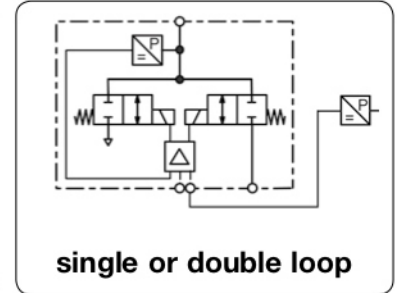


# PQH - Instrumentation, régulation de pression d'air ou de gaz, à commande proportionnelle, simple ou double boucle de régulation

<b>Description</b>	Proportional control valve with closed loop control technology for better control of pressurised gases. The instrument can be built as single closed loop or dual closed loop control valve. dry, lubricated or unlubricated and 20 µm filtered compressed air or non-corrosive gases	
<b>Media</b>	constant outlet pressure at voltage drop	
<b>Fail freeze</b>	0-10 V, impedance 4.7 kΩ, ratio of internal to external relationship is 10% to 90%	
<b>Second loop</b>	15-24 V DC, residual ripple < 10%, with reverse voltage protection	
<b>Supply voltage</b>	0-10 V / 10 kΩ, 4-20 mA / 100 Ω	
<b>Impedance</b>	IP65	
<b>Protection class</b>	M12, 6-pin	
<b>Electrical connector</b>	24 W ( 985mA) regulating, 2.4W (100mA) non-regulating	
<b>Power consumption</b>	< 0.5% FS	
<b>Linearity/Hysteresis</b>	<b>Repeatability</b> < 0.5% FS	
<b>Adjustment</b>	zero, span, hysteresis	
<b>Temperature range</b>	<b>Mounting position</b> any, vibration-resistant	
<b>Material</b>	Elastomer: FKM	
	Ports: brass	
	Valves: stainless steel	
	Transducer: silicon	



Dimensions			K <sub>v</sub> - value (m <sup>3</sup> /h)	Flow rate l/min*1	Supply pressure max. bar	Accuracy %	Connection thread G	Pressure range bar	Order number
A	B	C							

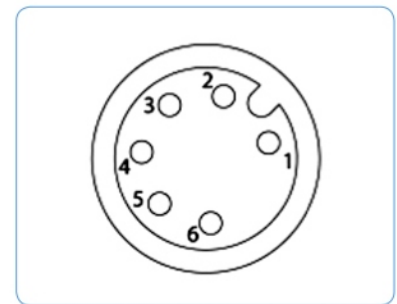
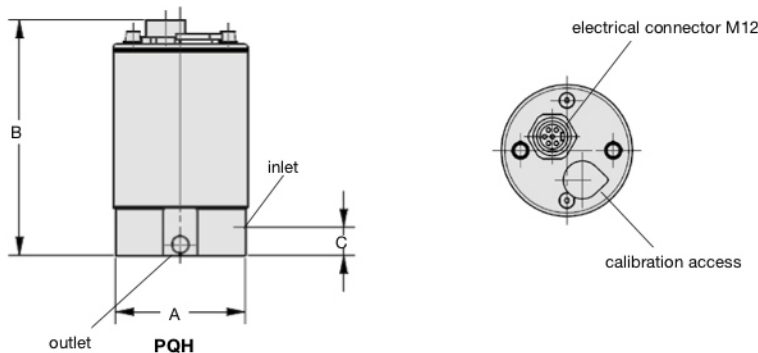
Proportional pressure valve									0-10 V input and monitor signal, w. coupling socket supply voltage 24 V DC, single loop	<b>PQH1</b>
76	122	15	0.016	280	75	0.5	G½	0... 40		<b>PQH1EE-40</b>
								0... 50		<b>PQH1EE-50</b>
								0... 60		<b>PQH1EE-60</b>
								0... 70		<b>PQH1EE-70</b>



**PQH1**

Proportional pressure valve									0-10 V input, monitor- and feedback signal, with coupling socket, supply volt. 24 V DC, double loop	<b>PQH2</b>
76	122	15	0.016	280	75	0.5	G½	0... 40		<b>PQH2EE-40</b>
								0... 50		<b>PQH2EE-50</b>
								0... 60		<b>PQH2EE-60</b>
								0... 70		<b>PQH2EE-70</b>

Special options, add the appropriate letter or number		
4-20 mA	input and feedback signal	PQH . IC- ..
for oxygen		PQH ... - .15
stainless steel manifold		PQH ... - .SS



**view from solder pin side**

Pin	Description
1	TTL output
2	set point +
3	set point ground
4	supply 24V DC
5	supply earth
6	analogue output signal

**connection plan**

\*1 at 70 bar supply pressure and open outlet