

# Suction cup F-BX50 Silicone G1/4" male

Item number: 02.42.585



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              | 1.40                                          |
| Suction cup model        | -               | F-BX                                          |
| Volume                   | in <sup>3</sup> | 2.47                                          |
| Height (A)               | in              | 2.76                                          |
| Height 2 (E)             | in              | 0.31                                          |
| Thread (D)               | in              | G1/4" Comp                                    |
| 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             | -               | G-thread                                      |
| Width 2 (C)              | in              | 2.13                                          |
| Width 3 (H)              | in              | 0.79                                          |
| Fitting material         | -               | Composite                                     |
| Suction cup model        | -               | F-BX50                                        |
| Movement, vertical max.  | in              | 1.079                                         |
| Curve radius, min.       | in              | 0.79                                          |

Performance - Lifting forces

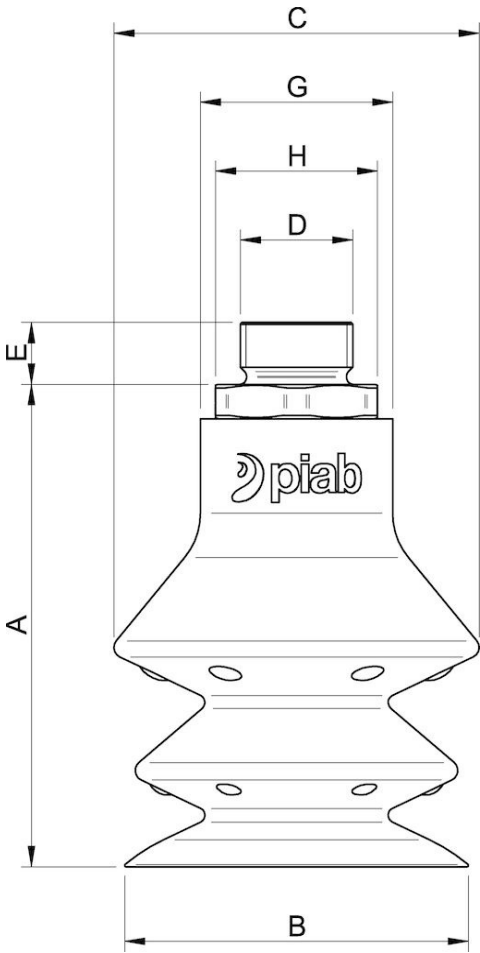
| F-BX50      | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 2.95 -inHg  | 3.42          | 2.36          |
| 5.91 -inHg  | 5.17          | 3.80          |
| 11.81 -inHg | 7.28          | 4.81          |

|                        |                               |
|------------------------|-------------------------------|
| <b>Material</b>        |                               |
| 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