

Suction cup BL50-2 Chloroprene, G1/4" male, with mesh filter and dual flow control valve

Item number: BL50-2.10.05DB



- Suitable for level adjustment.
- Lifting movement to separate small and thin objects.
- Less suitable when the lifting force is parallel to the surface of the object.
- Optional reinforcement rings made of polyamide.

Technical data

Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Bag handling
Suction cup design	-	Round
Characteristics	-	Bag handling
Material	-	Chloroprene (CR)
Weight, min.	oz	0.71
Suction cup model	-	BL-2
Volume	in³	3.23
Leakage flow, max.	scfm	0.34
Height	in	2.68
Outer diameter, min.	in	1.97
Fitting size	-	1/4"
Fitting option	-	Dual flow control valve, Filter mesh
Fitting style	-	Male
Fitting type	-	G-thread
Valve restriction	in	0.039
Suction cup model	-	BL50-2 reinforcement ring
Movement, vertical max.	in	1.18
Suction cup model	-	BL50-2
Movement, vertical max.	in	1.18
Curve radius, min.	in	0.51

Performance - Lifting forces

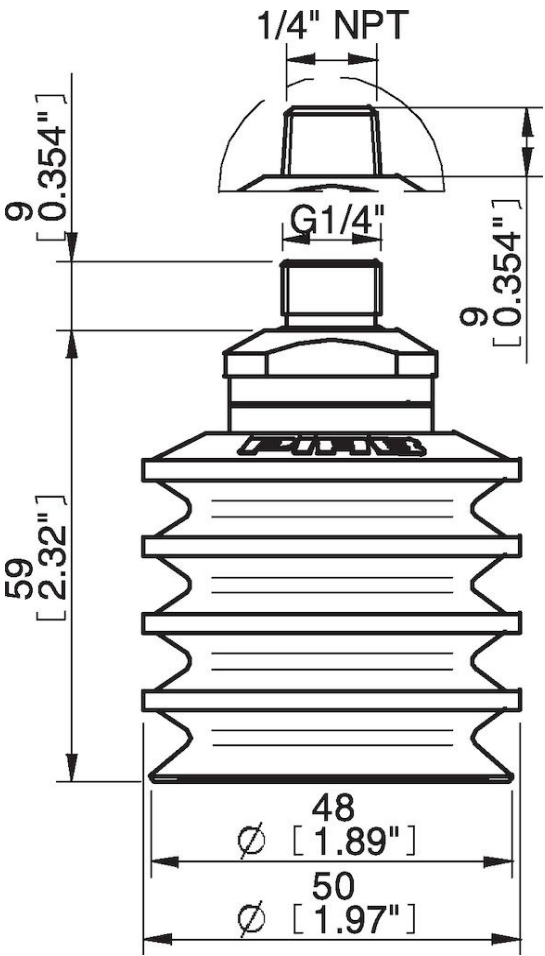
BL50-2 reinforcement ring	Vertical (lb)	Parallel (lb)
5.91 -inHg	3.82	
17.72 -inHg	9.67	
BL50-2		
5.91 -inHg	4.72	
17.72 -inHg	10.79	

Material	
Name	Chloroprene (CR) 65° Shore A
Color	Black
Temperature, min. °F	-40.0
Temperature max. °F	230.0
Hardness °Shore A	65

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

05AF | Fitting 5x1/8" NPSF female, 50
BL50-2.20 | Suction cup BL50-2 Silicone
05AG | Fitting 1/8" NPSF female, 50, with mesh filter
05AI | Fitting G1/8" male, 50, with mesh filter
05CA | Fitting 1/8" NPSF female, 50, PA
05AA | Fitting 1/8" NPSF female, 50
05AD | Fitting G3/8" male, 50, with mesh filter
05AE | Fitting 3/8" NPT male, with mesh filter
05AB | Fitting G1/4" male, 50, with mesh filter
05AC | Fitting 1/4" NPT male, with mesh filter
05DA | Fitting 1/8" NPSF female, 50, with dual flow control valve
05DC | Fitting 1/4" NPT male, with dual flow control valve
05DD | Fitting G3/8" male, 50, with mesh filter and dual flow control valve
05DE | Fitting 3/8" NPT male, with dual flow control valve
05DF | Fitting 5x1/8" NPSF female, 50, with dual flow control valve
31.50.074 | Strengthening ring set BL50, Set of 4

Spare parts

BL50-2.10 | Suction cup BL50-2 Chloroprene
05DB | Fitting G1/4" male, with dual flow control valve