

P6010 CU

Item number: P6010_CU



- COAX® P6010 multistage ejector with Pi, Si or Xi vacuum cartridge(s).
- Integrated Control Unit (CU) with electric valves for vacuum on-off and blow-off control.
- Mechanical valve for blow-off flow adjustment.
- Configurable and modular design.
- On CU units for P6010, there is an option to blow from a separate port to maximize blow-off efficiency in the vacuum system.
- 1-4 cartridges.

Technical data

Description	Unit	Value
Material	-	Al. Nitrile (NBR). PA. PMMA. SS. TPE
Temperature, max.	°F	122
Temperature, min.	°F	32
Weight, max.	oz	131.25
Weight, min.	oz	125
Feed pressure, max.	psi	102
Safety classification	-	IP65 [NEMA 4]
Valve function	-	NC
Noise level, max.	dBA	70
Noise level, min.	dBA	50
Current, consumption	mA	60
Vacuum flow, range, max.	scfm	15.89
Vacuum flow, range, min. (Blow_off)	scfm	0
Humidity, max.	% RH	90
Ripple, max.	V_rms	1
Supply voltage, max.	VDC	28
Supply voltage, min.	VDC	22
Supply voltage, nominal	VDC	24

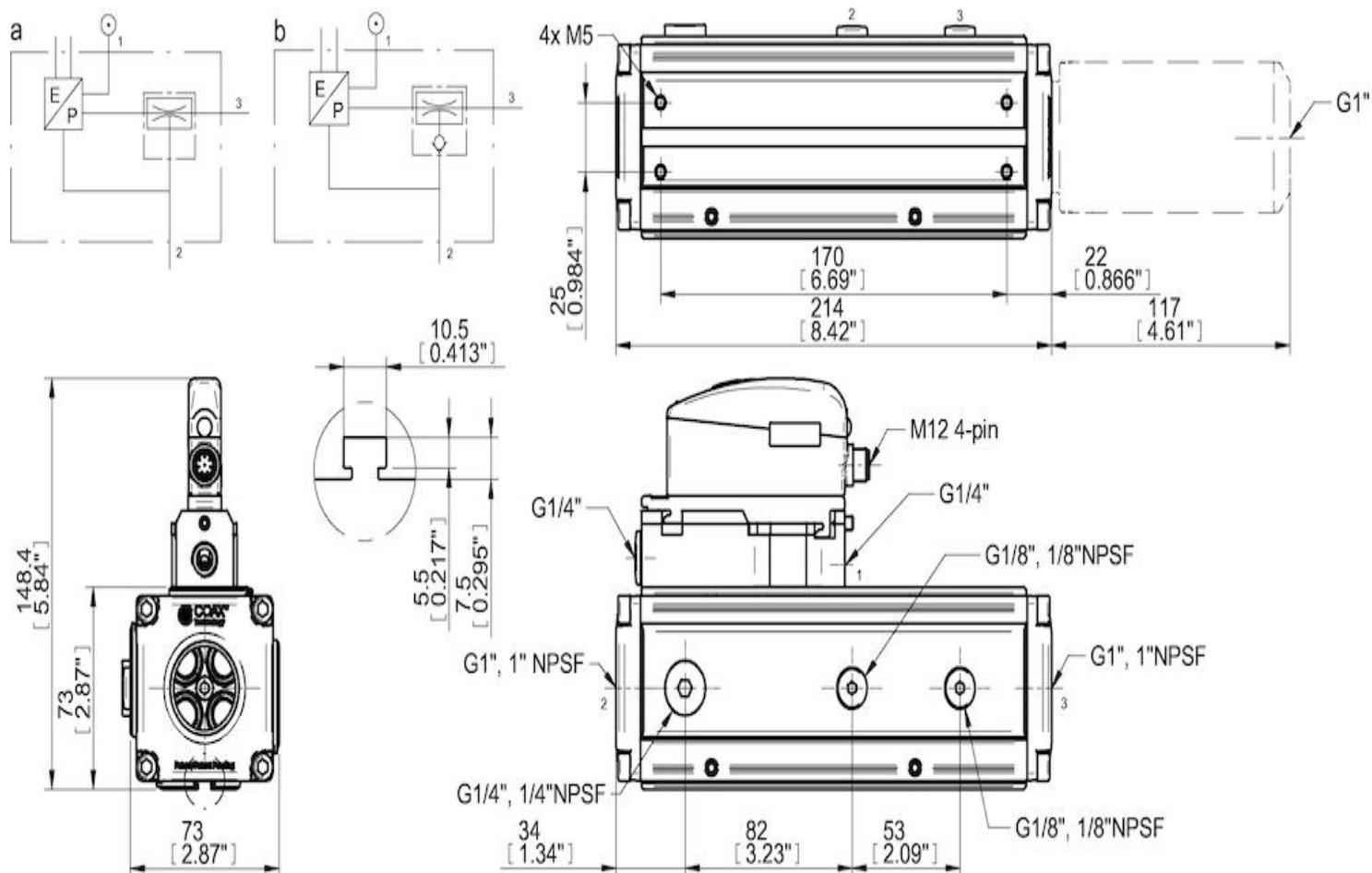
Performance

Ejector specification	Feed pressure psi	Air consumption scfm	Vacuum flow (scfm) at different vacuum levels (-inHg)										Max vacuum -inHg
			0	2	5	8	11	14	17	20	26	29	
Pi48-3	44.96	4.24	11.87	5.3	3.81	2.33	1.38	1.059	0.74	0.53	0.21		≥26.58
Pi48-3 (×1 flap valve)	44.96	4.24	11.87	4.87	3.81	2.33	1.38	1.059					≥15.06
Si32-3	87.023	3.71	12.71	7.42	5.51	3.6	1.91	1.27	1.059	0.74			≥22.15
Si32-3 (×1 flap valve)	87.023	3.71	12.71	7.42	5.51	3.6	1.91	1.27					≥15.36
