

Datasheet

Suction cup B40 Chloroprene, 1/8" NPSF female, with dual flow control valve

Item number: B40.10.04DA



- 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, Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Plastic injection molded parts
Material	-	Chloroprene (CR)
Weight, min.	oz	0.35
Suction cup model	-	B
Volume	in ³	0.92
Leakage flow, max.	scfm	0.28
Height	in	1.42
Outer diameter, min.	in	1.80
Outer diameter, actuated	in	1.95
Fitting size	-	1/8"
Fitting option	-	Dual flow control valve
Fitting style	-	Female
Fitting type	-	NPSF-thread
Valve restriction	in	0.035
Suction cup model	-	B40
Movement, vertical max.	in	0.53
Curve radius, min.	in	0.79

Performance - Lifting forces

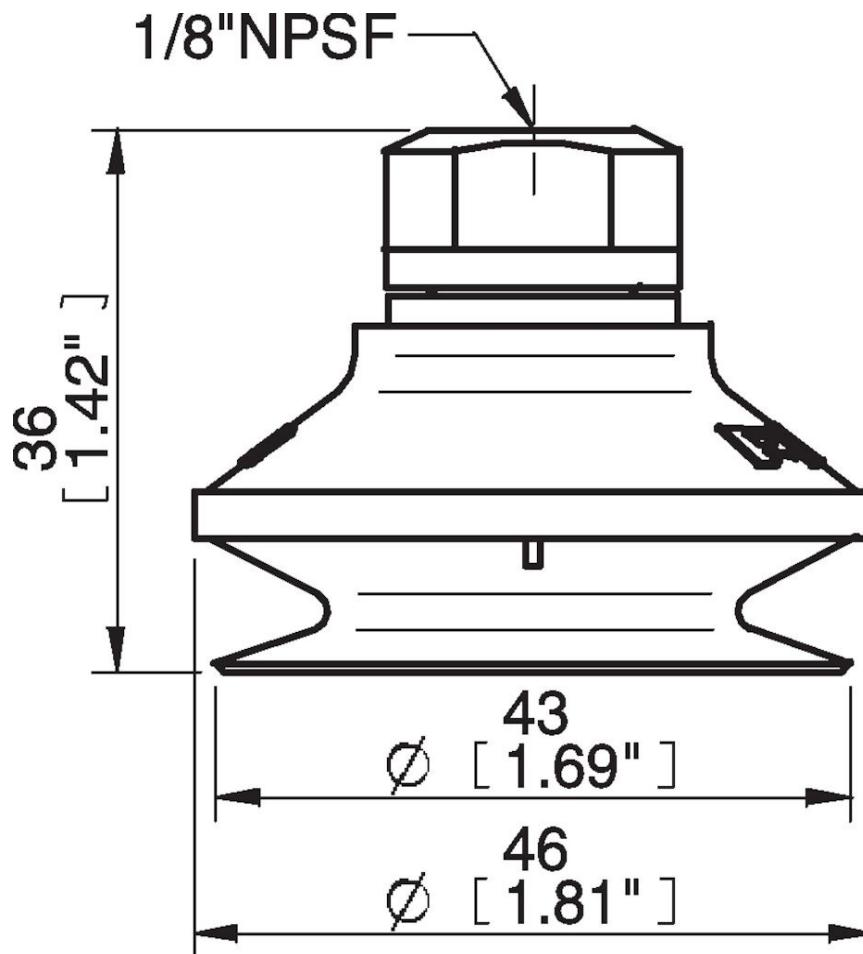
	Vertical (lb)	Parallel (lb)
B40		
5.91 -inHg	4.95	3.84
17.72 -inHg	8.77	5.91
26.58 -inHg	11.016	6.86

Material	
Name	Chloroprene (CR) 50° Shore A
Color	Black
Temperature, min. °F	-40.0
Temperature max. °F	230.0
Hardness °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Poor
Ethanol	n/a
Hydrolysis	Good
Methanol	n/a
Oil	Fair
Oxidation	Good
Gasoline	Fair
Wear resistance	Excellent
Weather and ozone	Good

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
B40.20 | Suction cup B40 Silicone
04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter
B40.37 | Suction cup B40 HNBR
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
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

B40.10 | Suction cup B40 Chloroprene
04DA | Fitting 1/8" NPSF female, 30–40, with dual flow control valve