

P3010 Solenoid Valve

Item number: P3010_Solenoid_Valve



- Patented multistage COAX® cartridge - MINI - with Pi, Si, Xi cartridge.
- DS 23 3/2 valve suitable for compressed air, filtration 40µ
- 2.5 W solenoid
- Manual override
- Includes a flow-through silencer and a built-in vacuum filter for harsh environments.
- Slim, compact, configurable and modular design.
- Low weight.

Technical data

Description	Unit	Value
Material	-	Al. CuZn. Nitrile (NBR). Nickel. PA. POM. PP. SS
Temperature, max.	°F	122
Temperature, min.	°F	14
Weight, max.	oz	30.31
Weight, min.	oz	7.41
Display	-	LED
Feed pressure, max.	psi	87
Feed pressure, min.	psi	29
Flow	scfm	2.75
Power	hp	0.0034
Safety classification	-	IP65
Life span	cycles	100000000
kv	scfm	2.54
Load time rating	%	100
Supply voltage, nominal	VDC	24

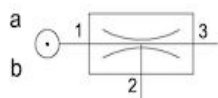
Performance

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

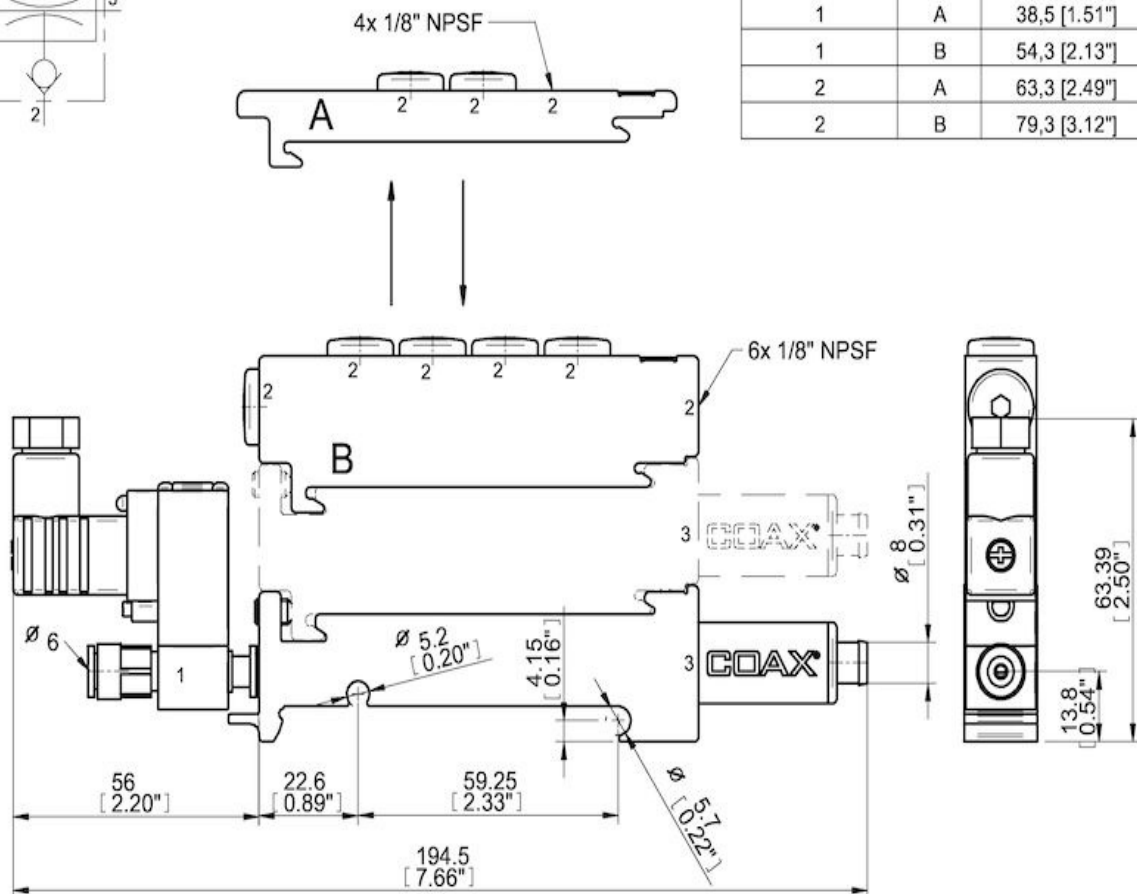
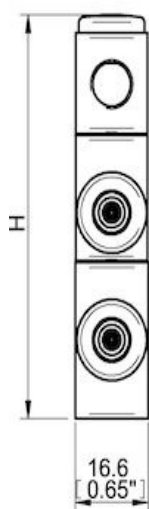
Ejector specification	Feed pressure psi	Air consumption scfm	Evacuation time (s/cf) to reach different vacuum levels (-inHg)												Max vacuum -inHg
			2	5	8	11	14	17	20	23	26	29	32	35	
Pi12-3	46.41	0.93	2.27	6.51	13.88	28.32	48.14	73.62	110.44	178.4					≥26.58
Xi10-3	72.52	0.97	2.55	7.36	14.16	25.49	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 -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	2.12	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	Type	H
1	A	38,5 [1.51"]
1	B	54,3 [2.13"]
2	A	63,3 [2.49"]
2	B	79,3 [3.12"]



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 $\pm 10\%$.