

# Datasheet

## Suction cup U20 Silicone, G1/8" male, with dual flow control valve

Item number: U20.20.02DB



- Suitable for objects with flat or slightly curved surfaces.
- Also used for concave objects.

### Technical data

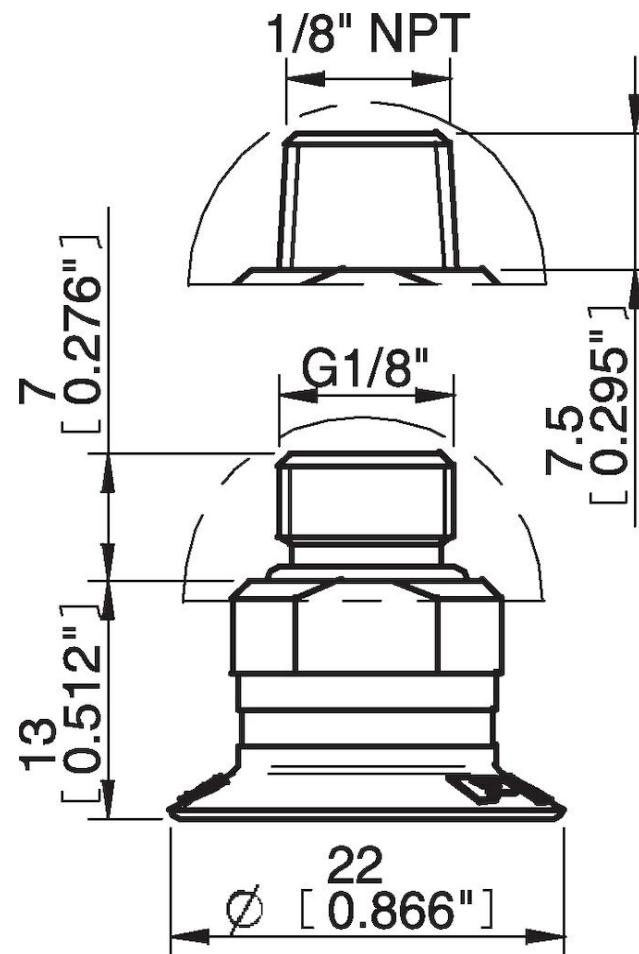
Description	Unit	Value
Suction cup shape	-	Universal
Application	-	Glass handling
Suction cup design	-	Round
Characteristics	-	Glass handling
Material	-	Silicone (SIL)
Weight, min.	oz	0.042
Suction cup model	-	U
Volume	in <sup>3</sup>	0.061
Leakage flow, max.	scfm	0.13
Height	in	0.75
Outer diameter, min.	in	0.87
Fitting size	-	1/8"
Fitting option	-	Dual flow control valve, Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Valve restriction	in	0.028
Restricted vacuum flow	scfm	1.48
Suction cup model	-	U20
Movement, vertical max.	in	0.098
Curve radius, min.	in	0.51

### Performance - Lifting forces

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

Name	Silicone, SIL 50° Shore A
Color	Red
Temperature, min.   °F	-40.0
Temperature max.   °F	392.0
Hardness   °Shore A	50
<b>Material resistance</b>	
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**

02AE | Fitting 5xM5 female  
U20.10 | Suction cup U20 Chloroprene  
02AF | Fitting G1/8" male/M5 female, with mesh filter  
U20.47 | Suction cup U20 HNBR  
02CD | Fitting G1/8" male/M5 female, PA  
02AA | Fitting M5 female  
02AD | Fitting G1/8" male/M5 female  
02AB | Fitting G1/8" male, with mesh filter  
02AC | Fitting 1/8" NPT male, with mesh filter  
02DA | Fitting M5 female, with dual flow control valve  
02DC | Fitting 1/8" NPT male, with dual flow control valve  
02DD | Fitting G1/8" male/M5 female, with dual flow control valve  
02DE | Fitting 5xM5 female, with dual flow control valve

## **Spare parts**

U20.20 | Suction cup U20 Silicone