

Datasheet

VGS4005, SX42 Ø 1/4"

Item number: 02.31.210



- 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

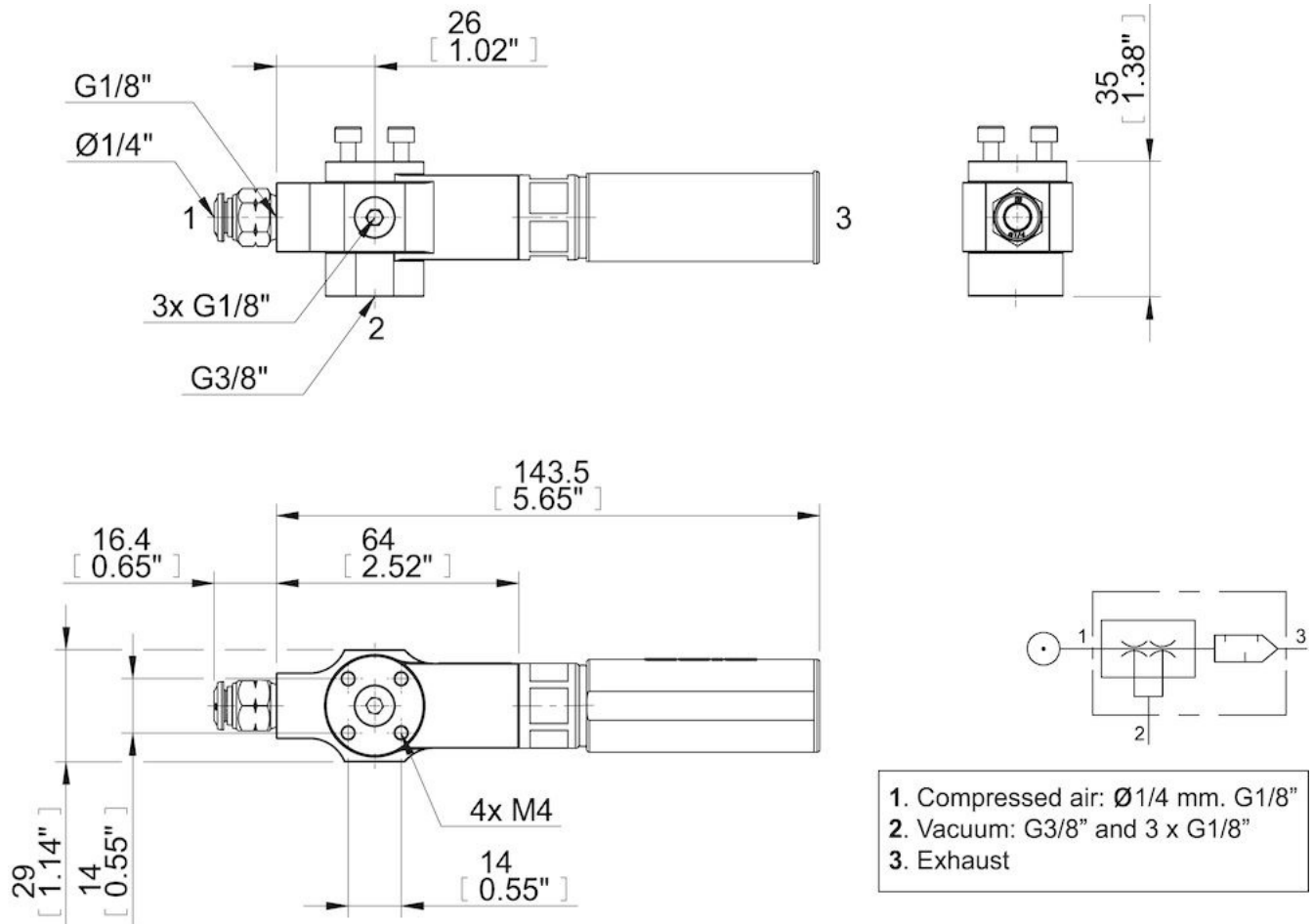
Description	Unit	Value
Material	-	Al, CuZn, Nitrile (NBR), PA, POM, PPM, Polyurethane (PU), SS
Load, vertical, max.	lbf	15.74
Temperature, max.	°F	176.0
Temperature, min.	°F	14.0
Weight, min.	oz	2.50
Feed pressure, max.	psi	0.10
Noise level, max.	dBA	85
Noise level, min.	dBA	74

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			
62.35	4.68	1.022	0.89	0.71	0.50	0.30	0.071	0	0	0	0	0	0	0	0	0	≥7.68
72.5	5.30	1.022	0.89	0.72	0.51	0.33	0.16	0	0	0	0	0	0	0	0	0	≥8.56
87.0	6.19	1.0040	0.88	0.74	0.58	0.41	0.24	0.080	0	0	0	0	0	0	0	0	≥9.28

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				
62.35	4.68	0.0092	0.020	0.034	0.056	0.10	0	0	0	0	0	0	0	0	0	0	≥7.68
72.5	5.30	0.0092	0.020	0.034	0.055	0.090	0	0	0	0	0	0	0	0	0	0	≥8.56
87.0	6.19	0.0092	0.020	0.033	0.051	0.077	0.13	0	0	0	0	0	0	0	0	0	≥9.28

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%.