

# Datasheet

## Suction cup U20 HNBR, G1/8" male, with mesh filter

Item number: U20.47.02AB



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

### Technical data

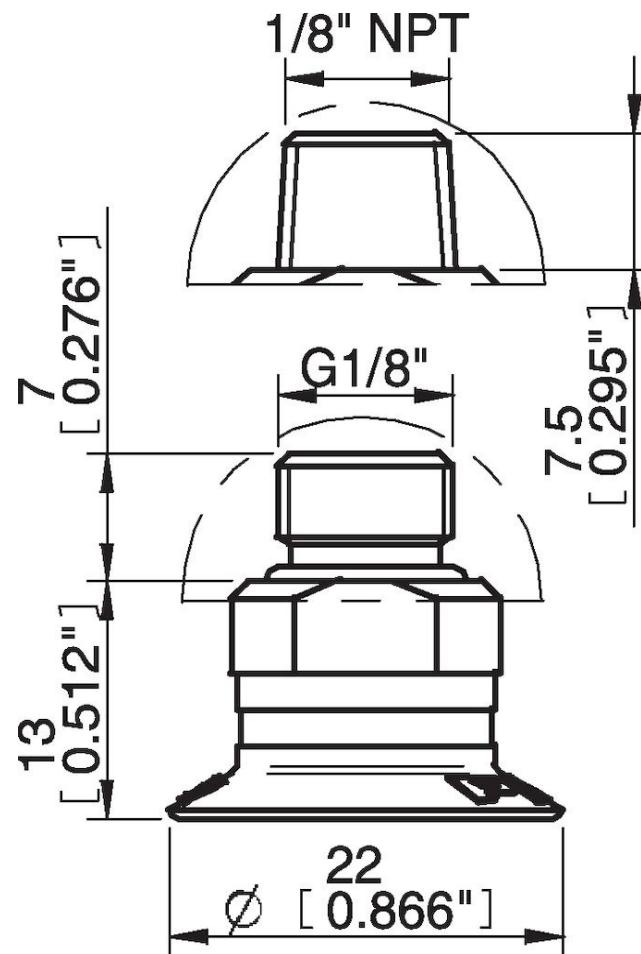
| Description             | Unit            | Value   |
|-------------------------|-----------------|---|
| Suction cup shape       | -               | Universal   |
| Application             | -               | Plastic injection molded parts, Glass handling, High/low temp cup, Mark Free  |
| Suction cup design      | -               | Round   |
| Characteristics         | -               | Plastic injection molded parts, Glass handling, High/low temp cup , Mark free |
| Material                | -               | HNBR  |
| Weight, min.            | oz              | 0.042   |
| Suction cup model       | -               | U   |
| Volume                  | in <sup>3</sup> | 0.061   |
| Height                  | in              | 0.77  |
| Outer diameter, min.    | in              | 0.87  |
| Fitting size            | -               | 1/8"  |
| Fitting option          | -               | Filter mesh   |
| Fitting style           | -               | Male  |
| Fitting type            | -               | G-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                       | HNBR 50° Shore A |
| Color                      | Blue             |
| Temperature, min.   °F     | -22.0            |
| Temperature max.   °F      | 284.0            |
| Hardness   °Shore A        | 50               |
| <b>Material resistance</b> |                  |
| Alcohol                    | Good             |
| Concentrated acids         | Fair             |
| Ethanol                    | n/a              |
| Hydrolysis                 | Good             |
| Methanol                   | n/a              |
| Oil                        | Excellent        |
| Oxidation                  | Excellent        |
| Gasoline                   | Excellent        |
| Wear resistance            | Excellent        |
| 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  
U20.20 | Suction cup U20 Silicone  
02AF | Fitting G1/8" male/M5 female, with mesh filter  
02CD | Fitting G1/8" male/M5 female, PA  
02AA | Fitting M5 female  
02AD | Fitting G1/8" male/M5 female  
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**

U20.47 | Suction cup U20 HNBR  
02AB | Fitting G1/8" male, with mesh filter