Datasheet

COAX® cartridge MICRO Xi2.5-2, holding cap

Item number: 01.20.283

- Two-stage COAX® cartridge - MICRO - probably the world's smallest multistage vacuum ejector.
- High vacuum flow at deep vacuum levels, to 27.2 - inHg.
- Large vacuum flow in relation to energy consumption.
- Quick response time when deep vacuum is needed.
- Good for handling sealed materials.
- 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

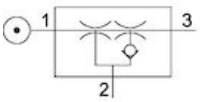
Performance

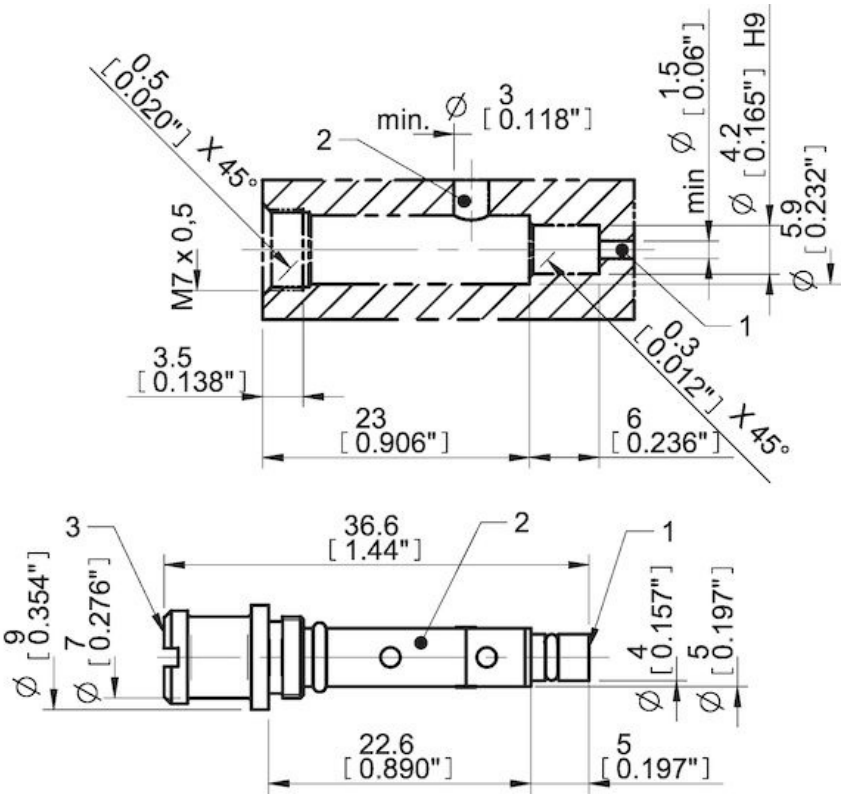
Feed pressure	Air consumption	Vacuum flow (scfm) at different vacuum levels (-inHg)													Max vacuum
psi	scfm	0	2	5	8	11	14	17	20	23	26	29	32	35	psi
65.25	0.25	0.068	0.044	0.022	0.016	0.013	0.010	0.0062	0.0027	0	0.00089	0	0	0	≥12.90
72.5	0.28	0.069	0.044	0.023	0.013	0.011	0.0089	0.0068	0.0038	0	0.0021	0	0	0	≥13.20
87.0	0.32	0.078	0.056	0.035	0.013	0.010	0.0086	0.0053	0.0030	0	0.00089	0	0	0	≥13.050

Feed pressure	Air consumption	Evacuation time (s/cf) to reach different vacuum levels (-inHg)												Max vacuum
psi	scfm	2	5	8	11	14	17	20	23	26	28	29	29	psi
65.25	0.25	0.16	0.43	0.88	1.47	2.23	3.30	5.26	10.13	0	0	0	0	≥12.90
72.5	0.28	0.15	0.41	0.89	1.63	2.53	3.64	5.25	8.11	0	0	0	0	≥13.20
87.0	0.32	0.13	0.32	0.68	1.42	2.34	3.59	5.65	10.11	0	0	0	0	≥13.050

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	psi
87.0	0.32	0.054	0.048	0.038	0.030	0.030	0.029	0.028	0.025	0.022	0	0	0	0	0	≥13.050

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%.