

# Datasheet

## Suction cup F40-2 Silicone FCM, 1/4" NPT male, with mesh filter

Item number: F40-2.21.04AC



- 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 give extra friction when the lifting force is parallel.

### Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Suction cup design	-	Round
Characteristics (for filtering)	-	Food contact materials (FDA & EU). non-detectable. High/low temp cup (plastic)
Material	-	Silicone (SIL)
Weight, min.	oz	0.19
Suction cup model	-	F
Volume	in <sup>3</sup>	0.29
Height	in	1.1
Outer diameter, min.	in	1.65
Fitting size	-	1/4"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	NPT-thread
Fitting material	-	Al
Suction cup model	-	F40-2
Movement, vertical max.	in	0.071
Curve radius, min.	in	2.047

### Performance - Lifting forces

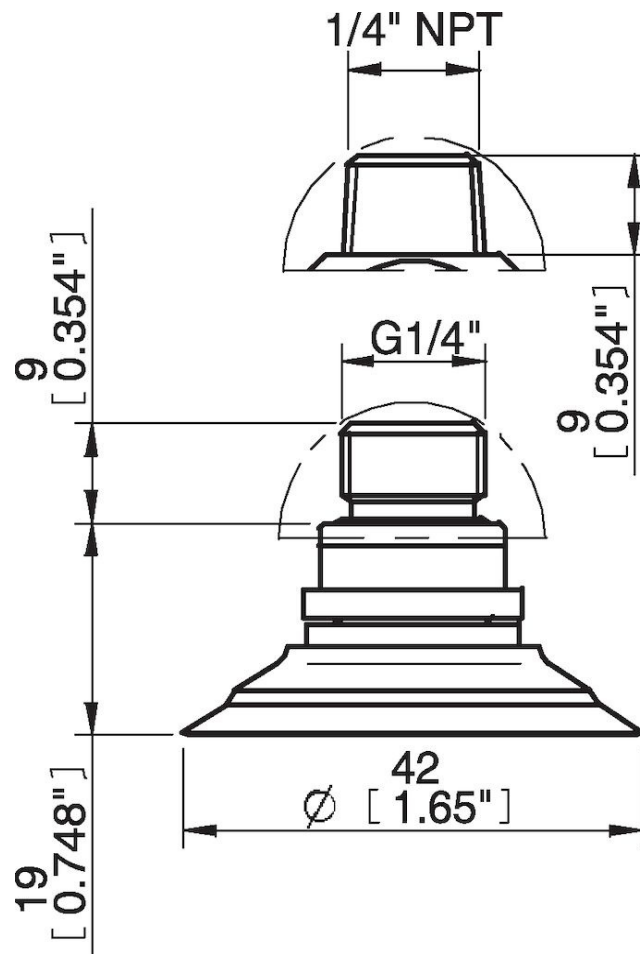
F40-2	Vertical (lb)	Parallel (lb)
5.91 -inHg	4.5	3.37
17.72 -inHg	8.99	5.62
26.58 -inHg	11.24	6.74

Material	
Name	Silicone (SIL FDA) 50° Shore
Color	Transparent
Temperature, min.   °F	-40
Temperature max.   °F	392
Hardness   °Shore A	50

### Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	Not applicable
Hydrolysis	Fair
Methanol	Not applicable
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

- 04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter
- 04AB | Fitting G1/4" male, 30–40, with mesh filter

### Spare parts

- F40-2.21 | Suction cup F40-2 Silicone FCM
- 04AC | Fitting 1/4" NPT male, with mesh filter