

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/Δp
- inlet pressure at A, B or C
- 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

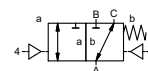
3/2 way valve

pressure range
orifice
connection
function

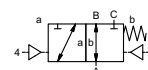
externally controlled

PN 0-500 bar
 DN 15 mm
 thread

valve normally closed (A ► B)
 symbol **NC**



valve normally open (A ► B)
 symbol **NO**



operating principle

pressure balanced, with spring return, intersecting switch-over

body material

- ① brass
- ②
- ③
- ④
- ⑤
- ⑥ stainless steel

valve seat

synthetic materials on metal

seal materials

NBR PTFE, FPM, CR, EPDM

ports

PCD-H threads G 1/2 - G 3/4

function
pressure range

NC NO
 bar 0-500

Kv value
vacuum
pressure-vacuum

m³/h 3.5
 leak rate
 P1 ↔ P2

back pressure
media

P2 > P1 gaseous - liquid

abrasive media
damping

opening
 closing

flow direction
switching cycles
switching time

1/min 100
 ms opening 30-3000
 closing 30-3000

media temperature
ambient temperature

°C direct mounted pilot valve 60 remote mounted pilot valve outside
 °C direct mounted pilot valve 50 temperatur range of media max. 150 °C

flush ports

leak ports

limit switches
manual override

inductive
 via pilot valve

approvals

mounting

weight

kg 17.5

additional equipment

nominal voltage

Un DC 24 V special voltage upon request
 Un AC 230 V 50 Hz special voltage upon request
 DC 4.8 W 2.5 W [actuation pressure range 4-7 bar]

power consumption

protection

energized duty rating

connection

optional additional equipment

max. temperature

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

explosion proof

media 60°C
 ambient 50°C
 E Ex e II T5 nominal voltage Un DC 24 V 3.25 W
 power consumption AC 230 V 50 Hz 2.90 W

actuation pressure range

bar 4-8

air consumption

cm³/stroke 7

cycle speed

main valve speed variable by throttleson pilot valve preferably 5/2 way pilot valve

control

pilot valve interface

2/4 G 1/8

actuator ports

hydraulic specifications

options

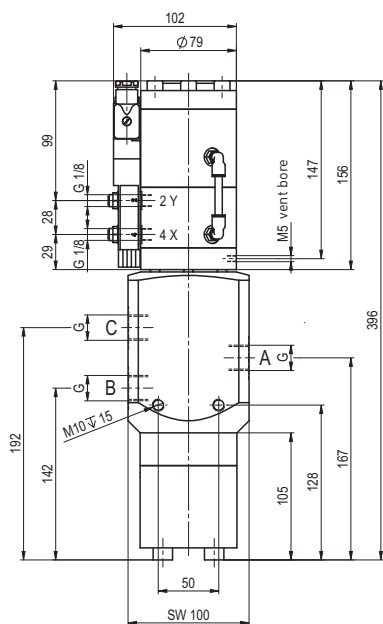
actuation pressure range

control

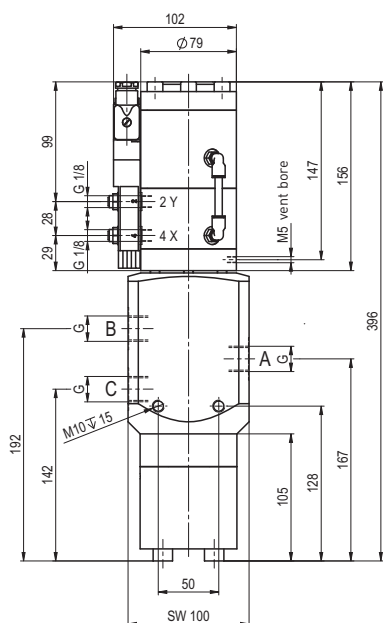
actuator ports

by media

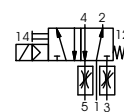
function: **NC**
 closed when not energized (A ► B)



function: **NO**
 open when not energized (A ► B)



pneumatic specifications



5/2 way pilot valve
 flow rate 350 l/min
 pressure range 3-10 bar G 1/8