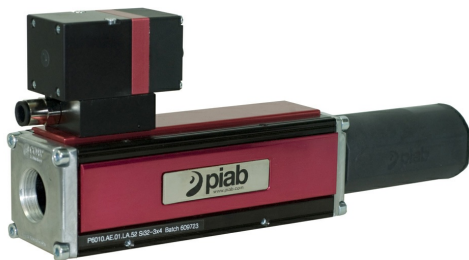


P6010 PCC

Article number: P6010_PCC



- Patented COAX® technology.
- PPC , Piab Cruise Control, is programmable for constant vacuum level in the system
- Quick adjustment
- Easy to install in control systems
- Low power consumption, 24 VDC/120 mA
- Integrated analogue vacuum sensor
- 1-4 cartridges

Technical data

Description	Unit	Value
Material	-	Al, CuZn, Nitrile (NBR), PA, SS
Temperature, max.	°C	50
Temperature, min.	°C	3
Feed pressure, max.	MPa	1
Feed pressure, min.	MPa	0.12
Pressure, max. (Outlet pressure, to vacuum pump.)	MPa	0.9
Safety classification	-	IP65
Noise level, max.	dBA	70
Noise level, min.	dBA	50
Current, consumption	mA	30
Hysteresis	kPa	<0,5 %FS
Signal range, max.	-kPa	90
Signal range, min.	-kPa	0
Pressure, drop	MPa	0.1
Air consumption (Internal.)	NI/s	0,04
Flow rate, max.	NI/s	18.3
Input impedance, signal in	kΩ	55
Linearity	% FS	<1,5
Particle size compressed air, max.	µm	20
Supply voltage, max.	VDC	26.4
Supply voltage, min.	VDC	21.8
Supply voltage, nominal	VDC	24
Voltage, signal input	VDC	0-10

