

P3010 CU

Item number: P3010_CU



- Patented multistage COAX® cartridge - MINI - with Pi, Si, Xi cartridge.
- Integrated Control Unit (CU) with electric valves for vacuum on-off and blow-off control.
- Mechanical valve for blow-off flow adjustment.
- Slim, compact, configurable and modular design.

Technical data

Description	Unit	Value
Material	-	Al. Nitrile (NBR). PA. PMMA. SS
Temperature, max.	°F	122
Temperature, min.	°F	32
Weight, max.	oz	11.15
Weight, min.	oz	8.32
Feed pressure, max.	psi	102
Safety classification	-	IP65 [NEMA 4]
Valve function	-	NC
Noise level, max.	dBA	68
Noise level, min.	dBA	66
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

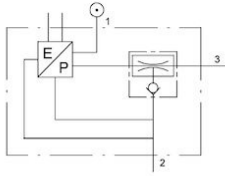
Performance

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	23	26	29		
Pi12-3	46.41	0.93	2.97	1.27	0.93	0.57	0.4	0.3	0.21	0.13		0.064		≥26.58	
Xi10-3	72.52	0.97	3.03	1.48	1.059	0.7	0.4	0.32	0.23	0.15		0.095	0.023	≥27.76	
Si08-3	87.023	0.93	2.84	1.55	1.17	0.74	0.49	0.36	0.28	0.17				≥22.15	
Pi12-3	87.023	1.67	3.39	2.12	1.059	0.87	0.76	0.59	0.36	0.11		0.021		≥24.51	
Xi10-3	87.023	1.14	3.072	1.67	1.12	0.89	0.64	0.34	0.23	0.17	0.085	0.021		≥27.46	

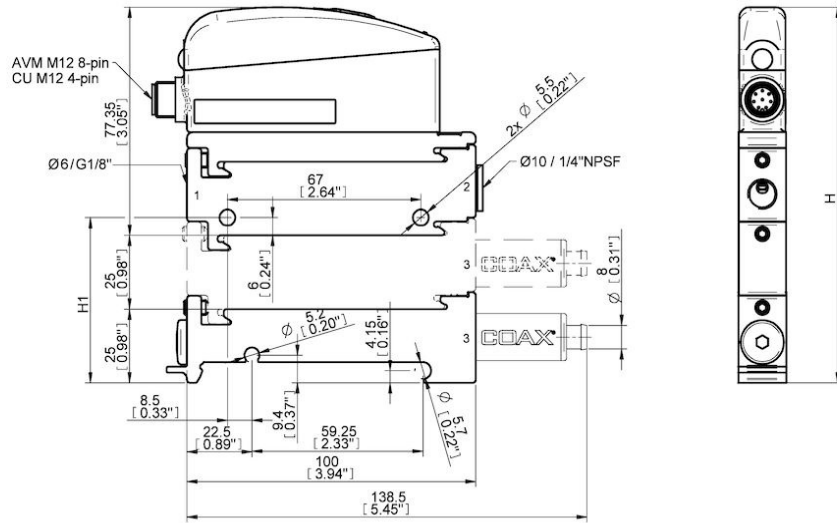
Ejector specification	Feed pressure psi	Air consumption scfm	Evacuation time (s/cf) to reach different vacuum levels (-inHg)											Max vacuum -inHg
			2	5	8	11	14	17	20	23		26		
Pi12-3	46.41	0.93	2.27	6.51	13.88	28.32	48.14	73.62	110.44	178.4				≥26.58
Xi10-3	72.52	0.97	2.55	7.36	14.16	25.49	42.48	62.3	96.28	147.25		249.19		≥27.76
Si08-3	87.023	0.93	2.83	7.079	13.59	22.65	36.81	65.13	130.26					≥22.15
Pi12-3	87.023	1.67	1.7	4.81	10.48	18.41	28.32	39.64	67.96	254.85				≥24.51
Xi10-3	87.023	1.14	2.55	6.8	12.74	19.82	33.98	53.8	84.95	133.089		243.52		≥27.46

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	29	32	35	38	41	
Si08-3	87.023	0.93	3.77	3.11	2.46	2.33	2.18	2.013	1.82	1.7	1.59	1.4	1.12					≥22.15
Pi12-3	87.023	1.67	3.96	3.46	2.97	2.89	2.82	2.6	2.37	2.18	2.18	2.18	2.18	2.12	2.013	1.82	1.67	≥24.51
Xi10-3	87.023	1.14	3.81	3.28	2.75	2.54	2.33	2.2	2.077	1.8	1.78	1.67	1.5	1.29				≥27.46

Dimensional drawings



COAX® Cartridge	H	H1
1	102,4 [4.03"]	31 [1.22"]
2	127,4 [5.01"]	56 [2.2"]



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 $\pm 10\%$.

Accessories

01.18.322 | Cable M12 4-pin female, M12 4-pin male, PUR, L=2m