

# Datasheet

## Suction cup D50 Silicone FCM, 1/8" NPSF female, with mesh filter

Item number: D50.21.05AG



- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.
- Suitable for objects with curved or irregular surfaces.
- Grips around corners and edges.

### Technical data

Description	Unit	Value
Suction cup shape	-	Deep
Application	-	Food contact materials (FDA & EU), non-detectable
Suction cup design	-	Round
Characteristics	-	Food contact materials (FDA & EU), non-detectable
Material	-	Silicone (SIL)
Weight, min.	oz	0.63
Suction cup model	-	D
Volume	in <sup>3</sup>	0.92
Height	in	1.59
Outer diameter, min.	in	2.087
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Female
Fitting type	-	NPSF-thread
Suction cup model	-	D50
Movement, vertical max.	in	0.31
Curve radius, min.	in	0.98

### Performance - Lifting forces

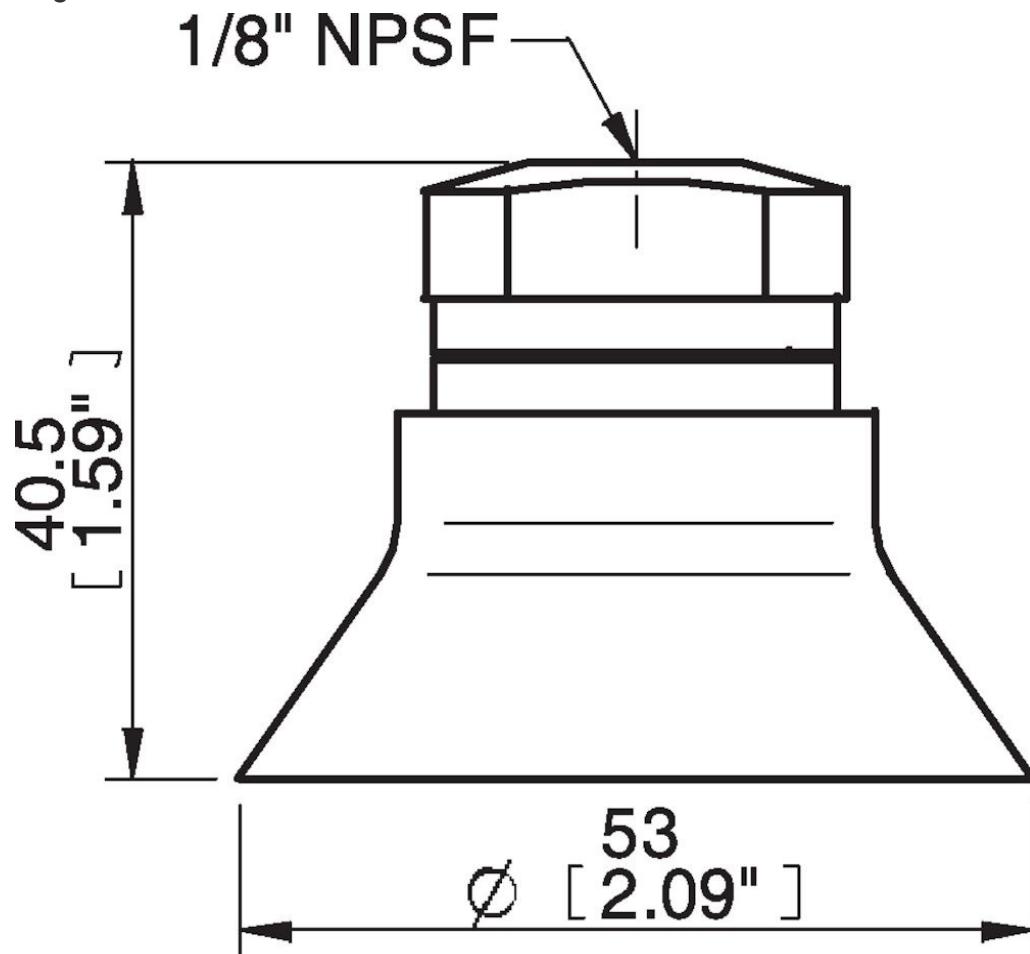
	Vertical (lb)	Parallel (lb)
D50		
5.91 -inHg	8.093	6.72
17.72 -inHg	17.54	9.58
26.58 -inHg	22.031	10.66

<b>Material</b>	
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

05AB | Fitting G1/4" male, 50, with mesh filter  
05AC | Fitting 1/4" NPT male, with mesh filter

**Spare parts**

05AG | Fitting 1/8" NPSF female, 50, with mesh filter

D50.21 | Suction cup D50 Silicone FCM