

COAX® cartridge MICRO Si02-2

Item number: 01.13.591



- Two-stage COAX® cartridge - MICRO - probably the world's smallest multistage vacuum ejector.
- Large vacuum flow in relation to energy consumption.
- Good for handling porous materials or if surface leakage is present.
- The low weight makes it suitable to integrate close to the suction point in high speed pick-and-place applications of small objects.
- Used in P2010 and VGS™2010.

Technical data

Description	Unit	Value
Material	-	Al, Nitrile (NBR), PA, SS, TPE
Temperature, max.	°F	176.0
Temperature, min.	°F	14.0
Weight, max.	oz	0.081
Weight, min.	oz	0.053
Feed pressure, max.	psi	0.10

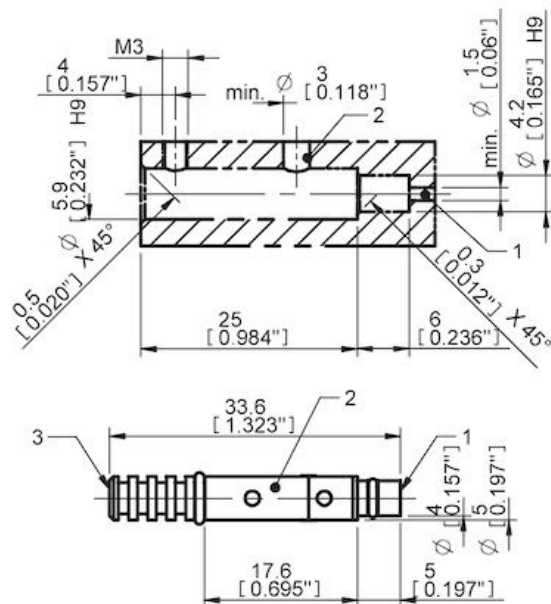
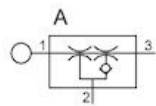
Performance

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	
58.0	0.19	0.074	0.044	0.024	0.021	0.015	0.0089	0	0	0	0	0	0	0	≥8.70
72.5	0.21	0.080	0.056	0.027	0.024	0.021	0.015	0.0059	0	0	0	0	0	0	≥10.15
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	
58.0	0.19	0.15	0.40	0.80	1.30	2.038	0	0	0	0	0	0	0	0	≥8.70
72.5	0.21	0.13	0.34	0.69	1.093	1.57	2.42	0	0	0	0	0	0	0	≥10.15
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	Air consumption	Blow flow (scfm) at different pressure levels (-inHg)															Max pressure
psi	scfm	0	2	5	8	11	14	17	20	23	26	29	32	35	38	41	psi
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	0	0	≥10.88

Dimensional drawings



Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] $\pm$ 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] $\pm$ 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

Tolerance and accuracy:

- Feed pressure tolerance $\pm$ 0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy $\pm$ 10%.