

Suction cup F-BX50 Silicone 1/4" NPT

Item number: 02.42.570



Technical data

Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Food contact materials (FDA & EU), detectable
Suction cup design	-	Round
Characteristics	-	Food contact materials (FDA & EU), detectable
Material	-	Silicone (SIL)
Weight, min.	oz	2.27
Suction cup model	-	F-BX
Volume	in³	2.47
Height (A)	in	2.76
Height 2 (E)	in	0.59
Thread (D)	in	1/4" NPT
Inner diameter (G)	in	1.12
Outer diameter, min. (B)	in	2.0079
Outer diameter, actuated	in	2.087
Fitting size	-	1/4"
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	NPT-thread
Width 2 (C)	in	2.13
Width 3 (H)	in	0.83
Fitting material	-	SS
Suction cup model	-	F-BX50
Movement, vertical max.	in	1.079
Curve radius, min.	in	0.79

Performance - Lifting forces

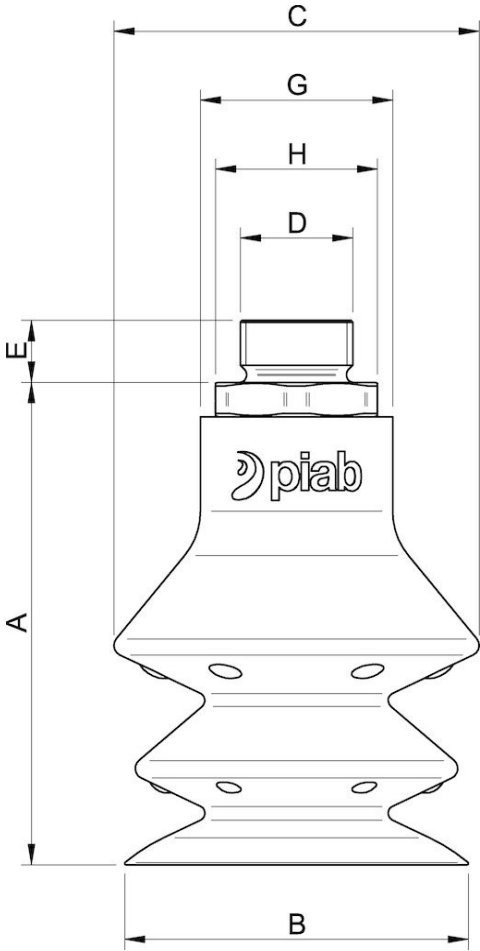
F-BX50	Vertical (lb)	Parallel (lb)
2.95 -inHg	3.42	2.36
5.91 -inHg	5.17	3.80
11.81 -inHg	7.28	4.81

Material	
Name	Silicone (SIL detectable FCM)
Color	Blue
Temperature, min. °F	-40.0
Temperature max. °F	392.0
Hardness °Shore A	40

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Gasoline	Poor
Wear resistance	Good
Weather and ozone	Excellent

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.

Accessories

- 02.07.147 | Fitting G1/4" Male, SS, F-BX25-50 P-D36
- 02.07.148 | Fitting 1/4"NPT Male, SS, F-BX25-50 P-D36
- 02.07.149 | Fitting G3/8" Male, SS, F-BX25-50 P-D36
- 02.07.150 | Fitting 3/8"NPT Male, SS, F-BX25-50 P-D36
- 02.07.151 | Fitting G1/4" Male, composite, F-BX25-50 P-D36
- 02.07.152 | Fitting 1/4"NPT Male, composite, F-BX25-50 P-D36
- 02.07.153 | Fitting G3/8" Male, composite, F-BX25-50 P-D36
- 02.07.154 | Fitting 3/8"NPT Male, composite, F-BX25-50 P-D36