

# Piab Bellows suction cup

S.B8SF50.XXX.00



- ▶ The lifting movement can be used to separate small and thin objects.
- ▶ Only lightweight objects should be handled when the lifting force is parallel to the surface of the object, in order to achieve good precision and safe lifting movement.
- ▶ Suitable for level adjustment.
- ▶ The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.

## Lifting force

| Description    | 20 -kPa | Vertical<br>60 -kPa | 90 -kPa |
|----------------|---------|---------------------|---------|
| Lifting forces | 0.8 N   | 1.6 N               | 2.5 N   |

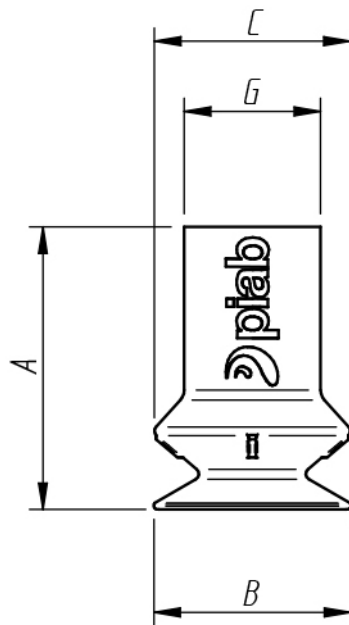
## Technical data

| Description                  | Unit            | Value  |
|------------------------------|-----------------|--|
| Internal volume              | cm <sup>3</sup> | 0.15   |
| Weight                       | g               | 0  |
| Min. curve radius -60 kPa    | mm              | 1.9  |
| Max. vertical movement       | mm              | 3.5  |
| Application                  | -               | Food contact materials (FDA & EU), non-detectable, |
| Material                     | -               | Silicone (SIL FDA)                                 |
| Colour                       | -               | Transparent  |
| Suction cup model            | -               | B  |
| Suction cup shape            | -               | Bellows  |
| Hardness °Shore A            | -               | 50 °Shore A  |
| Temperature range (°C)       | °C              | -40 – 200  |
| Actuated outer diameter, max | mm              | 10.1   |

## Material resistance , Silicone FDA, SIL FDA

| Description        | Value     |
|--------------------|-----------|
| Alcohol            | Good      |
| Concentrated Acids | Poor      |
| Ethanol            | N/A       |
| Hydrolysis         | Fair      |
| Methanol           | N/A       |
| Oil                | Poor      |
| Oxidation          | Excellent |
| Petrol             | Poor      |
| Wear Resistance    | Good      |
| Weather & Ozone    | Excellent |

## Dimensional drawing



| Product code | Description               | Unit      | Value        |
|--------------|---------------------------|-----------|--------------|
| A            | Building height           | mm [inch] | 11.9 [0.47"] |
| B            | Diameter lip              | mm [inch] | 8.8 [0.35"]  |
| C            | Diameter (bellows)        | mm [inch] | 9.6 [0.38"]  |
| G            | Diameter (upper part cup) | mm [inch] | 5.5 [0.22"]  |

## Ordering information

| Description   | Product code    |
|---|-----------------|
| <b>Bellows suction cup</b> , Ø 8m, Silicone FDA, SIL FDA, 50 °Shore A, None, None, None, None | S.B8SF50.XXX.00 |

## Ordering information, spare parts

| Description                 | Art. No. |
|-----------------------------|----------|
| Suction cup B8 Silicone FCM | 0200278  |

## Ordering information, accessories

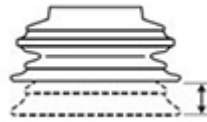
| Description                        | Art. No.  |
|------------------------------------|-----------|
| Fitting M5 male, 5-8               | 3107031   |
| Suction cup B8 Chloroprene         | 3150287   |
| Suction cup B8 Silicone            | 3150287S  |
| Suction cup B8 Conductive silicone | 3150287SC |
| Suction cup B8 HNBR                | 0200894   |

## Values specified in data sheet are tested at:

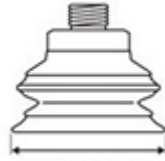
- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.



Internal volume



Max. vertical movement



Diameter lip



Min. curve radius -60 kPa

Storage guidelines (scan QR code)

