

## lateral valve

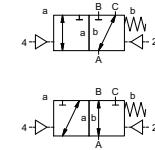
### type PCD 10 DR

#### 5-PCD 10 DR

valve type with pilot valve



<b>3/2 way valve</b>	<b>externally controlled</b>
<b>pressure range</b>	PN 0-250 bar
<b>orifice</b>	DN 10 mm
<b>connection</b>	thread
<b>function</b>	valve
	normally closed (A ► B) symbol NC
	valve
	normally open (A ► B) symbol NO



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

<b>design</b>	pressure balanced, with spring return, switching overlap
<b>body materials</b>	① brass ③ ④ ⑤ ⑥ stainless steel
<b>valve seat</b>	synthetic resin on metal
<b>seal materials</b>	NBR PTFE, FPM, CR, EPDM

#### 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	threads G 3/8
function	NC	NO
pressure range	bar 0-250	
Kv value	m³/h 1,5	
vacuum	leak rate	
pressure-vacuum	P <sub>1</sub> ↔ P <sub>2</sub>	
back pressure	P <sub>2</sub> > P <sub>1</sub>	
media	gaseous - liquid	
abrasive media		
damping	opening	
	closing	
flow direction	see pressure range	
switching cycles	1/min 130	
switching time	ms opening 30-3000 closing 30-3000	
media temperature	°C direct mounted pilot valve 60	remote mounted pilot valve outside temperature range of media max. 150 °C
ambient temperature	°C direct mounted pilot valve 50	
flush ports		
leak ports		
limit switches		inductive
manual override		
approvals		
mounting		
weight	kg 3,5	
additional equipment		

 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.

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

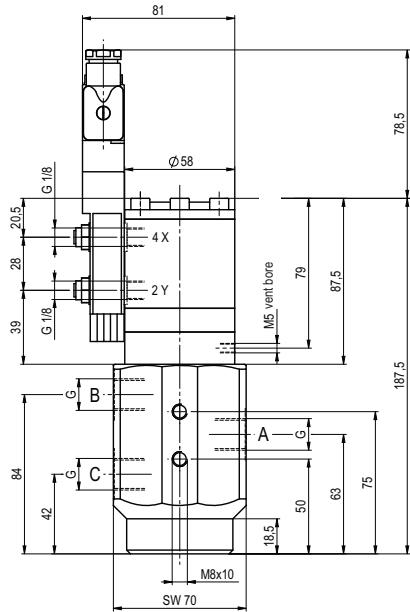
pneumatic specifications		options
actuation pressure range	bar 4-10	
air consumption	cm <sup>3</sup> /stroke 7	
cycle speed		main valve speed variable by throttleson pilot valve
control		preferably 5/2 way pilot valve
pilot valve interface		
actuator ports	2/4	G 1/8

hydraulic specifications		options
actuation pressure range		
control		
actuator ports		
by media		

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

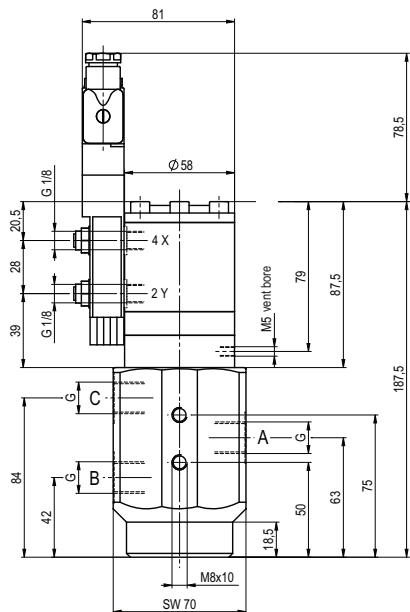
## type PCD 10 DR

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



## type PCD 10 DR

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



### pneumatic actuation

