

COAX® cartridge MICRO Ti05-2

Item number: 01.23.098



- Two-stage COAX® cartridge - MICRO - probably the world's smallest multistage vacuum ejector.
- Larger flow and evacuation capacity vs. the other MICRO cartridges.
- The low weight makes it suitable to integrate close to the suction point in high speed pick-and-place applications of small objects.
- Dirt tolerant cartridge design .
- Suitable for leaking objects at 0.6MPa feed pressure and sealed objects at 0.4 MPa feed pressure.

Technical data

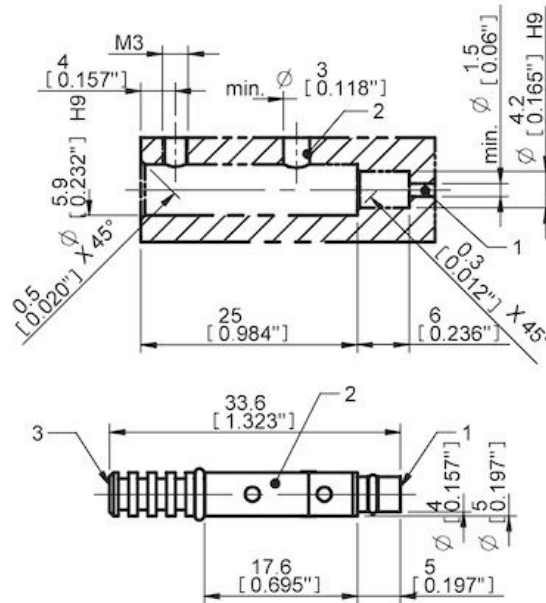
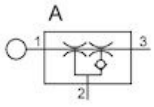
Description	Unit	Value
Material	-	Al, Nitrile (NBR), PA, SS, TPE
Temperature, max.	°F	176.0
Temperature, min.	°F	14.0
Weight, max.	oz	0.081
Weight, min.	oz	0.053
Feed pressure, max.	psi	0.10

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	
65.25	0.61	0.10	0.092	0.074	0.053	0.032	0.024	0.018	0.0089	0	0.0021	0	0	0	≥12.18
87.0	0.78	0.10	0.089	0.077	0.062	0.047	0.030	0.014	0.0068	0	0	0	0	0	≥11.46

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	
65.25	0.61	0.089	0.19	0.33	0.53	0.84	1.28	1.93	3.40	0	0	0	0	0	≥12.18
87.0	0.78	0.092	0.20	0.32	0.48	0.71	1.093	1.93	0	0	0	0	0	0	≥11.46

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%.