

piINLINE® vacuum generator MICRO Si, 6-6 mm

Item number: 01.22.882



- Patented COAX® cartridge technology.
- High vacuum flow capacity in relation to energy consumption.
- Low weight inline design with push-in fittings.
- Quick and easy installation directly on the hose.
- Si/Ti cartridge at 87 psi for extra vacuum flow.
- Bi cartridge for high performance at low pressure.
- Ti/Xi cartridge at 58/72.5 psi when high flow and deep vacuum is needed.

Technical data

Description	Unit	Value
Material	-	CuZn, Nitrile (NBR), PA, SS, TPE
Temperature, max.	°F	176.0
Temperature, min.	°F	14.0
Weight, min.	oz	0.35
Feed pressure, max.	psi	0.10
Noise level, max.	dBA	73
Noise level, min.	dBA	67
Air consumption	scfm	7.1 l/m (.25 scfm)
Diameter	in	0.59
Diameter	in	0.24
Diameter	in	0.24
Length	in	2.76

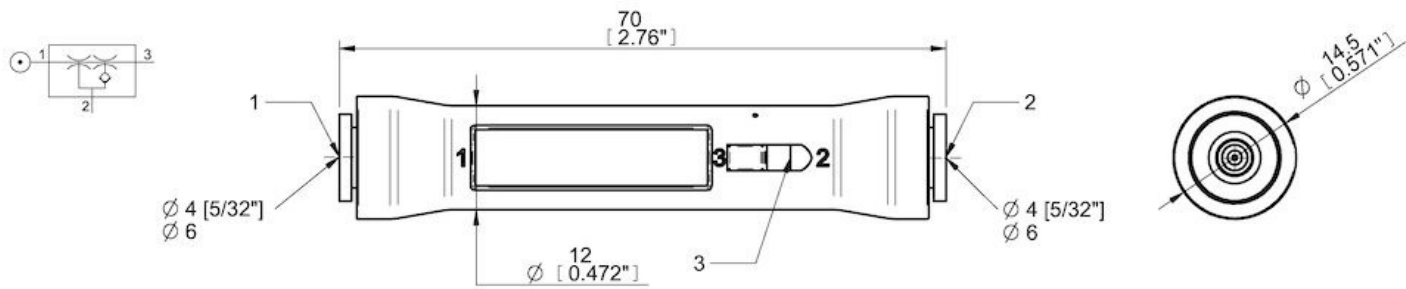
Performance

Feed pressure psi	Air consumption scfm	Vacuum flow (scfm) at different vacuum levels (-inHg)													Max vacuum psi
		0	2	5	8	11	14	17	20	23	26	29	32	35	
87.0	0.25	0.083	0.062	0.035	0.024	0.021	0.018	0.012	0.0059	0	0	0	0	0	≥10.88

Feed pressure psi	Air consumption scfm	Evacuation time (s/cf) to reach different vacuum levels (-inHg)													Max vacuum psi
		2	5	8	11	14	17	20	23	26	28	29	29	29	
87.0	0.25	0.12	0.30	0.59	0.97	1.45	2.038	3.012	0	0	0	0	0	0	≥10.88

Feed pressure psi	Air consumption scfm	Blow flow (scfm) at different pressure levels (-inHg)													Max pressure psi
		0	2	5	8	11	14	17	20	23	26	29	32	35	
87.0	0.25	0.058	0.049	0.032	0.030	0.029	0.026	0.025	0.022	0	0	0	0	0	≥10.88

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

01.23.093 | Snap-in piINLINE® 5x MICRO mounting bracket