

VGS™2010 FC20P

Item number: VGS™2010_FC20P



- Patented COAX® technology
- Suitable for lifting small objects and narrow parts as well as slightly domed surfaces.
- Thanks to good friction of the rubber material the cups can withstand high shear forces at rapid accelerations.
- The suction cups have cleats that prevent thin objects from being disfigured.
- Available with a two-stage COAX® cartridge MICRO. Configurable to your specific needs. Choose Bi for low feed pressure, Si for high vacuum flow, Xi for extra vacuum and Ti at 58/87 psi for extra capacity/dirt tolerance.

Technical data

Description	Unit	Value
Material	-	Al. Nitrile (NBR). PA. Polyurethane (PU). SS. TPE
Temperature, max.	°F	122
Temperature, min.	°F	50
Weight, max.	oz	1.2
Weight, min.	oz	0.81
Feed pressure, max.	psi	102
Noise level, max.	dBA	61
Noise level, min.	dBA	55
Suction cup model	-	FC20P
Movement, vertical max.	in	0.11
Curve radius, min.	in	0.98

Performance - Lifting forces

FC20P	Vertical (lb)	Parallel (lb)
5.91 -inHg	1.012	1.012
17.72 -inHg	2.7	2.023
26.58 -inHg	3.6	2.7

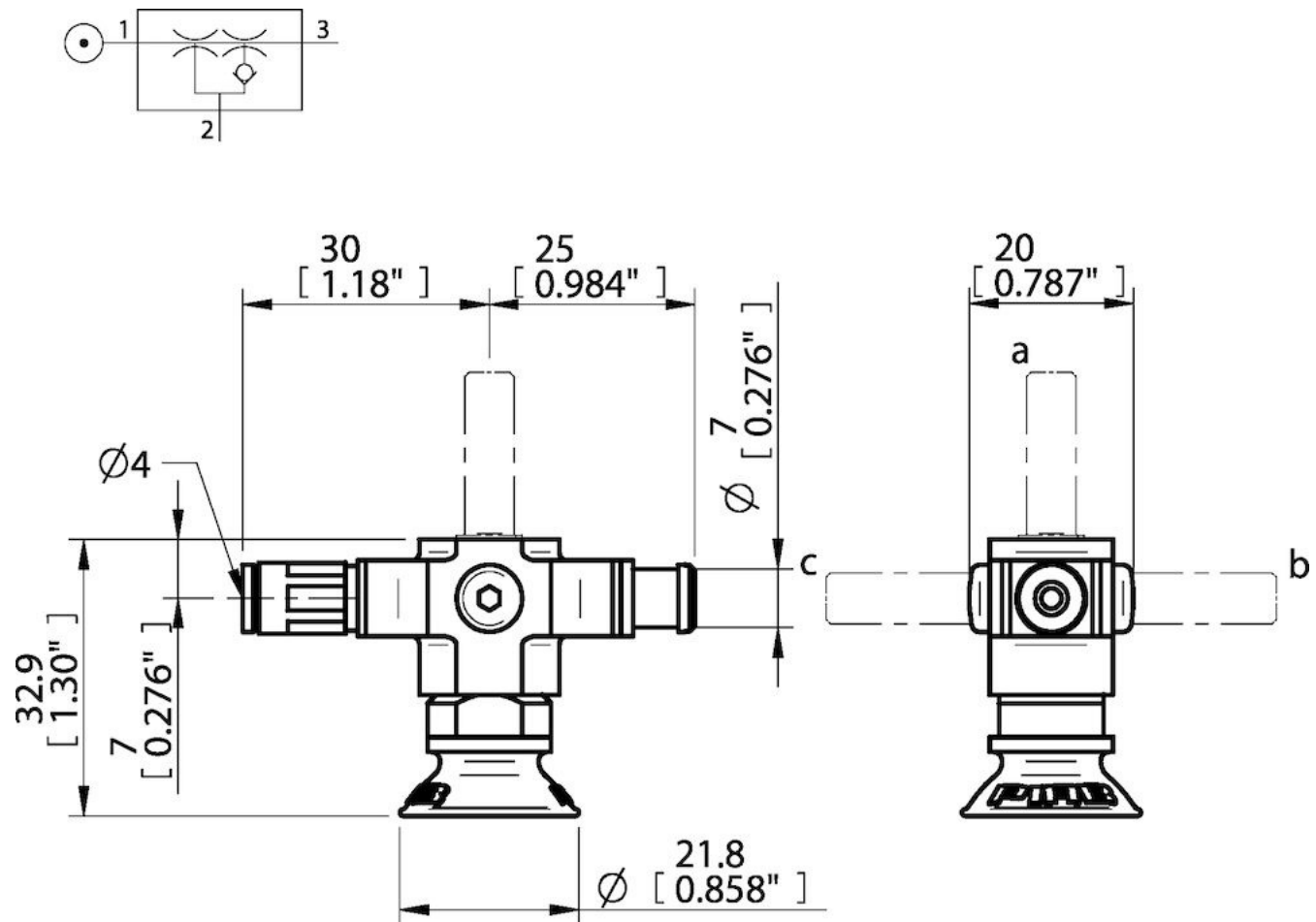
Performance

Ejector specification	Feed pressure psi	Air consumption scfm	Vacuum flow (scfm) at different vacuum levels (-inHg)									Max vacuum -inHg
			0	2	5	8	11	14	17	20	26	
Bi03-2	26.11	0.3	0.49	0.32	0.13	0.085	0.074	0.049	0.028	0.013		≥24.51
Si02-2	87.023	0.25	0.59	0.44	0.25	0.17	0.15	0.13	0.085	0.042		≥22.15
Ti05-2	65.27	0.61	0.74	0.66	0.53	0.38	0.23	0.17	0.13	0.064	0.015	≥24.81
Xi2.5-2	72.52	0.28	0.49	0.32	0.17	0.093	0.076	0.064	0.049	0.028	0.015	≥26.87
Ti05-2	87.023	0.78	0.72	0.64	0.55	0.44	0.34	0.21	0.1	0.049		≥23.33

Ejector specification	Feed pressure psi	Air consumption scfm	Evacuation time (s/cf) to reach different vacuum levels (-inHg)								Max vacuum -inHg
			2	5	8	11	14	17	20	23	
Bi03-2	26.11	0.3	14.16	39.64	110.44	181.23	283.17	453.069	792.87	1444.16	≥24.51
Si02-2	87.023	0.25	11.61	28.6	56.92	93.45	138.75	195.39	288.83		≥22.15
Ti05-2	65.27	0.61	8.5	18.69	31.71	50.97	80.7	123.18	185.48	325.64	≥24.81
Xi2.5-2	72.52	0.28	14.72	39.36	85.23	156.026	242.39	348.86	503.19	778.15	≥26.87
Ti05-2	87.023	0.78	8.78	18.97	30.84	46.16	67.68	104.77	185.19		≥23.33

Ejector specification	Feed pressure psi	Air consumption scfm	Blow flow (scfm) at different pressure levels (-inHg)								Max pressure -inHg
			0	2	5	8	11	14	17	20	
Si02-2	87.023	0.25	0.85	0.72	0.47	0.44	0.42	0.38	0.36	0.32	≥22.15

Dimensional drawings



Values specified in this data sheet 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]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

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Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.