piab Evolving automation

Item no: VGS™2010_OF15x45P

VGS™2010 OF15x45P

Piab VGS™ – A product design where different suction cups are integrated with vacuum cartridges based on the patented COAX® technology. The “vacuum gripper” makes selection, sizing and installation of a vacuum system easier. With a VGS™ you will enjoy the benefits of a more cost-efficient and reliable... decentralized vacuum system.

- Patented COAX® technology.
- Suitable for small, oblong objects with flat surfaces.
- Fair stability and little inherent movement.
- Thanks to good friction of the rubber material the cups can withstand high shear forces at rapid acceleration.
- 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 0.4/0.6 MPa for extra capacity/dirt tolerance.

General

Material	TPE, PU, PA, SS, AL, NBR
Noise level	55 - 61 dBA
Temperature	10 - 50 °C
Weight	24 - 35 g
Suction cup model	OF15x45P
Movement, vertical max.	1 mm
Curve radius, min.	30 mm

Performance

Feed pressure, max.	0.7 MPa

Performance - lifting forces

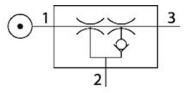
OF15x45P	↑	→
20 -kPa	9 N	6 N
60 -kPa	27 N	20 N
90 -kPa	41 N	34 N

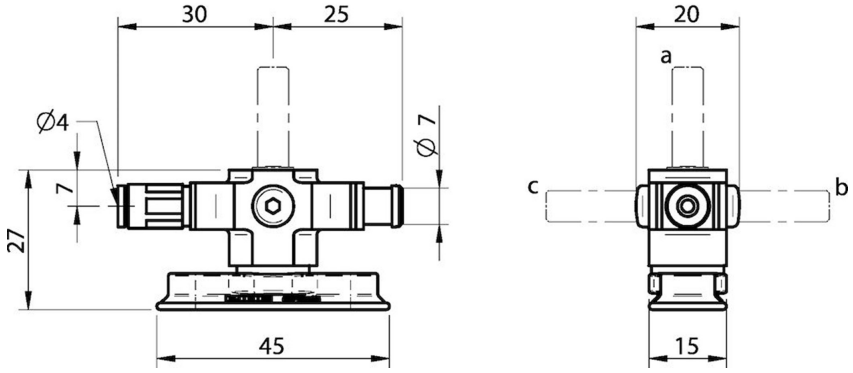
Feed pressure	Air consumption	Vacuum flow (Nl/s) at different vacuum levels (-kPa)									Max vacuum
MPa	Nl/s	0	10	20	30	40	50	60	70	80	-kPa
MICRO Bi03-2 0,18 - 0.18	0.14	0.23	0.15	0.06	0.04	0.035	0.023	0.013	0.006	0	83
MICRO Si02-2 0,6 - 0.6	0.12	0.28	0.21	0.12	0.08	0.07	0.06	0.04	0.02	0	75
MICRO Xi2.5-2 0,50 - 0.5	0.13	0.233	0.15	0.079	0.044	0.036	0.03	0.023	0.013	0.007	91
MICRO Ti05-2 0,4 - 0.45	0.29	0.35	0.31	0.25	0.18	0.11	0.08	0.06	0.03	0.007	84
MICRO Ti05-2 0,6 - 0.6	0.37	0.34	0.3	0.26	0.21	0.16	0.1	0.048	0.023	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	-kPa
MICRO Bi03-2 0,18 - 0.18	0.14	0.5	1.4	3.9	6.4	10	16	28	51	0	83
MICRO Si02-2 0,6 - 0.6	0.12	0.41	1.01	2.01	3.3	4.9	6.9	10.2	0	0	75
MICRO Xi2.5-2 0,50 - 0.5	0.13	0.52	1.39	3.01	5.51	8.56	12.32	17.77	27.48	0	91
MICRO Ti05-2 0,4 - 0.45	0.29	0.3	0.66	1.12	1.8	2.85	4.35	6.55	11.5	0	84
MICRO Ti05-2 0,6 - 0.6	0.37	0.31	0.67	1.089	1.63	2.39	3.7	6.54	0	0	79

Feed pressure	Air consumption	Blow flow (Nl/s) at different pressure levels (-kPa)									Max vacuum
MPa	Nl/s	10	20	30	40	50	60	70	80	90	-kPa
MICRO Si02-2 0,6 - 0.6	0.12	0.4	0.34	0.22	0.21	0.2	0.18	0.17	0.15	0	75

Dimensional drawings





Values specified in the data sheet are tested at:

- Room temperature: (20⁰ C [68⁰ F] ± 3⁰ C [5.5⁰ F])
- Standard atmosphere: (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg])
- Relative humidity: 0-100%
- Compressed air quality: DIN ISO 8573-1 class 4
