

P6010 AVM™2

Item number: P6010_AVM™2



- COAX® P6010 multistage ejector with Pi, Si or Xi vacuum cartridge(s).
- AVM™2, Automatic Vacuum Management, unit with built-in control and monitoring functions.
- Valves for vacuum on/off and blow-off.
- Special safety feature for the version with normally closed on/off valve. It changes to an open valve if power is lost (E-stop).
- Analog vacuum sensor with two digital outputs, 16 pre-set combinations of signal levels to choose from.
- Digital display with “-kPa” or “-inHg” as unit options.
- Integrated energy saving function (ES) that minimizes the air consumption in sealed systems. The ES function can be activated manually or via a signal (signal override).
- Three-color LED status indicators for valves, signal outputs and ES.
- On AVM™2 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
Display	-	LED indicators. numeric
Feed pressure, max.	psi	102
Safety classification	-	IP65 [NEMA 4]
Current, output	mA	40
Valve function	-	NC. NO
Noise level, max.	dBA	70
Noise level, min.	dBA	50
Current, consumption	mA	110
Vacuum flow, range, max.	scfm	15.89
Vacuum flow, range, min. (Blow-off.)	scfm	0
Hysteresis	inHg	7±1
Signal range, max.	-inHg	23.62
Signal range, min.	-inHg	5.91
Humidity, max.	% RH	90
Ripple, max.	V _{rms}	1
Supply voltage, max.	VDC	28
Supply voltage, min.	VDC	22
Supply voltage, nominal	VDC	24

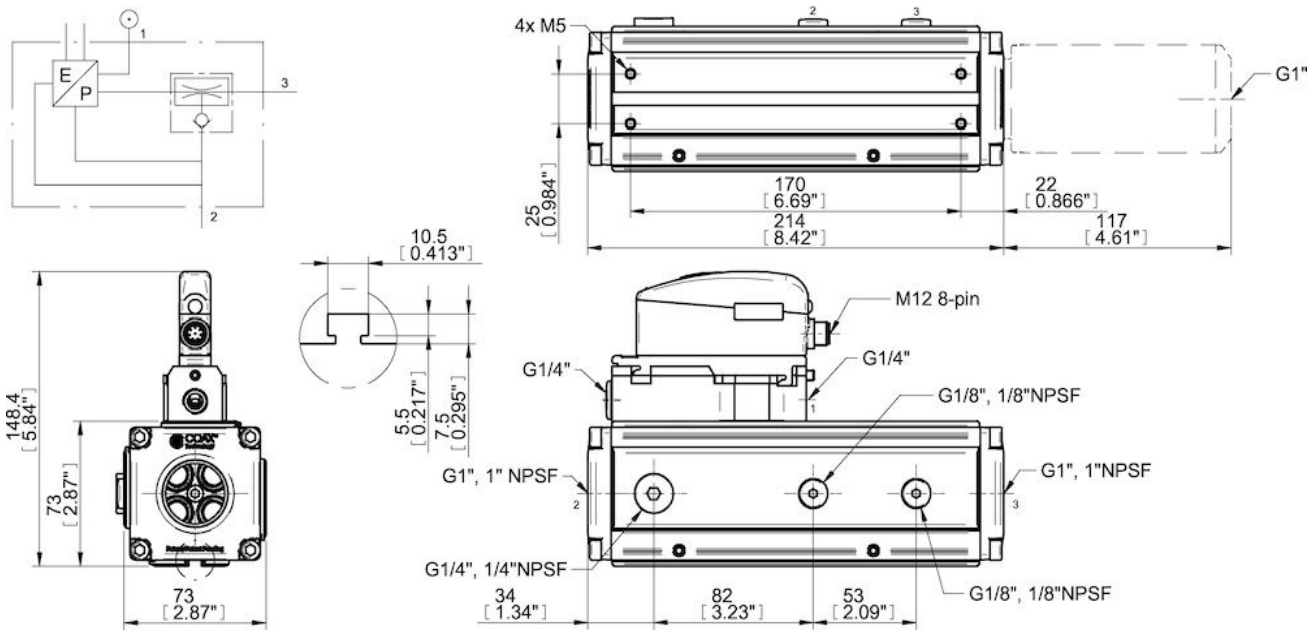
Performance

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 (x1 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 (x1 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 (x1 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	Air consumption	Blow flow (scfm) at different pressure levels (-inHg)										Max pressure
	psi	scfm	0	2	5	8	11	14	17	20	23	26	-inHg
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 (x1 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