

Suction cup F50-2 Silicone FCM, G1/4" male, with mesh filter

Article number: 9909630



- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.
- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

Technical data

Description	Unit	Value
Suction cup shape	-	Flat
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.	g	14
Suction cup model	-	F
Volume	cm ³	10
Height	mm	32.5
Outer diameter, min.	mm	53
Outer diameter, actuated	mm	54.6
Fitting size	-	1/4"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	F50-2
Movement, vertical max.	mm	2.2
Curve radius, min.	mm	55

Performance - Lifting forces

F50-2	Vertical (N)	Parallel (N)
20 -kPa	36	24
60 -kPa	74	40
90 -kPa	96	50

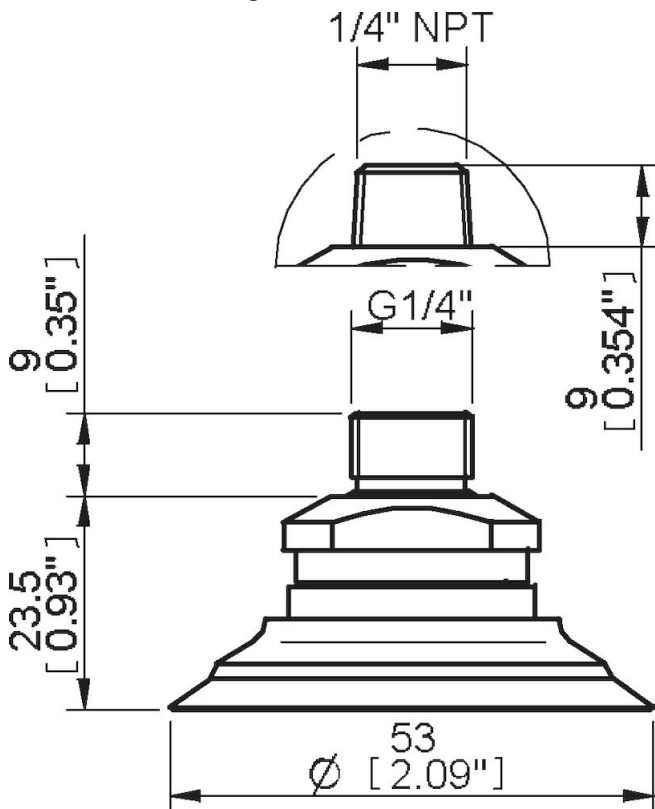
Material

Name	Silicone (SIL FDA) 50° Shore
Colour	Transparent
Temperature, min. °C	-40
Temperature max. °C	200
Hardness °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Fair
Methanol	n/a
Oil	Poor
Oxidation	Excellent
Petrol	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

- 0101154 | Fitting 1/8" NPSF female, 50, with mesh filter
- 3250094 | Fitting 1/4" NPT male, with mesh filter

Spare parts

- 0200438 | Suction cup F50-2 Silicone FCM
- 3250092 | Fitting G1/4" male, 50, with mesh filter