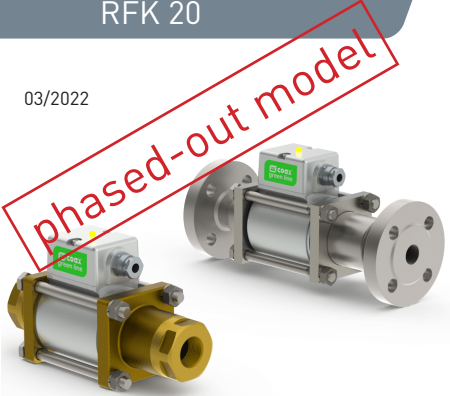


coax® data sheet - coaxial valve



type RMK 20
RFK 20

03/2022



⚠ 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
- description of the operating mode

⚠ 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

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-100 bar

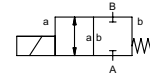
DN 20 mm

thread/flange

valve

normally closed

symbol **NC**



operating principle

body material

valve seat

seal materials

pressure balanced, with spring return

① brass

③ brass, nickel plated

④ steel, nickel plated

⑩ aluminium

② steel galvanized

⑤ without non-ferr. Metals

⑥ stainless steel

synthetic materials on metal

FPM, PTFE, EPDM

ports

function

pressure range

Kv value

vacuum

pressure-vacuum

back pressure

media

abrasive media

damping

flow direction

switching cycles

switching time

media temperature

ambient temperature

limit switches

manual override

approvals

mounting

weight

additional equipment

nominal voltage

actuation

insulating rating

protection

energized duty rating

connection

optional

additional equipment

current consumption

operating mode

limit switches

general specifications

RMK threads G 3/4 - G 1 1/4

RFK flanges PN 16 / 40 / 100

NC

bar 0-16 / 0-40 / 0-63

m³/h 6,9 - Qmax. 123 l/min

leak rate

P₁ ⇔ P₂

P₂ > P₁

emulsion - oil

opening refer to switching times

closing refer to switching times

A ⇔ B as marked

1/min

ms selectable, ca. 200, 400, 800, 1000 ms

°C DC: -20 to +100

°C DC: -20 to +80

integrated

kg RMK 5,5 RFK 7,5

options

special threads

special flanges

> 63 bar upon request

< 10⁻⁶ mbar•L•s⁻¹

upon request

available (max. 16 bar)

other medias upon request

upon request

bi-directional (max. 16 bar)

WAZ

mounting brackets

electrical specifications

U_n DC 24 V

DC direct-current magnet
electronic control system with connectors
integrated in the terminal box

H 180°C

IP65

ED 100%

M16x1,5 terminal box

M12x1

connector [refer to operating manual]

LED indicator on the terminal box

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

with damping -> 24 V digital control signal necessary

24 V digital signal [refer to operating manual]

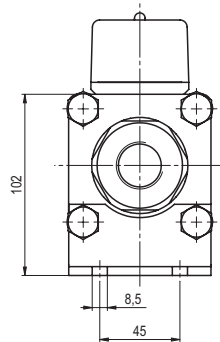
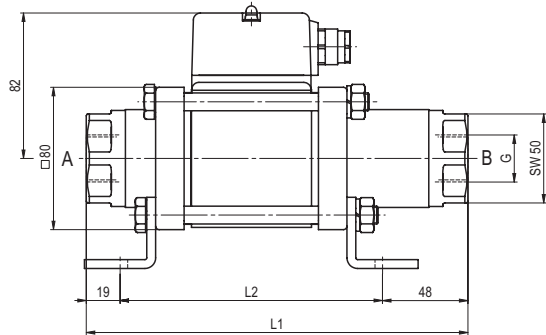
tapped at terminal

coax® data sheet - coaxial valve

type RMK 20

RFK 20

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	215	148	269

flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	105	75	14
40	EN 1092-1	105	75	14
100	EN 1092-1	130	90	18

function: **NC**
closed when not energized

