

Suction cup B40 HNBR, G1/4" male, with mesh filter

Item number: B40.37.04AB



- 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	0.35
Suction cup model	-	B
Volume	in³	0.92
Height	in	1.69
Outer diameter, min.	in	1.80
Outer diameter, actuated	in	1.95
Fitting size	-	1/4"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Suction cup model	-	B40
Movement, vertical max.	in	0.53
Curve radius, min.	in	0.79

Performance - Lifting forces

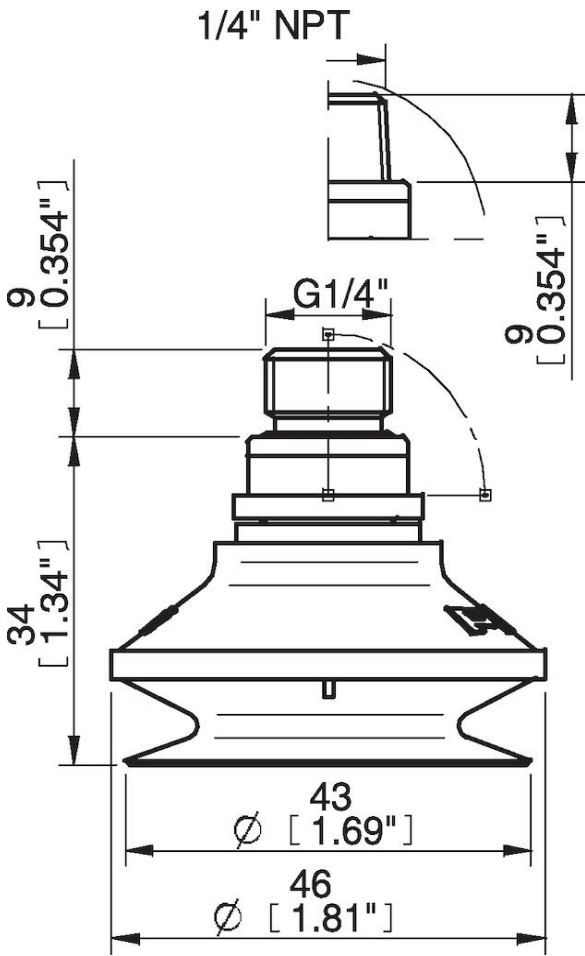
B40	Vertical (lb)	Parallel (lb)
5.91 -inHg	4.95	3.84
17.72 -inHg	8.77	5.91
26.58 -inHg	11.016	6.86

Material	
Name	HNBR 75° Shore A
Color	Blue/grey
Temperature, min. °F	-22.0
Temperature max. °F	284.0
Hardness °Shore A	75

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

B40.10 | Suction cup B40 Chloroprene

B40.20 | Suction cup B40 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

04AC | Fitting 1/4" NPT male, with mesh filter

04DA | Fitting 1/8" NPSF female, 30–40, with dual flow control valve

04DB | Fitting G1/4" male, 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

Spare parts

B40.37 | Suction cup B40 HNBR

04AB | Fitting G1/4" male, 30–40, with mesh filter