

# lateral valve

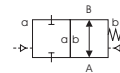
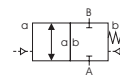
## type PCG-H 15

5-PCG-H 15

type designation with pilot valve



**2/2-way valve** air operated  
**pressure range** PN 0-500 bar  
**orifice design** DN 15 mm cartridge  
**function** valve normally closed  
**symbol** NC  
 valve normally open  
**symbol** NO



**actuation** air operated with spring return  
**construction** brass  
**accessories** valve body (see extra sheet)  
 adapter (see extra sheet)  
 particle trap (see extra sheet)  
**valve seat** Peek to Monel  
**seal materials** EPDM, FPM, NBR, PCTFE, PEEK

**required information - valve**

- orifice
- function nc/no
- operating pressure
- flow rate
- media
- media temperature
- ambient temperature

**required information - accessories**

- valve body
- adapter
- particle trap

**required information - pneumatic**

- nominal voltage
- type of protection
- actuation pressure range min/max
- low wattage coil
- pilot valve type

**general specification**

**options**

<b>connection</b>	PCG-H	on valve body	
<b>function</b>		NC	NO
<b>pressure range</b>	bar	0 - 500	
<b>flow rate (Kv)</b>	m <sup>3</sup> /h	3,3	
<b>vacuum</b>	leak rate	< 10 <sup>-6</sup> mbar x l x s <sup>-1</sup>	
<b>pressure-vacuum</b>	P <sub>1</sub> ↔ P <sub>2</sub>	pressure side 500 bar max. vacuum side leak rate < 10 <sup>-6</sup> mbar x l x s <sup>-1</sup> (actuation pressure 7 bar min.)	
<b>back pressure</b>	P <sub>2</sub> > P <sub>1</sub>	500 bar (actuation pressure 7 bar min.)	
<b>media</b>		gases	
<b>abrasive media</b>			
<b>damping</b>	opening		
	closing	by throttles	by throttles on pilot valve
<b>flow direction</b>		A ► B / B ► A	
<b>switching cycles</b>	1/min	170	
<b>switching time</b>	ms	opening 160-7000 closing 180-7000	
<b>media temperature</b>	°C	- 40 to + 80	
<b>ambient temperature</b>	°C	- 40 to + 60	
<b>flush ports</b>			
<b>leak ports</b>			
<b>limit switches</b>			by adapter on valve body
<b>manual override</b>			by 5/2-way-pilot valve
<b>approvals</b>	O <sub>2</sub>	300 / 420 bar	
<b>mounting</b>			threads in valve body
<b>weight</b>	kg	6,6	
<b>additional equipment</b>			valve body, adapter, particle trap

**electrical specifications**

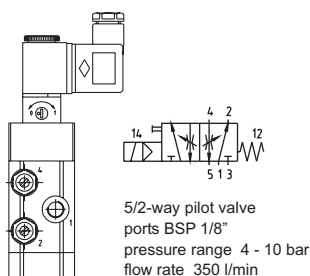
**options**

<b>nominal voltage</b>	U <sub>n</sub>	24 V	-DC	special voltages upon request
	U <sub>n</sub>	230 V	50 Hz - AC	special voltages upon request
<b>power consumption</b>	DC	4,8 Watt		2,5 Watt
	AC	pick up 12,6 VA holding 9,7 VA		
<b>protection</b>	IP 65	acc. DIN 40 050		
<b>energized duty rating</b>	ED	100%		
<b>connection</b>	Pg9	plug acc. DIN 43 650, 2 positions x180°		
<b>additional equipment</b>		illuminated plug with varistor		
<b>coil</b>		mounted 3 positions x90°		
<b>max. temperatures</b>	media	+ 10°C to + 60°C		
	ambient	- 10°C to + 50°C		
<b>explosion proof</b>	EEx m II T5	nominal voltage U <sub>n</sub>	DC 24V	3,25 Watt
		power consumption	AC 230V 50Hz	2,90 Watt

**pneumatic specifications**

**options**

<b>actuation pressure</b>	bar	7	
<b>air consumption</b>	cm <sup>3</sup> /stroke	opening 30	closing 80
<b>switching speed</b>		adjustable by throttles	
<b>control</b>		by 5/2-way pilot valve	
<b>actuator ports</b>	2/4	BSP 1/8"	1 BSP 1/8" on pilot valve



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

# Type **PCG-H 15 NC / NO**

