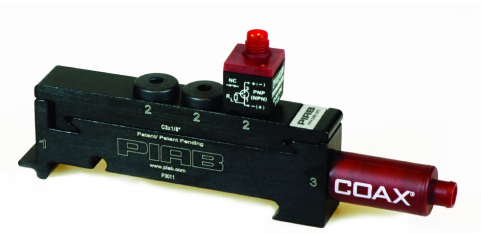


P3010 Vacuum switch, mini, pre-set, threaded

Item number: P3010_Vacuum_switch_mini_pre-set_threaded



- Patented multistage COAX® cartridge - MINI - with Pi, Si, Xi cartridge.
- Electromechanical vacuum switch with digital output.
- Built-in red LED that indicates status.
- Includes a flow-through silencer and a built-in vacuum filter for harsh environments.
- High system reliability in case of fluctuating or low feed pressure.
- Suitable for fast and reliable evacuation in sealed systems.

Technical data

Description	Unit	Value
Material	-	Al. CuZn (Au). Nitrile (NBR). PA. PP. SS. Steel. Thermoplastic Polyurethane (TPE-U)
Temperature, max.	°F	122
Temperature, min.	°F	14
Weight, max.	oz	12.77
Weight, min.	oz	4.056
Display	-	Red LED
Feed pressure, max.	psi	102
Pressure, max.	psi	29
Safety classification	-	IP40
Valve function	-	PNP NO/NC. NPN NO/NC
Noise level, max.	dBA	68
Noise level, min.	dBA	66
Hysteresis	inHg	7 ± 2
Signal range, max.	-inHg	+5/-3
Signal range, min.	-inHg	30. 50 or 70
Response time	ms	4
Supply voltage, max.	VDC	30
Supply voltage, min.	VDC	12
Supply voltage, nominal	VDC	24
Voltage drop, max	VDC	0.055

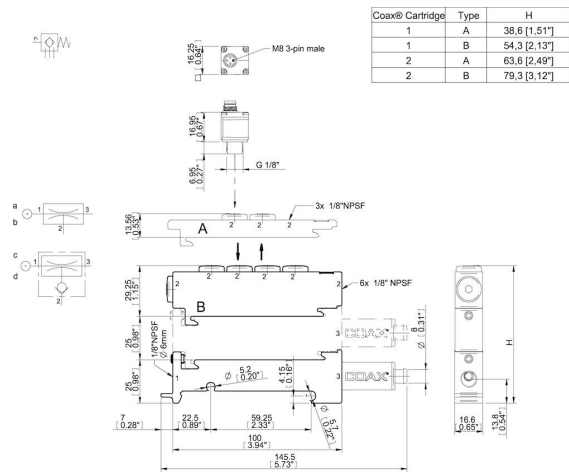
Performance

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	29	32	35	
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	
			0	2	5	8	11	14	17	20	23	26	29	32	35	38	41	-inHg
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	2.12	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



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%.