

# Datasheet

## Suction cup F30-2 Silicone FCM, 1/8" NPT male, with mesh filter

Item number: F30-2.21.02AC



- 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	0.078
Suction cup model	-	F
Volume	in <sup>3</sup>	0.12
Height	in	0.84
Outer diameter, min.	in	1.26
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	NPT-thread
Fitting material	-	Al
Suction cup model	-	F30-2
Movement, vertical max.	in	0.11
Curve radius, min.	in	0.98

### Performance - Lifting forces

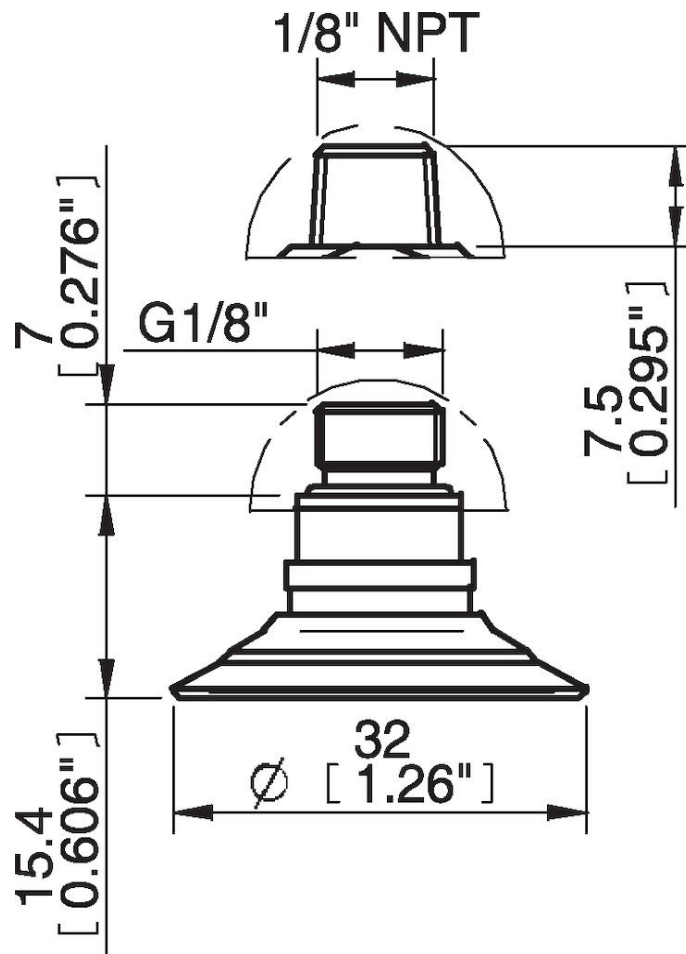
F30-2	Vertical (lb)	Parallel (lb)
5.91 -inHg	2.7	2.47
17.72 -inHg	5.62	3.6
26.58 -inHg	6.97	4.5

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

- 02AF | Fitting G1/8" male/M5 female, with mesh filter
- 02AB | Fitting G1/8" male, with mesh filter

### Spare parts

- F30-2.21 | Suction cup F30-2 Silicone FCM
- 02AC | Fitting 1/8" NPT male, with mesh filter