

Datasheet

VGS4005, SX12 Ø 6 mm

Item number: 02.31.207



- Light weight vacuum gripper ejector with plastic housing
- VGS4005 with SX12 or SX42 cartridge without flap valves, a COAX® chosen for very harsh environments, combining high dust and high humidity levels
- Optimal in applications when less vacuum depth is needed, such as bag/pouch handling etc
- Reduced noise level with Integrated silencer
- VGS4005 is compatible with any suction cup with G3/8" male fitting from Piab's assortment.

Technical data

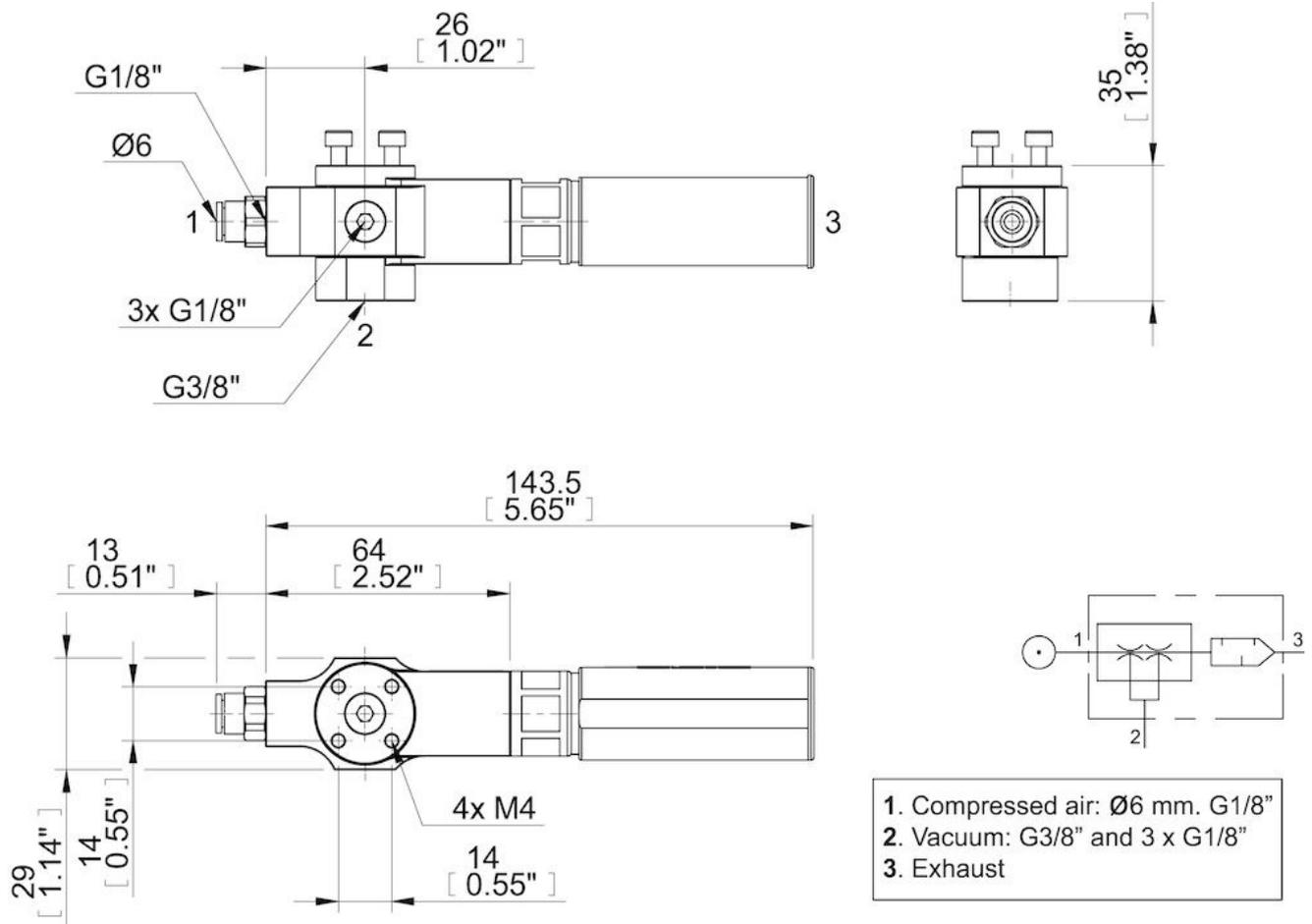
Description	Unit	Value
Material	-	CuZn, Nitrile (NBR), PA, POM, PPM, Polyurethane (PU), SS
Load, vertical, max.	lbf	15.74
Temperature, max.	°F	176.0
Temperature, min.	°F	14.0
Weight, min.	oz	2.33
Feed pressure, max.	psi	0.10
Noise level, max.	dBA	75
Noise level, min.	dBA	63

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		
72.5	1.53	0.36	0.30	0.23	0.15	0.080	0	0	0	0	0	0	0	0	0	≥6.82
87.0	1.78	0.40	0.34	0.28	0.21	0.13	0.050	0	0	0	0	0	0	0	0	≥7.98

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		
72.5	1.53	0.026	0.059	0.10	0.18	0	0	0	0	0	0	0	0	0	0	≥6.82
87.0	1.78	0.024	0.052	0.087	0.14	0.23	0	0	0	0	0	0	0	0	0	≥7.98

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%.