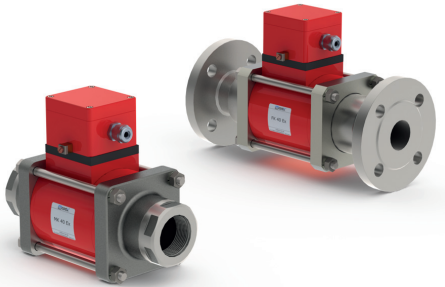


12/2024



⚠ Above stated body materials refer to the valve port connections that get in contact with the media only!

details needed

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- nominal voltage

⚠ 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.

2/2-way valve

pressure range

orifice

connection

function

direct acting

PN 0-63 bar (NO: 0-40 bar)

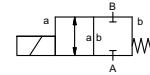
DN 40 mm

thread/flange

valve

normally closed

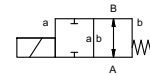
symbol **NC**



valve

normally open

symbol **NO**



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

valve seat

synthetic materials on metal

seal materials

NBR

PTFE, FPM, CR, EPDM

general specifications

options

MK threads G 1 1/2 - G 2

special threads

FK flanges PN 16 / 40 / 100

special flanges

NC

NO

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

0-16 / 0-40

m³/h 18,4

leak rate

< 10⁻⁶ mbar•L•s⁻¹

P₁ ↔ P₂

upon request

P₂ > P₁

available (max. 16 bar)

gaseous - liquid - highly viscous -

gelatinous - contaminated

upon request

opening

upon request

closing

available

A ↔ B

as marked

bi-directional (max. 16 bar)

1/min 90

ms

opening 520

closing 150

°C

DC: -20 to +40

-40 to +40

AC: -20 to +40

-40 to +40

°C

DC: -20 to +40

-40 to +40

AC: -20 to +40

-40 to +40

limit switches

inductive

manual override

available

approvals

LR/DNV/WAZ

mounting

mounting brackets

weight

MK 14,0 FK 18,0

additional equipment

upon request

electrical specifications

options

U_n

DC 24 V +5%/-10%

special voltage upon request

U_n

AC 230 V +5%/-10% 40-60 Hz

special voltage upon request

DC

direct-current magnet

AC

direct-current magnet with separate

rectifier outside of the explosion-proof

area

H

180°C

IP65

ED

100%

M16x1,5

terminal box

U_n

V-DC 24 200

20 48 98 110 210 220 230

I_n

A 2,05 0,29

2,70 1,07 0,54 0,48 0,25 0,25 0,21

explosion proof

Ⓜ II 2G Ex mb e II T4

Ⓜ II 2D Ex tD A21 IP65 T130 °C

Ⓜ II 2G Ex h IIC T4 Gb

Ⓜ II 2D Ex h IIIC T130°C Db

limit switches

inductive NAMUR

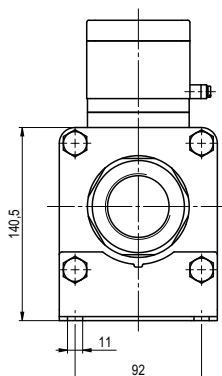
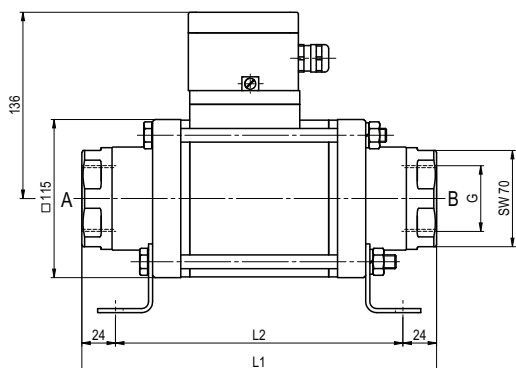
circuit amplifier

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

coax® data sheet - coaxial valve

type MK 40 Ex
FK 40 Ex

function: **NC**
closed when not energized



constructive length	L1	L2	L3
standard	258	210	324
with inductive limit switches	299	251	365
with manual override / inductive limit switches	299	251	365

flanges PN	DIN	$\varnothing D$	$\varnothing k$	$\varnothing d$
16	EN 1092-1	150	110	18
40	EN 1092-1	150	110	18
100	EN 1092-1	170	125	22

function: **NO**
open when not energized

