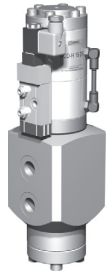


lateral valve type PCD-H 15 DR

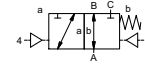
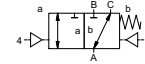
5-PCD-H 15 DR

valve type with pilot valve



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 normally open (A ► B)
 symbol **NO**



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

design pressure balanced, with spring return, intersecting switch-over

body materials ① brass ②
 ③ ⑤
 ④ ⑥ stainless steel

valve seat synthetic resin on metal
seal materials 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

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

general specifications

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

options

electrical specifications

| | | | |
|------------------------------|----------------|--|--|
| nominal voltage | U _n | DC 24V | special voltage upon request |
| | U _n | AC 230V 50 Hz | special voltage upon request |
| power consumption | DC | 4,8 W | 2,5 W |
| | AC | pick up 11,0 VA holding 8,5 VA | |
| protection | IP 65 (P54) | acc. DIN 40 050 | |
| energized duty rating | ED | 100% | |
| connection | | plug acc. DIN EN 175301-803 form B, 4 positions x 90° / wire diameter 6-8 mm | |
| additional equipment | | illuminated plug with varistor | |
| optional | M12x1 | connector acc. DESINA | connector acc. VDMA |
| max. temperature | media | 60°C | |
| | ambient | 50°C | |
| explosion proof | EEx m II T5 | nominal voltage U _n | direct current 24 V 3,25 W |
| | | power consumption | alternating current 230 V 50 Hz 2,90 W |

options

pneumatic specifications

| | | |
|---------------------------------|-------------------------|---|
| actuation pressure range | bar | 4-10 |
| air consumption | cm ³ /stroke | 7 |
| cycle speed | | main valve speed variable by throttles on pilot valve |
| control | | preferably 5/2-way pilot valve |
| actuator ports | 2/4 | G 1/8 |

options

hydraulic specifications

| | | |
|---------------------------------|--|--|
| actuation pressure range | | |
| by media | | |
| control | | |
| actuator ports | | |

options

