

09/2022



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

details needed for main valve

- orifice
- port
- function NC/NO
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature
- type of actuation

details needed for pneumatic actuation

- nominal voltage
- type of protection
- actuation pressure range min/max
- pilot valve type

! 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.

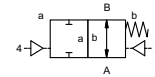
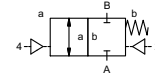
specifications not highlighted are standard
 specifications highlighted in grey are optional

2/2-way valve

pressure range
orifice
connection
function

externally controlled

PN 0-100 bar
 DN 8 mm
 thread
 valve normally closed
 symbol **NC**
 valve normally open
 symbol **NO**



operating principle

body material

pressure balanced, with spring return

- | | |
|---------|---|
| ① brass | ② |
| ③ | ⑤ |
| ④ | ⑥ |

valve seat

seal materials

synthetic materials on metal

NBR, FPM, PTFE

ports

function
pressure range

general specifications

options

Kv value
vacuum
pressure-vacuum

MCF threads G 3/8
 NC NO
 bar 0-100
 m³/h 1.6
 leak rate < 10⁻⁶ mbar•L•s⁻¹
 P₁ ⇄ P₂ pressure side max. 100 bar
 vacuum side leak rate upon request
 available (max. 16 bar)
 P₂ > P₁ emulsion - oil - neutral gases other medias upon request

back pressure
media

opening
 closing by throttles on pilot valve
 A ⇄ B as marked
 1/min 600
 ms opening 30-3000
 closing 30-3000
 °C direct mounted pilot valve 60 > 60 °C upon request
 °C direct mounted pilot valve 50 > 50 °C upon request
 temperature range max 70°C

abrasive media
damping

flow direction
switching cycles
switching time

via pilot valve
 mounting holes
 kg see table

media temperature
ambient temperature
flush ports

leak ports
limit switches
manual override

approvals
mounting
weight
additional equipment

nominal voltage

power consumption

protection
energized duty rating
connection

electrical specifications

options

optional
additional equipment
max. temperature

U_n DC 24 V special voltage upon request
 U_n AC 230 V 50 Hz special voltage upon request
 DC 4.8 W 2.5 W [actuation pressure range 4-7 bar]
 AC pick up 11.0 VA holding 8.5 VA
 IP65 (P54) acc. DIN 40050
 ED 100%
 plug acc. DIN EN 175301-803 form B, 2 positions x180° / wire diameter 6-8 mm
 M12x1 connector acc. DESINA connector acc. VDMA
 illuminated plug with varistor
 media 60°C
 ambient 50°C
 E Ex e II T5 nominal voltage U_n DC 24 V 3.25 W
 power consumption AC 230 V 50 Hz 2.90 W

explosion proof

actuation pressure range
air consumption
cycle speed
control
pilot valve interface
actuator ports

pneumatic specifications

options

bar 4-8 3-10 upon request
 cm³/stroke 4,5
 main valve speed variable by throttles on pilot valve
 preferably 5/2 way pilot valve
 co-ax NAMUR acc. VDI / VDE 3845
 2/4 G 1/8

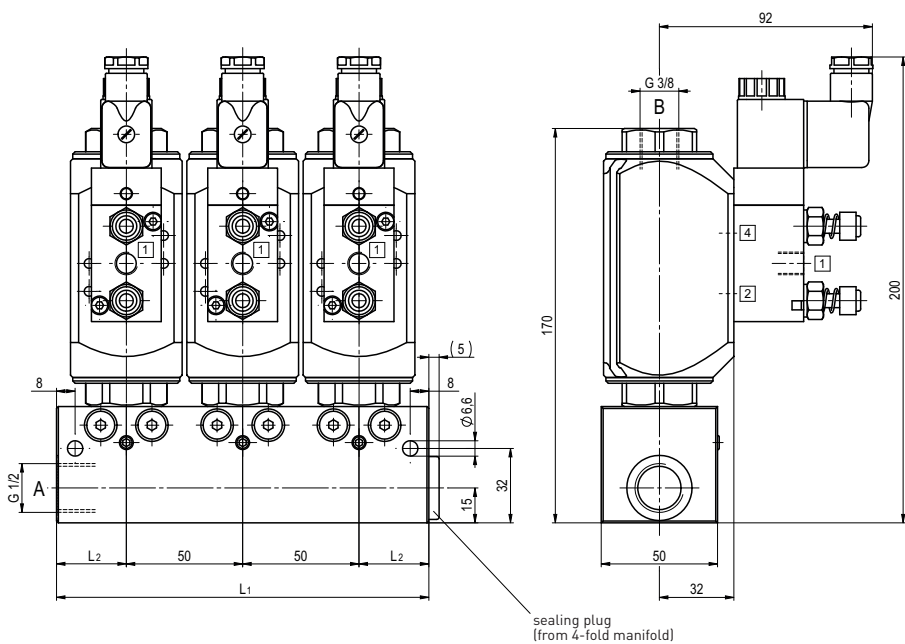
actuation pressure range
control
actuator ports
by media

hydraulic specifications

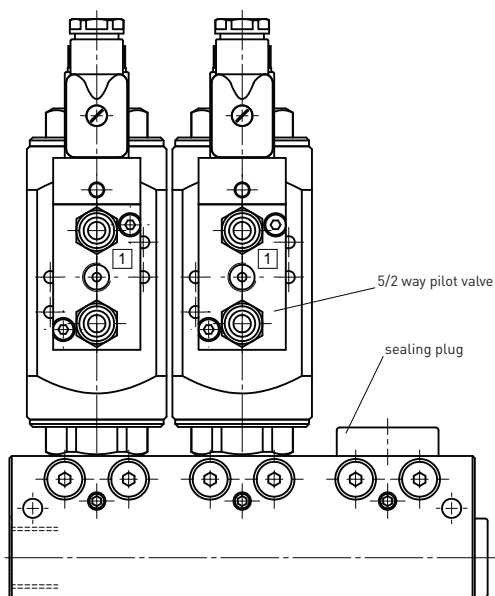
options

coax® data sheet - valve manifold

type MCF 08



constructive length	L1	L2	weight
2-station	110	30	3,2
3-station	160	30	4,8
4-station	210	30	6,3
5-station	260	30	7,9



pneumatic specifications

