

# Suction cup U20 Silicone FCM, G1/8" male/M5 female, with mesh filter

Item number: U20.21.02AF



- The silicone material complies with FDA 21 CFR 177.2600 & EU 1935/2004.
- Suitable for objects with flat or slightly curved surfaces.
- Also used for concave objects.

Technical data

| Description             | Unit | Value                                             |
|-------------------------|------|---------------------------------------------------|
| Suction cup shape       | -    | Universal                                         |
| 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   | 0.042                                             |
| Suction cup model       | -    | U                                                 |
| Volume                  | in³  | 0.061                                             |
| Height                  | in   | 0.61                                              |
| Outer diameter, min.    | in   | 0.87                                              |
| Fitting size            | -    | 1/8", M5                                          |
| Fitting option          | -    | Filter mesh                                       |
| Fitting style           | -    | Female/Male                                       |
| Fitting type            | -    | G-thread, M-thread                                |
| Suction cup model       | -    | U20                                               |
| Movement, vertical max. | in   | 0.098                                             |
| Curve radius, min.      | in   | 0.51                                              |

Performance - Lifting forces

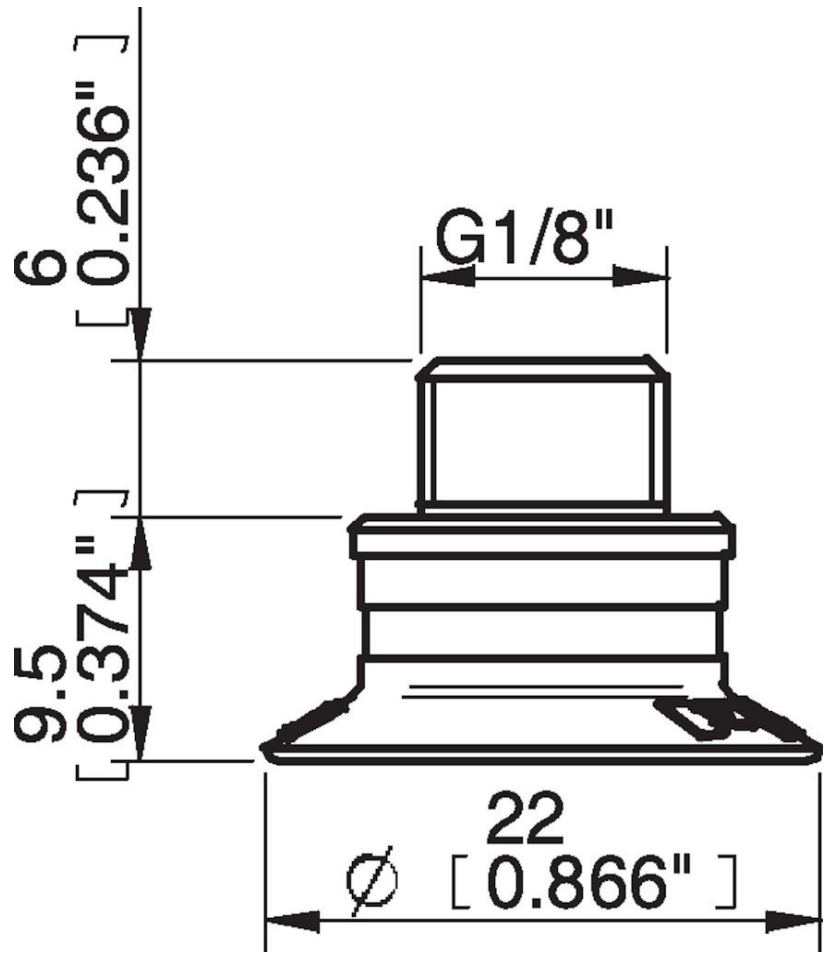
| U20         | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 1.33          | 1.33          |
| 17.72 -inHg | 2.70          | 1.98          |
| 26.58 -inHg | 3.60          | 2.20          |

|                        |                              |
|------------------------|------------------------------|
| <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**

02AB | Fitting G1/8" male, with mesh filter  
02AC | Fitting 1/8" NPT male, with mesh filter

**Spare parts**

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

U20.21 | Suction cup U20 Silicone FCM