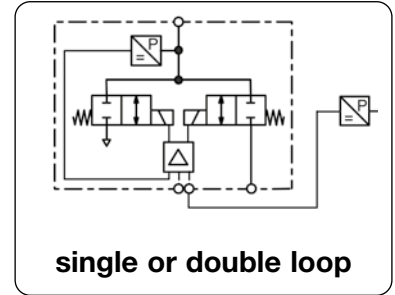


Description	Proportional pressure regulator with closed loop control technology for better control of pressurised gases. The instrument can be built as single closed loop or dual closed loop control valve. dry, lubricated or unlubricated and 20 µm filtered compressed air or non-corrosive gases	
Media	constant outlet pressure at voltage drop	
Fail freeze	0-10 V, impedance 4.7 kΩ, ratio of internal to external relationship is 10% to 90%	
Second loop	15-24 V DC, residual ripple < 10%, with reverse voltage protection	
Supply voltage	0-10 V / 10 kΩ, 4-20 mA / 100 Ω	
Impedance		
Protection class	IP65	
Electrical connector	M12, 6-pin	
Power consumption	24 W (985 mA) regulating, 2.4 W (100 mA) non-regulating	
Linearity/Hysteresis	< 0.5% FS	
Adjustment	zero, span, hysteresis	
Temperature range	0 °C to 70 °C / 32 °F to 158 °F	
Material	Ports: brass	Transducer: silicon
	Repeatability	< 0.5% FS
	Mounting position	any, vibration-resistant
	Elastomer:	FKM
	Valves:	stainless steel



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

Proportional pressure regulator									0-10 V input and monitor signal, w. coupling socket supply voltage 24 V DC, single loop	PQH1
76	122	15	0.016	280	75	0.5	G $\frac{1}{8}$	0 ... 40		PQH1EE-40
								0 ... 50		PQH1EE-50
								0 ... 60		PQH1EE-60
								0 ... 70		PQH1EE-70

Proportional pressure regulator									0-10 V input, monitor- and feedback signal, with coupling socket, supply volt. 24 V DC, double loop	PQH2
76	122	15	0.016	280	75	0.5	G $\frac{1}{8}$	0 ... 40		PQH2EE-40
								0 ... 50		PQH2EE-50
								0 ... 60		PQH2EE-60
								0 ... 70		PQH2EE-70



PQH1

Special options, add the appropriate letter or number

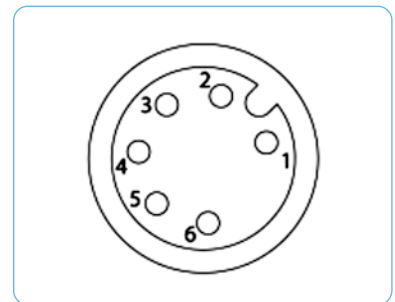
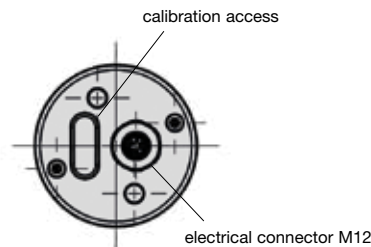
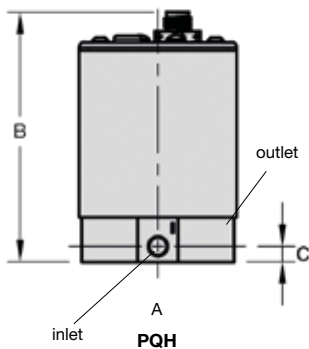
4-20 mA	input and feedback signal	PQH . IC- ..
for oxygen		PQH15
stainless steel manifold		PQHSS

Pneumatic connections

I: inlet
O: outlet
E: exhaust

LED status

LED red: supply voltage
LED green: setpoint/input value equal



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

For further details about double loop see end of the chapter

PDF CAD
www.aircom.net

* Product group



Order example:
PQH1EE-40