

# Datasheet

## Suction cup BL50-5 Silicone FCM, 1/2" NPT male

Item number: BL50-5.21.05AL



- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004
- High initial flow, with re-enforced bellows and long, thin lip
- Suitable for handling difficult-to-handle bags, e.g., bags filled with liquid, frozen food, and for heavy bags
- Suitable working temperature is -40–392 °F
- Suitable for level compensation

### 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	1.023
Suction cup model	-	BL-5
Volume	in <sup>3</sup>	1.59
Height	in	2.95
Outer diameter, min.	in	1.97
Fitting size	-	1/2"
Fitting option	-	None
Fitting style	-	Male
Fitting type	-	NPT-thread
Suction cup model	-	BL50-5
Movement, vertical max.	in	0.71
Curve radius, min.	in	1.18

### Performance - Lifting forces

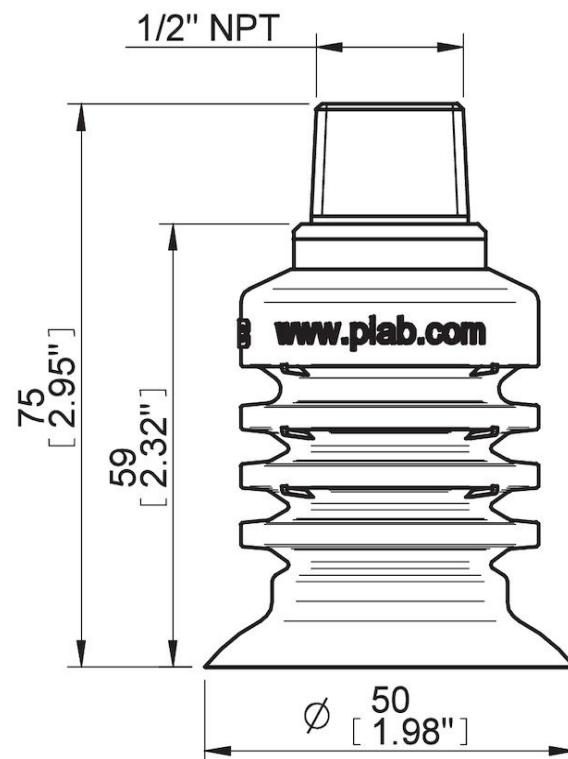
	Vertical (lb)	Parallel (lb)
BL50-5		
5.91 -inHg	1.80	2.11
17.72 -inHg	5.62	4.61

<b>Material</b>	
Name	Silikon FDA 40° Shore A
Color	Transparent
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

05AJ | Fitting G1/2" male, bag

**Spare parts**

05AL | Fitting 1/2" NPT male, bag

BL50-5.21 | Suction cup BL50-5 Silicone FCM