

COAX® cartridge MICRO Ti05-2, holding cap

Article number: 0125794



- 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 0.6 MPa feed pressure and sealed objects at 0.4 MPa feed pressure.

Technical data

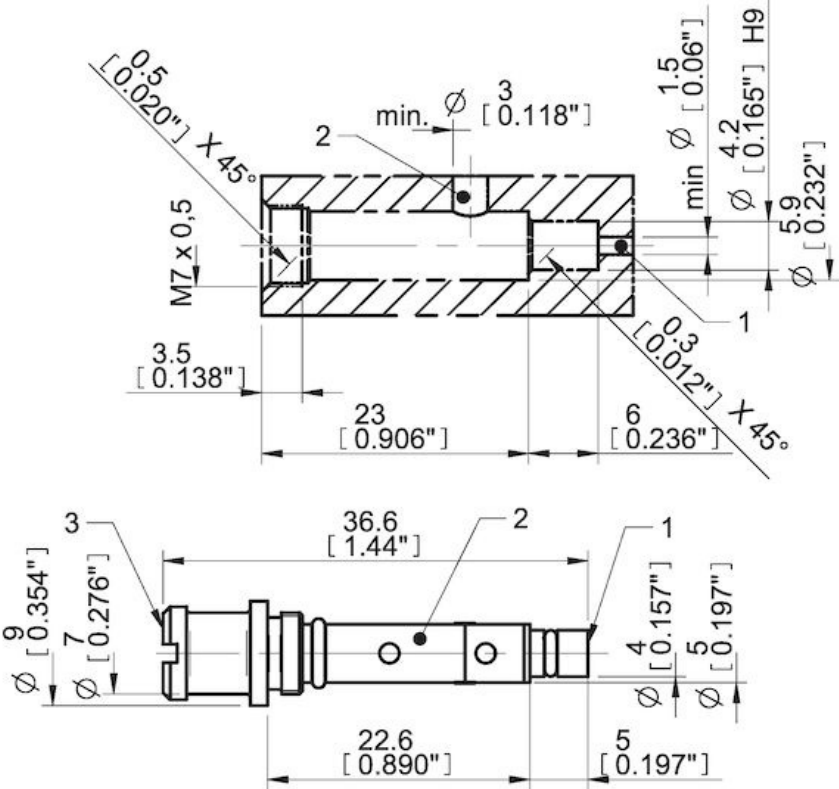
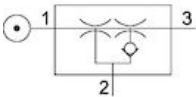
Description	Unit	Value
Material	-	Al, Nitrile (NBR), PA, SS, TPE
Temperature, max.	°C	80
Temperature, min.	°C	-10
Weight, max.	g	2.3
Weight, min.	g	1.5
Feed pressure, max.	MPa	0.7

Performance

Feed pressure	Air consumption	Vacuum flow (Nl/s) at different vacuum levels (-kPa)														Max vacuum
MPa	Nl/s	0	10	20	30	40	50	60	70	75	80	90	95	99	kPa	
0.45	0.29	0.35	0.31	0.25	0.18	0.11	0.08	0.06	0.03	0	0.007	0	0	0	≥84	
0.6	0.37	0.34	0.3	0.26	0.21	0.16	0.1	0.048	0.023	0	0	0	0	0	≥79	

Feed pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels (-kPa)													Max vacuum
MPa	Nl/s	10	20	30	40	50	60	70	80	90	95	99	99.5	100.3	kPa
0.45	0.29	0.3	0.66	1.12	1.8	2.85	4.35	6.55	11.5	0	0	0	0	0	≥84
0.6	0.37	0.31	0.67	1.089	1.63	2.39	3.7	6.54	0	0	0	0	0	0	≥79

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%.