

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
- 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.

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

3/2 way valve

pressure range
orifice
connection
function

design

body materials

valve seat

seal materials

ports

function
pressure range

Kv value
vacuum
pressure-vacuum

back pressure
media

abrasive media
damping

flow direction
switching cycles
switching time

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
optional additional equipment
max. temperature

explosion proof

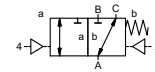
actuation pressure range
air consumption
cycle speed
control
pilot valve interface
actuator ports

actuation pressure range
control
actuator ports
by media

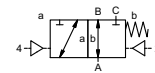
externally controlled

PN 0-500 bar
 DN 15 mm
 thread

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



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



pressure balanced, with spring return, intersecting switch-over

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

synthetic resin on metal

NBR PTFE, FPM, CR, EPDM

general specifications

options

PCD-H	threads G 1/2 - G 3/4
	NC NO
bar	0-500
m ³ /h	3,5
leak rate	
P ₁ ⇄ P ₂	
P ₂ > P ₁	gaseous - liquid
opening	
closing	
1/min	100
ms	opening 30-3000 closing 30-3000
°C	direct mounted pilot valve 60 remote mounted pilot valve outside
°C	direct mounted pilot valve 50 temperatur range of media max. 150 °C
	inductive
	via pilot valve
kg	17,5

electrical specifications

options

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, 4 positions x90° / 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	

pneumatic specifications

options

bar	4-10
cm ³ /stroke	7
	main valve speed variable by throttle on pilot valve preferably 5/2 way pilot valve
2/4	G 1/8

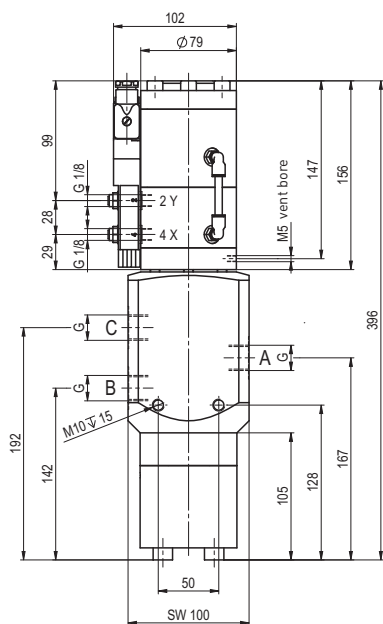
hydraulic specifications

options

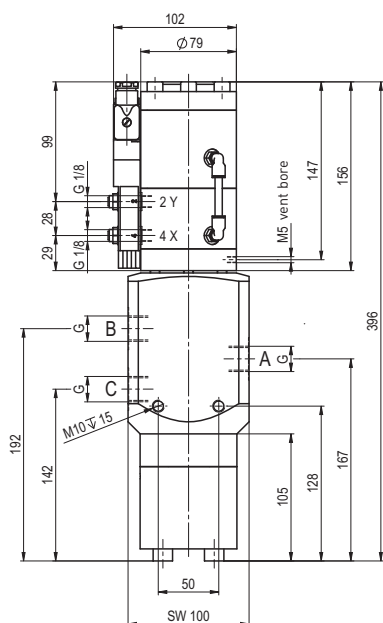
coax® data sheet - lateral valve

type PCD-H 15 DR

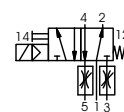
function: **NC**
closed when not energized (A ► B)



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