

# Suction cup BL50-2 Silicone, G1/4" male, with mesh filter

Item number: BL50-2.20.05AB



- Suitable for level adjustment.
- Lifting movement to separate small and thin objects.
- Less suitable when the lifting force is parallel to the surface of the object.
- Optional reinforcement rings made of polyamide.

Technical data

| Description             | Unit | Value                     |
|-------------------------|------|---------------------------|
| Suction cup shape       | -    | Multibellows              |
| Application             | -    | Bag handling              |
| Suction cup design      | -    | Round                     |
| Characteristics         | -    | Bag handling              |
| Material                | -    | Silicone (SIL)            |
| Weight, min.            | oz   | 0.71                      |
| Suction cup model       | -    | BL-2                      |
| Volume                  | in³  | 3.23                      |
| Height                  | in   | 2.68                      |
| Outer diameter, min.    | in   | 1.97                      |
| Fitting size            | -    | 1/4"                      |
| Fitting option          | -    | Filter mesh               |
| Fitting style           | -    | Male                      |
| Fitting type            | -    | G-thread                  |
| Suction cup model       | -    | BL50-2 reinforcement ring |
| Movement, vertical max. | in   | 1.18                      |
| Suction cup model       | -    | BL50-2                    |
| Movement, vertical max. | in   | 1.18                      |
| Curve radius, min.      | in   | 0.51                      |

Performance - Lifting forces

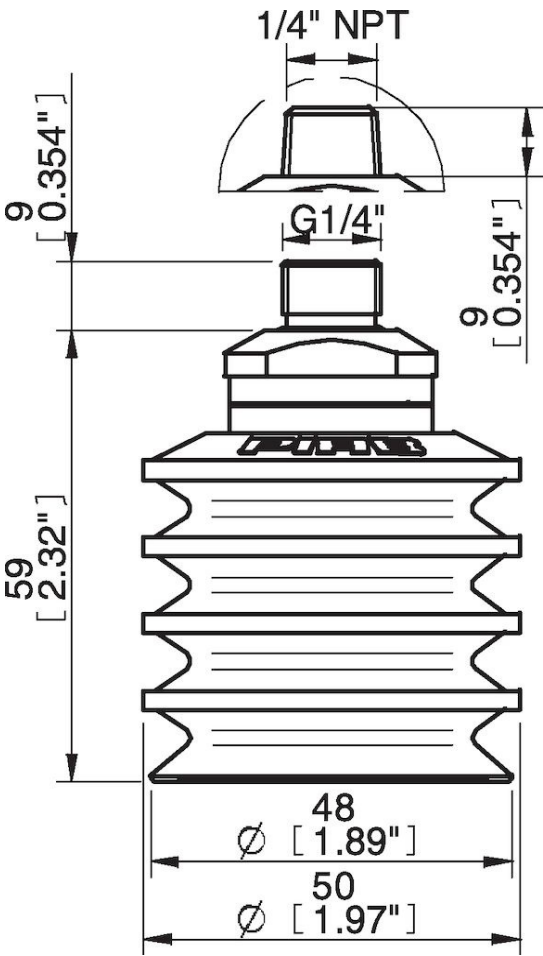
|                           | Vertical (lb) | Parallel (lb) |
|---------------------------|---------------|---------------|
| BL50-2 reinforcement ring |               |               |
| 5.91 -inHg                | 3.82          |               |
| 17.72 -inHg               | 9.67          |               |
| BL50-2                    |               |               |
| 5.91 -inHg                | 4.72          |               |
| 17.72 -inHg               | 10.79         |               |

| Material               |                           |
|------------------------|---------------------------|
| Name                   | Silicone, SIL 50° Shore A |
| Color                  | Red                       |
| Temperature, min.   °F | -40.0                     |
| Temperature max.   °F  | 392.0                     |
| Hardness   °Shore A    | 50                        |

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

05AF | Fitting 5x1/8" NPSF female, 50  
BL50-2.10 | Suction cup BL50-2 Chloroprene  
05AG | Fitting 1/8" NPSF female, 50, with mesh filter  
05AI | Fitting G1/8" male, 50, with mesh filter  
05CA | Fitting 1/8" NPSF female, 50, PA  
05AA | Fitting 1/8" NPSF female, 50  
05AD | Fitting G3/8" male, 50, with mesh filter  
05AE | Fitting 3/8" NPT male, with mesh filter  
05AC | Fitting 1/4" NPT male, with mesh filter  
05DA | Fitting 1/8" NPSF female, 50, with dual flow control valve  
05DB | Fitting G1/4" male, with dual flow control valve  
05DC | Fitting 1/4" NPT male, with dual flow control valve  
05DD | Fitting G3/8" male, 50, with mesh filter and dual flow control valve  
05DE | Fitting 3/8" NPT male, with dual flow control valve  
05DF | Fitting 5x1/8" NPSF female, 50, with dual flow control valve  
31.50.074 | Strengthening ring set BL50, Set of 4

### Spare parts

BL50-2.20 | Suction cup BL50-2 Silicone  
05AB | Fitting G1/4" male, 50, with mesh filter