED 100%	
connection	M16x1,5 terminal box	
optional additional equipment	M12x1 connector	
current consumption	LED indicator on the terminal box (refer to operating manual) 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	
operating mode	on - off with damping -> 24 V digital control signal necessary	
limit switches	24 V digital signal tapped at terminal	(refer to operating manual)

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

type **RMK 20**

function: **NC**
closed when not energized



constructive length	L ₁	L ₂	L ₃
standard	215	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

