

Datasheet

Suction cup B20 HNBR, G1/8" male, with mesh filter

Item number: B20.47.02AB



- Suitable for level adjustment. Several short bellows in one lifting device can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- The lifting movement can be used to separate small and thin objects.
- Only lightweight objects should be handled when the lifting force is parallel to the surface of the object, in order to achieve good precision and safe lifting movement.

Technical data

| Description | Unit | Value |
|--------------------------|-----------------|--|
| Suction cup shape | - | Bellows |
| Application | - | Dry sheet metal, Glass handling, High/low temp cup, Plastic injection molded parts, Mark Free |
| Suction cup design | - | Round |
| Characteristics | - | Dry sheet metal, Glass handling, High/low temp cup , Plastic injection molded parts, Mark free |
| Material | - | HNBR |
| Weight, min. | oz | 0.11 |
| Suction cup model | - | B |
| Volume | in ³ | 0.16 |
| Height | in | 1.22 |
| Outer diameter, min. | in | 0.87 |
| Outer diameter, actuated | in | 1.024 |
| Fitting size | - | 1/8" |
| Fitting option | - | Filter mesh |
| Fitting style | - | Male |
| Fitting type | - | G-thread |
| Suction cup model | - | B20 |
| Movement, vertical max. | in | 0.39 |
| Curve radius, min. | in | 0.39 |

Performance - Lifting forces

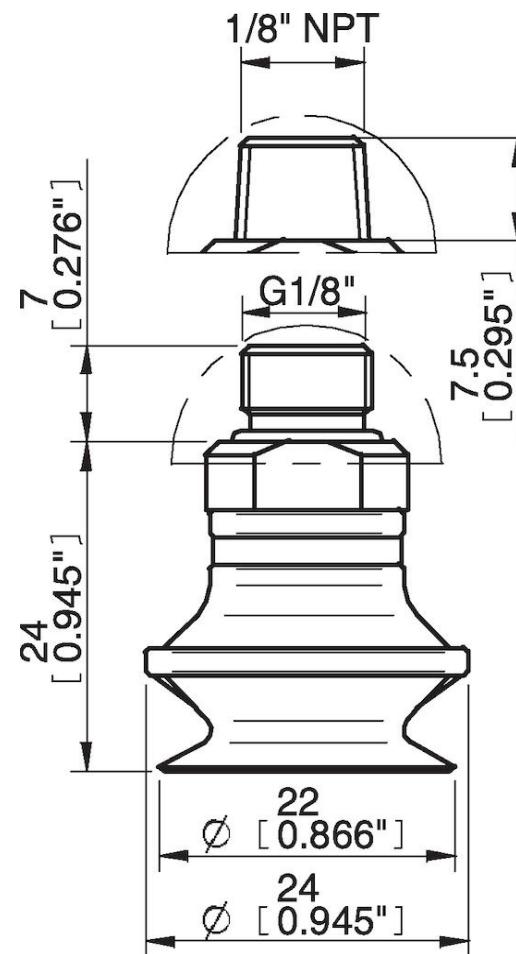
| B20 | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg | 1.33 | 0.65 |
| 17.72 -inHg | 2.20 | 1.21 |
| 26.58 -inHg | 3.15 | 1.85 |

| Material | |
|------------------------|------------------|
| Name | HNBR 50° Shore A |
| Color | Blue |
| Temperature, min. °F | -22.0 |
| Temperature max. °F | 284.0 |
| Hardness °Shore A | 50 |

Material resistance

| | |
|--------------------|-----------|
| 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
B20.20 | Suction cup B20 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

B20.47 | Suction cup B20 HNBR
02AB | Fitting G1/8" male, with mesh filter