

# Suction cup F-BX25 Silicone G3/8" male composite, detectable, FCM

Item number: FBX25.DS40.G38MDC.00



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)                                |
| Load, torque, max.       | lb ft           | 9.59                                          |
| Weight, min.             | oz              | 0.31                                          |
| Suction cup model        | -               | F-BX                                          |
| Volume                   | in <sup>3</sup> | 0.31                                          |
| Height                   | in              | 1.65                                          |
| Outer diameter, min.     | in              | 1.024                                         |
| Outer diameter, actuated | in              | 1.024                                         |
| Fitting size             | -               | 3/8"                                          |
| Fitting option           | -               | None                                          |
| Fitting style            | -               | Male                                          |
| Fitting type             | -               | G-thread                                      |
| Tightening torque, max.  | lb ft           | 9.59                                          |
| Fitting material         | -               | Composite                                     |
| Suction cup model        | -               | F-BX25                                        |
| Movement, vertical max.  | in              | 0.61                                          |
| Curve radius, min.       | in              | 0.35                                          |

Performance - Lifting forces

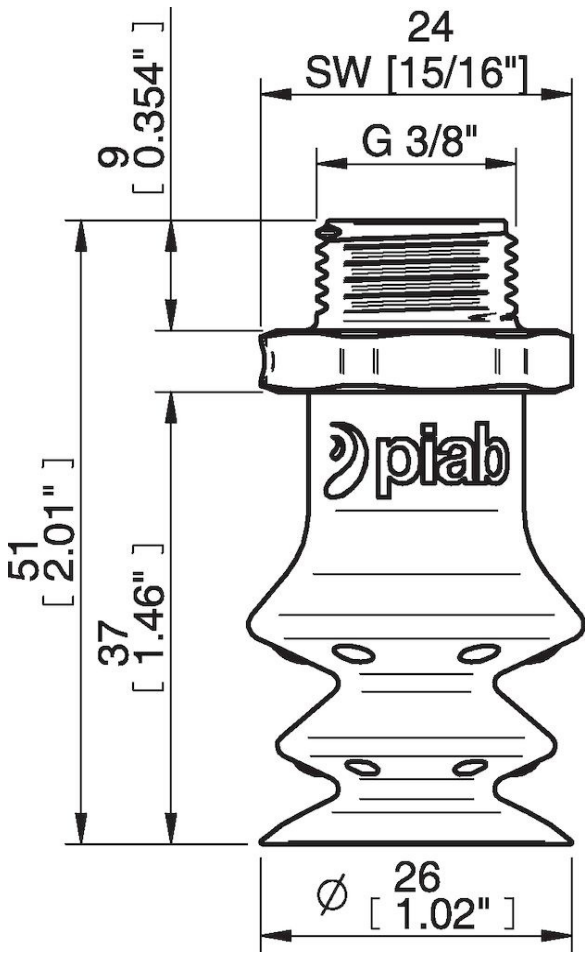
| F-BX25      | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 2.95 -inHg  | 0.88          | 0.65          |
| 5.91 -inHg  | 1.55          | 1.034         |
| 11.81 -inHg | 1.80          | 1.64          |

| 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

### Spare parts

- FBX25.DS40 | Suction cup F-BX25 Silicone detectable, FCM
- 02.07.153 | Fitting G3/8" Male, composite, F-BX25-50 P-D36