Xi40-3	65.27	3.88	12.5	6.36	4.24	2.75	1.55	1.23	0.91	0.68	0.38	0.064	≥28.054
Xi40-3 (×1 flap valve)	65.27	3.88	12.5	6.36	4.24	2.75	1.55	1.23					≥15.06
Xi40-3	87.023	4.94	12.5	6.78	4.66	3.39	1.91	1.1	0.85	0.66	0.34	0.064	≥27.76

Ejector specification	Feed pressure psi	Air consumption scfm	Evacuation time (s/cf) to reach different vacuum levels (-inHg)										Max vacuum -inHg
			2	5	8	11	14	17	20	23	26		
Pi48-3	44.96	4.24	0.57	1.7	3.4	7.079	12.74	19.82	28.32	45.31	113.27		≥26.58
Pi48-3 (×1 flap valve)	44.96	4.24	0.57	1.7	3.4	7.079	12.74						≥15.06
Si32-3	87.023	3.71	0.57	1.42	2.83	5.097	9.34	15.0079	22.65				≥22.15
Si32-3 (×1 flap valve)	87.023	3.71	0.57	1.42	2.83	5.097	9.34						≥15.36
Xi40-3	65.27	3.88	0.62	1.76	3.4	6.23	10.48	16.14	23.79	33.98	62.3		≥28.054
Xi40-3 (×1 flap valve)	65.27	3.88	0.62	1.76	3.4	6.23	10.48						≥15.06
Xi40-3	87.023	4.94	0.57	1.53	2.83	4.81	7.36	12.18	20.1	33.98	67.96		≥27.76

Ejector specification	Feed pressure psi	Air consumption scfm	Blow flow (scfm) at different pressure levels (-inHg)										Max pressure -inHg
			0	2	5	8	11	14	17	20	23	26	
Si32-3	87.023	3.71	16.53	13.14	9.75	8.48	6.99	6.36	5.72	4.87	3.81		≥22.15
Si32-3 (×1 flap valve)	87.023	3.71	16.53	13.14	9.75	8.48	6.99	6.36	5.72	4.87	3.81		≥15.36
Xi40-3	87.023	4.94	17.8	14.41	10.81	9.54	8.31	7.73	7.18	6.84	6.25	5.47	≥27.76

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

- 01.12.499 | Silencer G1"
- 01.12.532 | Manometer 1 MPa
- 01.12.533 | Manometer 250 kPa
- 01.13.003 | Silencer 1" NPSF