

# Suction cup BL40-2 Silicone FCM, 1/8" NPSF female, with mesh filter

Item number: BL40-2.21.04AG



- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.
- 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.

Technical data

| Description             | Unit            | Value   |
|-------------------------|-----------------|---|
| Suction cup shape       | -               | Multibellows  |
| Application             | -               | Bag handling, Food contact materials (FDA & EU), non-detectable |
| Suction cup design      | -               | Round   |
| Characteristics         | -               | Bag handling, Food contact materials (FDA & EU), non-detectable |
| Material                | -               | Silicone (SIL)  |
| Weight, min.            | oz              | 0.35  |
| Suction cup model       | -               | BL-2  |
| Volume                  | in <sup>3</sup> | 1.65  |
| Height                  | in              | 1.98  |
| Outer diameter, min.    | in              | 1.57  |
| Fitting size            | -               | 1/8"  |
| Fitting option          | -               | Filter mesh   |
| Fitting style           | -               | Female  |
| Fitting type            | -               | NPSF-thread   |
| Suction cup model       | -               | BL40-2 reinforcement ring                                       |
| Movement, vertical max. | in              | 1.063   |
| Suction cup model       | -               | BL40-2  |
| Movement, vertical max. | in              | 1.063   |
| Curve radius, min.      | in              | 0.43  |

Performance - Lifting forces

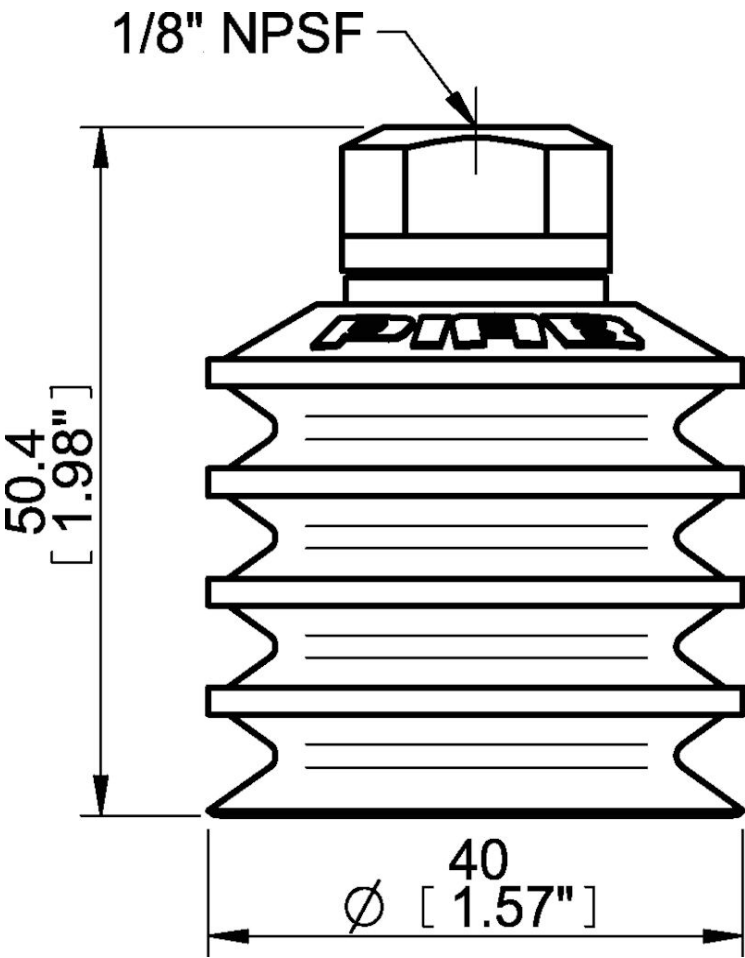
|                           | Vertical (lb) | Parallel (lb) |
|---------------------------|---------------|---------------|
| BL40-2 reinforcement ring |               |               |
| 5.91 -inHg                | 2.47          |               |
| 17.72 -inHg               | 4.95          |               |
| BL40-2                    |               |               |
| 5.91 -inHg                | 2.47          |               |
| 17.72 -inHg               | 6.74          |               |

| Material               |                              |
|------------------------|------------------------------|
| Name                   | Silicone (SIL FDA) 50° Shore |
| Color                  | Transparent                  |
| 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

04AB | Fitting G1/4" male, 30–40, with mesh filter

04AC | Fitting 1/4" NPT male, with mesh filter

**Spare parts**

04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter

BL40-2.21 | Suction cup BL40-2 Silicone FCM