

B75-2



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Suction cup with short bellows and filter disk

- 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.
- Lifting movement 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.
- Filter disk made of PE.

Lifting forces & Technical data

Outer Dia.	Lifting force vertical to the surface, lbf, at vacuum level			Lifting force parallel to the surface, lbf, at vacuum level			Volume	Min. curve radius	Max. vertical movement	Weight rubber part
	6 -inHg	18 -inHg	27 -inHg	6 -inHg	18 -inHg	27 -inHg				
in							in ³	in	in	oz
3.07	16.6	37.5	50.8	—	—	—	6.70	1.60	0.94	1.23

Material specifications

Material	Color	Hardness °Shore A	Temperature range °F
Nitrile-PVC, NPV	Black	50	32–194*
Silicone, SIL	Red	50	-40–392*

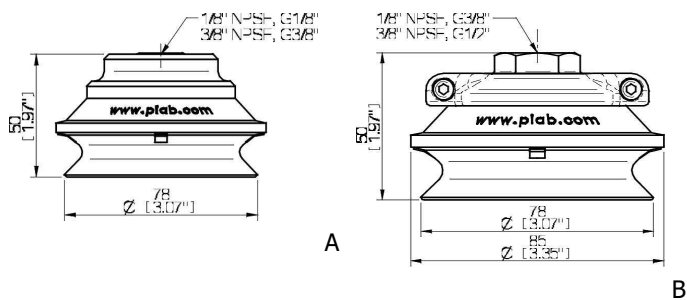
*Filter disk max. 176°F

Material resistance

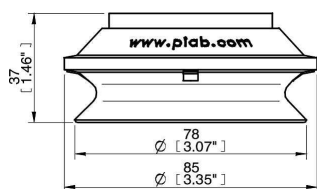
Material	Wear resistance	Oil	Weather & Ozone	Hydrolysis	Gasoline	Concentrated acids	Alcohol	Oxidation
Nitrile-PVC, NPV	Excellent	Excellent	Good	Good	Excellent	Fair	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent

Ordering information

	Suction cups with fitting	Weight (oz)	Part No.
A	Suction cup B75-2 Nitrile-PVC, 1/8" NPSF female AI, with mesh filter	3.22	B75-2.30.07UA
A	Suction cup B75-2 Nitrile-PVC, 3/8" NPSF female AI, with mesh filter	3.79	B75-2.30.07UB
A	Suction cup B75-2 Nitrile-PVC, G1/2" female AI, with mesh filter	3.66	B75-2.30.07UD
A	Suction cup B75-2 Nitrile-PVC, 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.	3.94	B75-2.30.07UH
B	Suction cup B75-2 Nitrile-PVC with filter, 1/8" NPSF female, with mesh filter	3.63	B75-2.30.07NA
B	Suction cup B75-2 Nitrile-PVC with filter, G3/8" female, with mesh filter	3.63	B75-2.30.07ND
B	Suction cup B75-2 Nitrile-PVC with filter, 3/8" NPSF female, with mesh filter	3.63	B75-2.30.07NE
B	Suction cup B75-2 Nitrile-PVC with filter, G1/2" female, with mesh filter	3.63	B75-2.30.07NF
A	Suction cup B75-2 Silicone, 1/8" NPSF female AI, with mesh filter	3.22	B75-2.20.07UA
A	Suction cup B75-2 Silicone, 3/8" NPSF female AI, with mesh filter	3.79	B75-2.20.07UB
A	Suction cup B75-2 Silicone, G1/2" female AI, with mesh filter	3.67	B75-2.20.07UD
A	Suction cup B75-2 Silicone, 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.	3.94	B75-2.20.07UH
B	Suction cup B75-2 Silicone with filter, 1/8" NPSF female, with mesh filter	3.63	B75-2.20.07NA
B	Suction cup B75-2 Silicone with filter, G3/8" female, with mesh filter	3.63	B75-2.20.07ND
B	Suction cup B75-2 Silicone with filter, 3/8" NPSF female, with mesh filter	3.63	B75-2.20.07NE
B	Suction cup B75-2 Silicone, G1/2" female, with mesh filter	3.63	B75-2.20.07NF



Rubber parts	Part No.
Suction cup B75-2 Nitrile-PVC, with filter	B75-2.30
Suction cup B75-2 Nitrile-PVC, with filter & washer	B75-2.30.W
Suction cup B75-2 Silicone, with filter	B75-2.20
Suction cup B75-2 Silicone, with filter & washer	B75-2.20.W



Description	Part No.
Fitting 1/8" NPSF female AI, with mesh filter	07UA
Fitting 3/8" NPSF female AI, with mesh filter	07UB
Fitting G1/2" female AI, with mesh filter	07UD
Fitting 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.	07UH
Fitting 75, 1/8" NPSF female, clamp ring with mesh filter	07NA
Fitting 75, G3/8" female, clamp ring with mesh filter	07ND

Fitting 75, 3/8" NPSF female, with mesh filter	07NE
Fitting 75, G1/2" female, clamp ring with mesh filter	07NF

Spare part	Material	Temperature range °F	Part No.
Filter D=80, 10 pcs, for B75-2	Polyethylene, PE	-40–176	02.01.149