

VGS™5010 BF110P

Item number: VGS™5010_BF110P



- Patented COAX® technology.
- The suction cups are specially designed for handling larger parts, such as car body sheets.
- The soft, flexible lip makes the cup suitable for curved or uneven surfaces and the dual hardness version, PU30/60, is also recommended for rough or rugged surfaces to prevent micro-leakage, which can occur on plastic or composite work pieces.
- Available with a two or three-stage COAX® cartridge MIDI. Choose an Si cartridge for extra vacuum flow, a Pi cartridge for high performance at low feed pressure or an Xi cartridge when high flow and deep vacuum is needed.
- The three-stage cartridge will give extra high initial vacuum flow, suitable in high speed applications.
- Easy installation and flexible positioning with several mounting options.

Technical data

Description	Unit	Value
Material	-	Al. Nitrile (NBR). PA. PP. Polyurethane (PU). SS
Temperature, max.	°F	122
Temperature, min.	°F	50
Weight, max.	oz	34.25
Weight, min.	oz	13.16
Feed pressure, max.	psi	102
Noise level, max.	dBA	83
Noise level, min.	dBA	73
Suction cup model	-	BF110P PU30 PU60
Movement, vertical max.	in	1.079
Curve radius, min.	in	2.17
Suction cup model	-	BF110P PU60
Movement, vertical max.	in	1.079
Curve radius, min.	in	2.76

Performance - Lifting forces

BF110P PU30 PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	28.78	23.83
17.72 -inHg	51.48	47.21
26.58 -inHg	50.58	55.3
BF110P PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	36.19	27.65
17.72 -inHg	75.087	51.93
26.58 -inHg	65.87	68.57

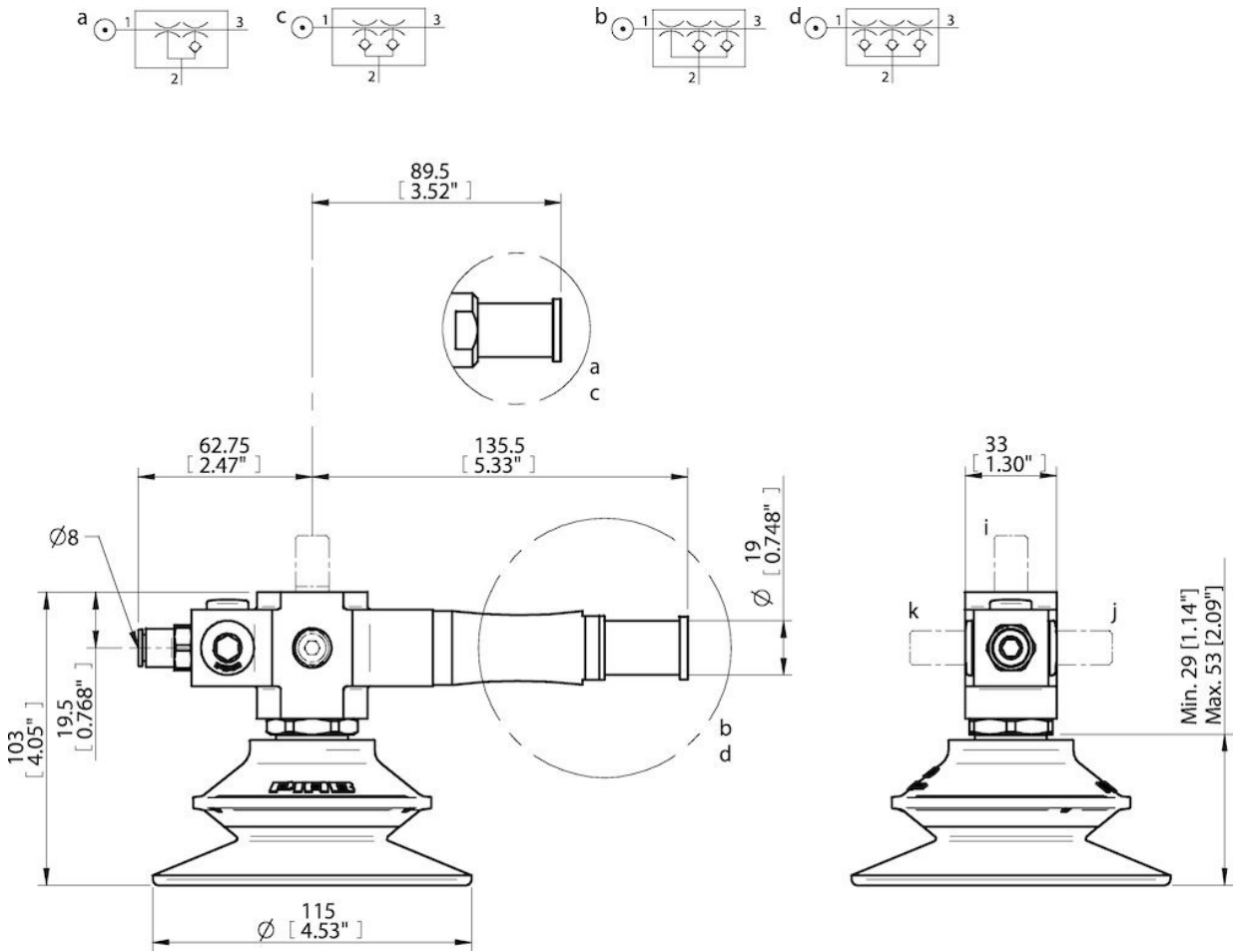
Performance

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	29		
Pi48-2	43.51	4.24	5.93	5.3	3.81	2.33	1.38	1.059	0.74	0.53	0.21		≥26.58	
Pi48-3	44.96	4.34	11.87	5.3	3.81	2.33	1.38	1.059	0.74	0.53	0.21		≥26.58	
Si32-2	87.023	3.71	6.99	6.36	5.51	3.6	1.91	1.27	1.059	0.74			≥22.15	
Si32-3	87.023	3.71	12.71	7.42	5.51	3.6	1.91	1.27	1.059	0.74			≥22.15	
Xi40-2	65.27	3.88	5.93	4.87	3.39	2.12	1.55	1.23	0.91	0.68	0.38	0.064	≥28.054	
Xi40-3	65.27	3.88	12.5	6.36	4.24	2.75	1.55	1.23	0.91	0.68	0.38	0.064	≥28.054	

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	26	
Pi48-2	43.51	4.24	1.076	2.38	4.33	7.56	12.49	19.17	28.6	44.77		≥26.58
Pi48-3	44.96	4.34	0.57	1.7	3.4	7.079	12.74	19.82	28.32	45.31	113.27	≥26.58
Si32-2	87.023	3.71	0.85	1.98	2.83	5.097	9.34	15.0079	22.65			≥22.15
Si32-3	87.023	3.71	0.57	1.42	2.83	5.097	9.34	15.0079	22.65			≥22.15
Xi40-2	65.27	3.88	1.13	2.55	4.81	7.93	12.46	17.84	25.49	36.81	65.13	≥28.054
Xi40-3	65.27	3.88	0.62	1.76	3.4	6.23	10.48	16.14	23.79	33.98	62.3	≥28.054

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	23	
Si32-2	87.023	3.71	10.7	10.23	9.0053	7.65	6.99	6.12	5.62	4.98	4.17	≥22.15
Si32-3	87.023	3.71	16.53	11.44	9.75	8.052	6.99	6.57	5.72	4.87	3.81	≥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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- 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%.