



08/2021



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
- 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.

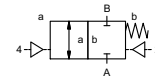
2/2-way valve

- pressure range**
- orifice**
- connection**
- function**

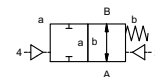
externally controlled

- PN 0-500 bar
- DN 15 mm
- thread

- valve normally closed
- symbol **NC**



- valve normally open
- symbol **NO**



design

body materials

pressure balanced, with spring return

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

valve seat

synthetic resin 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

A ↔ B as marked
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

via pilot valve inductive

approvals mounting weight additional equipment

kg 17,5

nominal voltage

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]

power consumption

protection energized duty rating

AC pick up 11,0 VA holding 8,5 VA
IP65 (P54) acc. DIN 40050
ED 100%

connection optional additional equipment max. temperature

plug acc. DIN EN 175301-803 form B, 4 positions x90° / 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 U_n DC 24 V 3,25 W
power consumption AC 230 V 50 Hz 2,90 W

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

bar 4-10
cm³/stroke 7
main valve speed variable by throttleson pilot valve preferably 5/2 way pilot valve
2/4 G 1/8

actuation pressure range control actuator ports by media

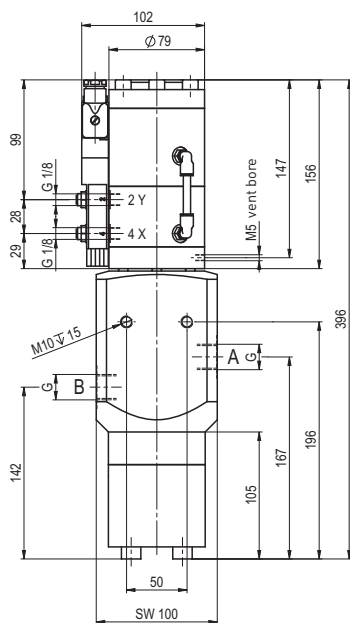
hydraulic specifications options

specifications not highlighted are standard
 specifications highlighted in grey are optional

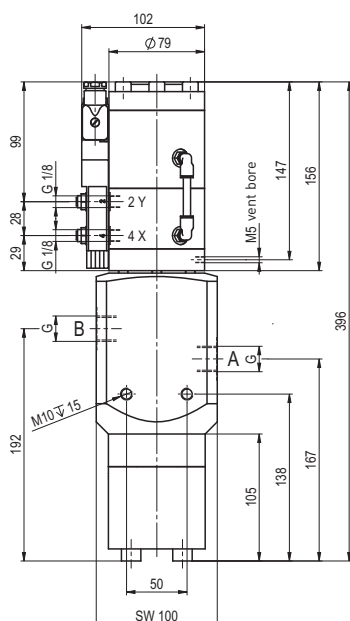
coax® data sheet - lateral valve

type PCD-H 15

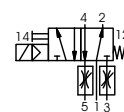
function: **NC**
closed when not energized



function: **NO**
open when not energized



pneumatic specifications



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