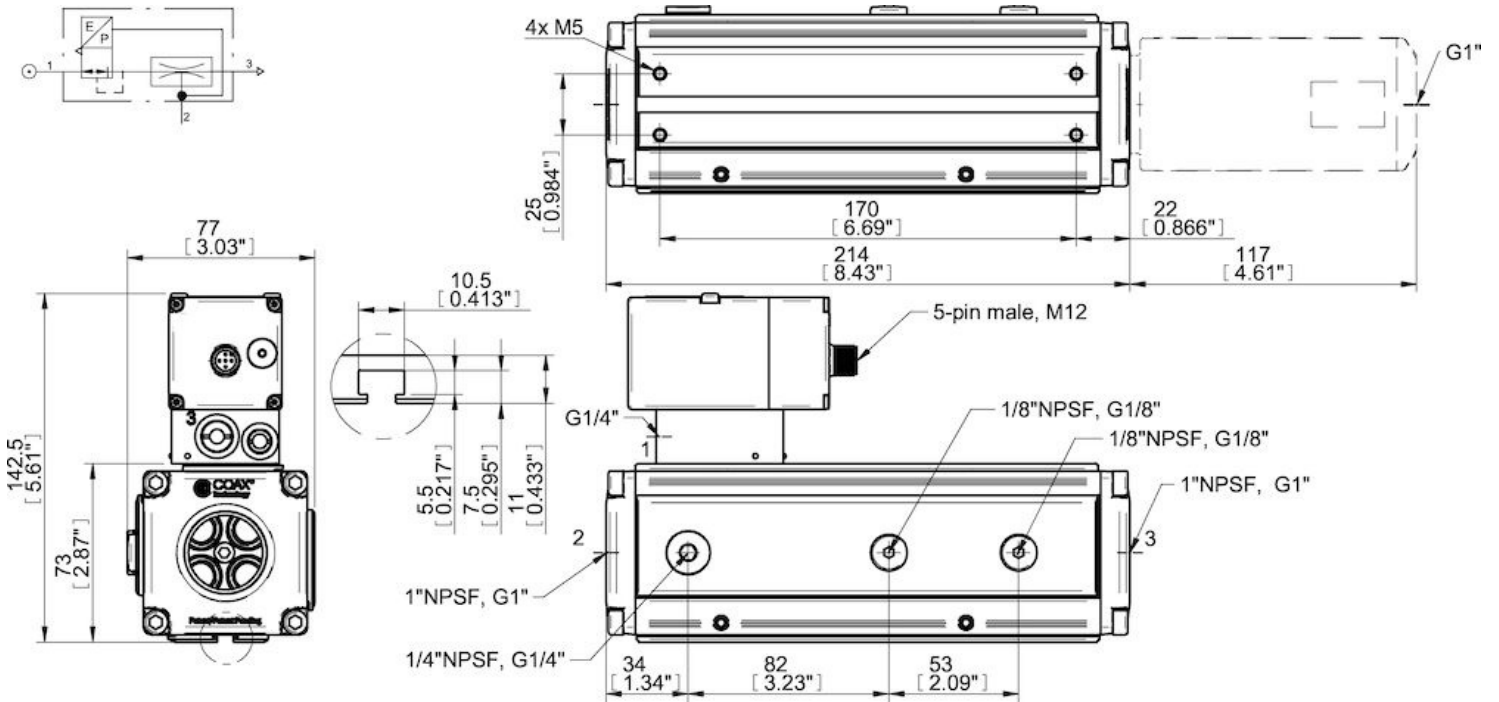
Performance

Feed pressure MPa	Air consumption NI/s	Vacuum flow (NI/s) at different vacuum levels (-kPa)													Max vacuum kPa
		0	10	20	30	40	50	60	70	75	80	90	95	99	
0.31	2	5.6	2.5	1.8	1.1	0.65	0.5	0.35	0.25	0	0.1	0	0	0	≥90
0.6	1.75	6	3.5	2.6	1.7	0.9	0.6	0.5	0.35	0	0	0	0	0	≥75
0.6	1.75	6	3.5	2.6	1.7	0.9	0.6	0	0	0	0	0	0	0	≥52
0.45	1.83	5.9	3	2	1.3	0.73	0.58	0.43	0.32	0	0.18	0.03	0	0	≥95
0.45	1.83	5.9	3	2	1.3	0.73	0.58	0	0	0	0	0	0	0	≥51

Feed pressure MPa	Air consumption NI/s	Evacuation time (s/l) to reach different vacuum levels (-kPa)														Max vacuum kPa
		10	20	30	40	50	60	70	80	90	95	99	99.5	100.3		
0.31	2	0.02	0.06	0.12	0.25	0.45	0.7	1	1.6	4	0	0	0	0	0	≥90
0.6	1.75	0.02	0.05	0.1	0.18	0.33	0.53	0.8	0	0	0	0	0	0	0	≥75
0.6	1.75	0.02	0.05	0.1	0.18	0.33	0	0	0	0	0	0	0	0	0	≥52
0.45	1.83	0.022	0.062	0.12	0.22	0.37	0.57	0.84	1.2	2.2	0	0	0	0	0	≥95
0.45	1.83	0.022	0.062	0.12	0.22	0.37	0	0	0	0	0	0	0	0	0	≥51

Feed pressure MPa	Air consumption NI/s	Blow flow (NI/s) at different pressure levels (-kPa)														Max pressure kPa	
		0	10	20	30	40	50	60	70	80	90	100	110	120	130		140
0.6	1.75	7.8	6.2	4.6	4	3.3	3	2.7	2.3	1.8	0	0	0	0	0	0	≥75
0.6	1.75	7.8	6.2	4.6	4	3.3	3	2.7	2.3	1.8	0	0	0	0	0	0	≥52
0.6	2.33	8.4	6.8	5.1	4.5	3.92	3.65	3.39	3.23	2.95	2.58	0	0	0	0	0	≥0

Dimensional drawings



Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.

Accessories

- 0112499 | Silencer G1"
- 0112532 | Manometer 1 MPa
- 0112533 | Manometer 250 kPa
- 0113003 | Silencer 1" NPSF
- 0121817 | Cable M12 4-pin female, PUR, L=5m*