

## 5-PCD-H 15 DR

valve type with pilot valve



# lateral valve

## type PCD-H 15 DR

**3/2 way valve** externally controlled

**pressure range** PN 0-500 bar

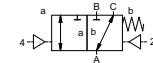
**orifice** DN 15 mm

**connection** thread

**function** valve

normally closed (A ▶ B)

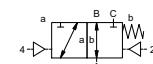
symbol NC



**valve** valve

normally open (A ▶ B)

symbol NO



**design** pressure balanced, with spring return, switching overlap

**body materials**

① brass

③

③

⑤

④

⑥ stainless steel

**valve seat** synthetic resin on metal

**seal materials** NBR

PTFE, FPM, CR, EPDM

**⚠** 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
- low wattage coil, actuation pressure range 4-7 bar
- pilot valve type

## general specifications

## options

ports	PCD-H	threads G 1/2 - G 3/4
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function	NC	NO
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pressure range	bar	0-500
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K <sub>v</sub> value	m <sup>3</sup> /h	3,5
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vacuum	leak rate	
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pressure-vacuum	P <sub>1</sub> ↔ P <sub>2</sub>	
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back pressure	P <sub>2</sub> > P <sub>1</sub>	
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media	gaseous - liquid	
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abrasive media		
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damping	opening	
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flow direction	closing	
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switching cycles	see pressure range	
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switching time	1/min	100
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media temperature	ms	opening 30-3000 closing 30-3000
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ambient temperature	°C	direct mounted pilot valve 60
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flush ports	direct mounted pilot valve 50	remote mounted pilot valve outside temperature range of media max. 150 °C
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leak ports		
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limit switches		
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manual override		
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approvals		
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mounting		
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weight	kg	17,5
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## additional equipment

## electrical specifications

## options

nominal voltage	U <sub>n</sub> DC 24 V	
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	U <sub>n</sub> AC 230 V 50 Hz	
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special voltage upon request

special voltage upon request

power consumption	DC 4,8 W	2,5 W
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protection	AC pick up 11,0 VA holding 8,5 VA	
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energized duty rating	IP65 (P54) acc. DIN 40050	
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connection	ED 100%	
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optional	plug acc. DIN EN 175301-803 form B, 4 positions x90° / wire diameter 6-8 mm	
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additional equipment	M12x1 connector acc. DESINA	connector acc. VDMA
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max. temperature	illuminated plug with varistor	
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media	60°C	
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ambient	50°C	
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explosion proof	E Ex e II T5 nominal voltage U <sub>n</sub>	DC 24 V 3,25 W
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	power consumption	AC 230 V 50 Hz 2,90 W
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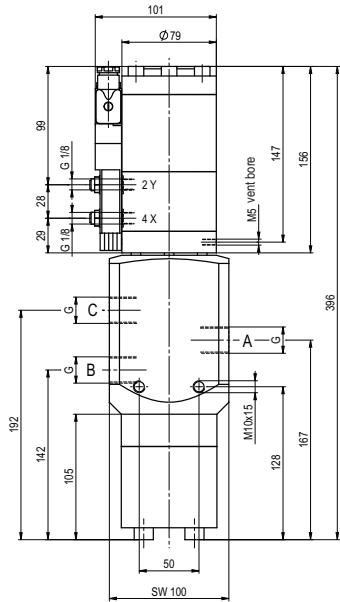
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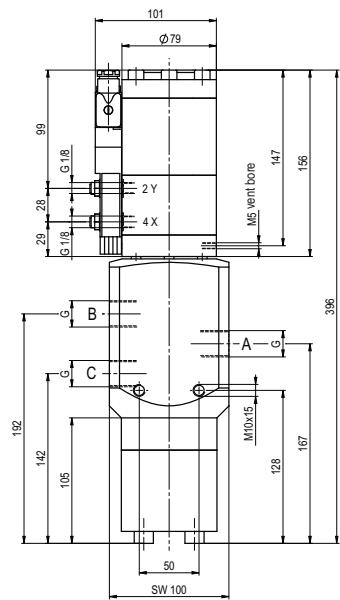
## type PCD-H 15 DR

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



## type PCD-H 15 DR

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



### pneumatic actuation

