

Suction cup B30-2 HNBR, G1/4" Male, with dual flow control valve

Item number: B30-2.37.04DB



- 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 | 0.25 |
| Suction cup model | - | B |
| Volume | in³ | 0.61 |
| Leakage flow, max. | scfm | 0.28 |
| Height | in | 1.61 |
| Outer diameter, min. | in | 1.34 |
| Fitting size | - | 1/4" |
| Fitting option | - | Dual flow control valve |
| Fitting style | - | Male |
| Fitting type | - | G-thread |
| Valve restriction | in | 0.035 |
| Suction cup model | - | B30-2 |
| Movement, vertical max. | in | 0.55 |
| Curve radius, min. | in | 0.59 |

Performance - Lifting forces

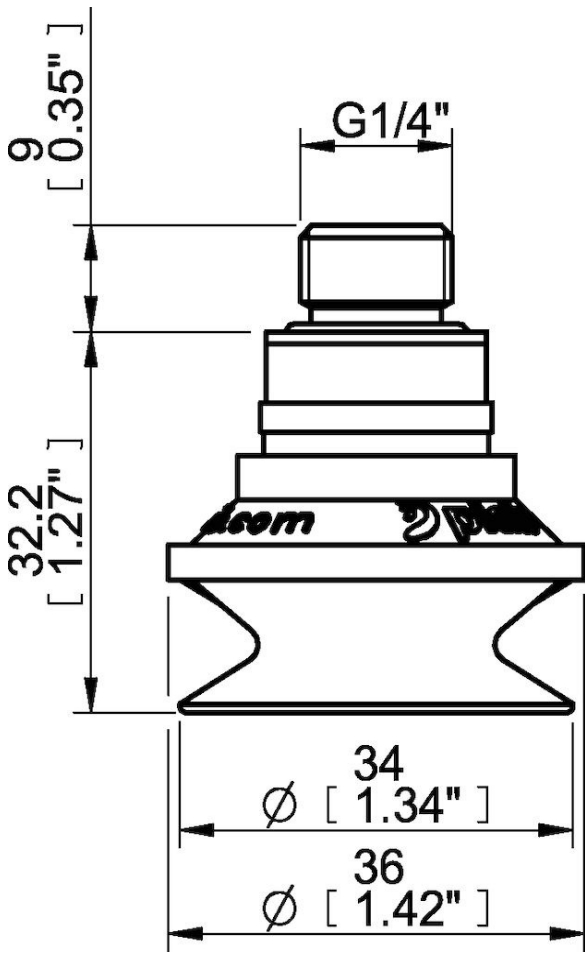
| B30-2 | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg | 2.70 | 2.11 |
| 17.72 -inHg | 4.95 | 3.73 |
| 26.58 -inHg | 6.070 | 4.99 |

| | |
|------------------------|------------------|
| 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

04AF | Fitting 5x1/8" NPSF female, 30–40
B30-2.10 | Suction cup B30-2 Chloroprene
B30-2.20 | Suction cup B30-2 Silicone
04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter
04AI | Fitting G1/8" male, 40, with mesh filter
04CA | Fitting 1/8" NPSF female, 30–40, PA
04AA | Fitting 1/8" NPSF female, 30–40
04AD | Fitting G3/8" male, 30–40, with mesh filter
04AE | Fitting 3/8" NPT male, with mesh filter
04AB | Fitting G1/4" male, 30–40, with mesh filter
04AC | Fitting 1/4" NPT male, with mesh filter
04DA | Fitting 1/8" NPSF female, 30–40, with dual flow control valve
04DC | Fitting 1/4" NPT male, with dual flow control valve
04DD | Fitting G3/8" male, 30–40, with dual flow control valve
04DE | Fitting 3/8" NPT male, with dual flow control valve
04DF | Fitting 5x1/8" NPSF female, 30–40, with dual flow control valve
02.01.148 | Filter D=34, HDPE, 20 pcs

Spare parts

B30-2.37 | Suction cup B30-2 HNBR
04DB | Fitting G1/4" male, 30–40, with dual flow control valve