

P5010 ES

Item number: P5010_ES



- P5010 multistage ejector with Pi, Si or Xi COAX® push-in cartridge.
- Integrated air-saving function (ES) that minimises the air consumption by controlling the incoming air flow to the pump.
- Operates on a roughly similar system to that of a thermostat in a heating system.
- Large hysteresis is recommended for sealed vacuum handling applications such as metal sheet, glass or plastic handling.
- Small hysteresis is recommended if a very accurate vacuum level has to be maintained in the process.
- Adjustable ES switch level.
- Pneumatic function.
- Configurable and modular design.
- Separate port with built-in blow-off check valve. High flow capacity to maximize efficiency to release an object.

Technical data

Description	Unit	Value
Material	-	Al. CuZn. Nitrile (NBR). PA. POM. SS
Temperature, max.	°F	140
Temperature, min.	°F	32
Weight, max.	oz	55.62
Weight, min.	oz	40
Feed pressure	psi	58
Feed pressure, max.	psi	102
Flow	scfm	15.89
Valve function	-	NO
Noise level, max.	dBA	71
Noise level, min.	dBA	68
Hysteresis	inHg	7.5±2.5
Signal range, max.	-inHg	29.23
Signal range, min.	-inHg	4.43

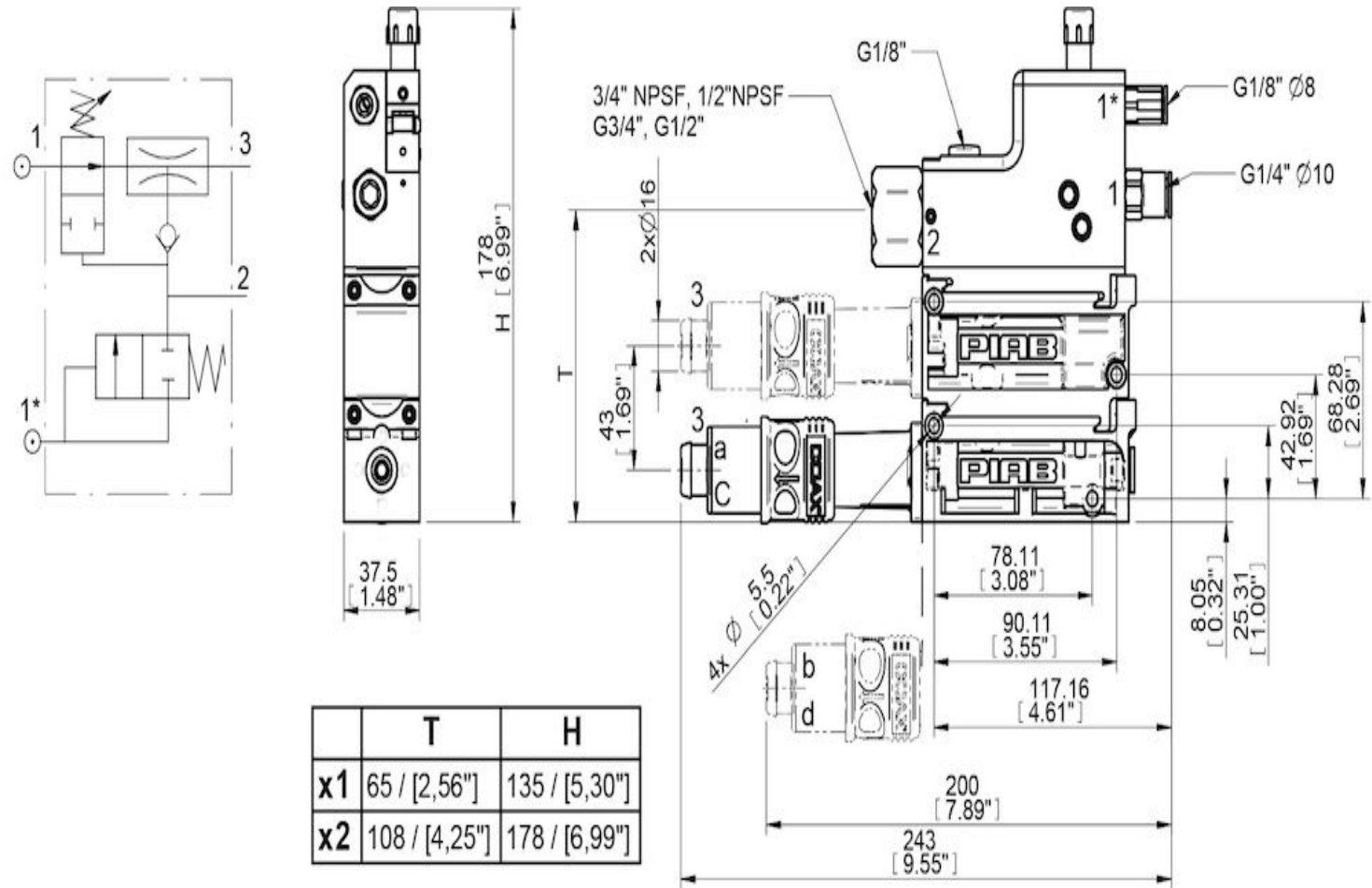
Performance

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		
Pi48-2	43.51	4.24	5.93	5.3	3.81	2.33	1.38	1.059	0.74	0.53	0.21		≥26.58	
Pi48-3	44.96	4.34	11.87	5.3	3.81	2.33	1.38	1.059	0.74	0.53	0.21		≥26.58	
Xi40-2	65.27	3.88	5.93	4.87	3.39	2.12	1.55	1.23	0.91	0.68	0.38	0.064	≥28.054	
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	
Si32-2	87.023	3.71	6.99	6.36	5.51	3.6	1.91	1.27	1.059	0.74			≥22.15	
Si32-3	87.023	3.71	12.71	7.42	5.51	3.6	1.91	1.27	1.059	0.74			≥22.15	

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
Pi48-2	43.51	4.24	1.076	2.38	4.33	7.56	12.49	19.17	28.6	44.77		≥26.58
Pi48-3	44.96	4.34	0.57	1.7	3.4	7.079	12.74	19.82	28.32	45.31	113.27	≥26.58
Xi40-2	65.27	3.88	1.13	2.55	4.81	7.93	12.46	17.84	25.49	36.81	65.13	≥28.054
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
Si32-2	87.023	3.71	0.85	1.98	2.83	5.097	9.34	15.0079	22.65			≥22.15
Si32-3	87.023	3.71	0.57	1.42	2.83	5.097	9.34	15.0079	22.65			≥22.15

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	
Pi48-2 (Blow-off)	87.023	7.42	13.031	13.031	13.031	12.82	12.61	11.63	10.66	9.51	9.51	9.51	9.51	9.51	9.027	8.48	7.69	≥
Si32-2	87.023	3.71	10.7	9.85	9.0053	8.0094	6.99	6.31	5.62	4.98	3.81							≥22.15
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
Pi48-3	87.023	7.52	20.13	16.95	13.77	13.35	12.71	12.078	11.23	9.96	9.75	9.75	9.54	9.54	9.11	8.48	7.84	≥
Xi40-2	87.023	4.94	10.81	10.38	9.75	8.48	7.2	7.098	6.99	6.57	5.93	5.085						≥
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						≥

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%.