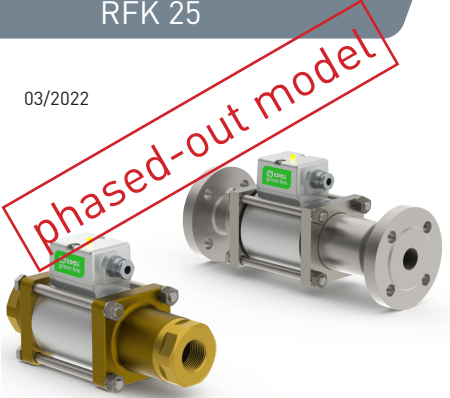


coax® data sheet - coaxial valve



type RMK 25
RFK 25

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.

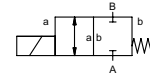
■ specifications not highlighted are standard
■ specifications highlighted in grey are optional

2/2-way valve

pressure range
orifice
connection
function

direct acting

PN 0-100 bar
DN 25 mm
thread/flange
valve normally closed
symbol **NC**



operating principle

body material

pressure balanced, with spring return

- | | |
|------------------------|----------------------------|
| 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 materials on metal

seal materials

FPM, PTFE, EPDM

ports

function
pressure range

general specifications

RMK threads G 1 - G 1 1/2
RFK flanges PN 16 / 40 / 100
NC
bar 0-16 / 0-40 / 0-63

options

special threads
special flanges
> 63 bar upon request

Kv value
vacuum
pressure-vacuum
back pressure
media

m³/h 11,2 - Qmax. 187 l/min
leak rate < 10⁻⁶ mbar•l•s⁻¹
P₁ ⇔ P₂ upon request
P₂ > P₁ available (max. 16 bar)
emulsion - oil other medias upon request

abrasive media damping

opening refer to switching times
closing refer to switching times
A ⇔ B as marked
1/min bi-directional (max. 16 bar)
ms selectable, ca. 200, 400, 800, 1000 ms

media temperature

°C DC: -20 to +100

ambient temperature

°C DC: -20 to +80

limit switches manual override approvals mounting weight additional equipment

integrated
WAZ
mounting brackets
kg RMK 8,0 RFK 10,5

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

M12x1

additional equipment current consumption

connector
LED indicator on the terminal box [refer to operating manual]
typical current consumption approx. 0,5 A
average power consumption approx. 12 W
short-term peak current (<0,5 s) 4,5 A
max. power consumption approx. 110 W
with damping -> 24 V digital control signal necessary

operating mode

on - off

limit switches

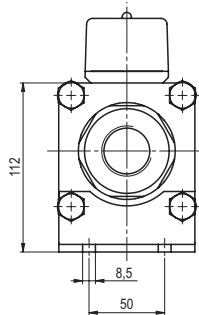
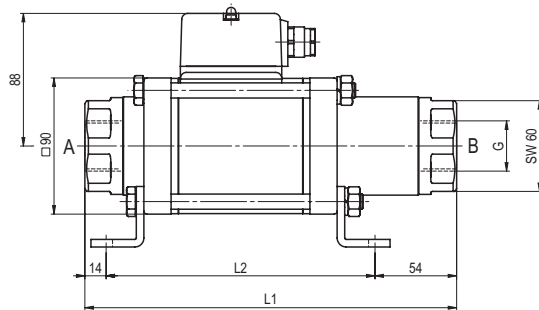
24 V digital signal [refer to operating manual]
tapped at terminal

coax® data sheet - coaxial valve

type RMK 25

RFK 25

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	246	178	302

flanges PN	DIN	ØD	Øk	Ød
16	EN 1092-1	115	85	14
40	EN 1092-1	115	85	14
100	EN 1092-1	140	100	18

function: **NC**
closed when not energized

