



## B75

## Suction cup with short bellows

- 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.

## Lifting forces &amp; 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 <sup>3</sup>	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
HNBR	Grey-blue	75	-22–284*

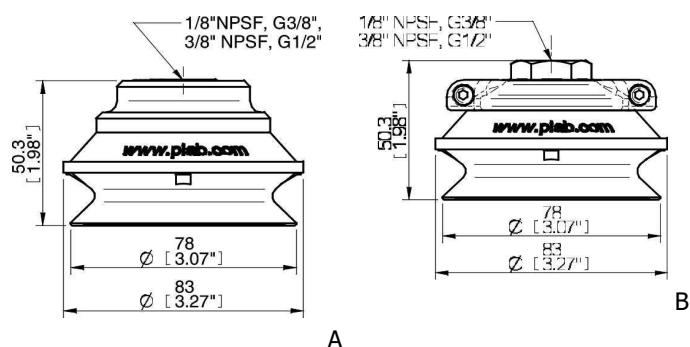
\* For a shorter period of time up to 320°F

## 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
HNBR	Excellent	Excellent	Excellent	Good	Excellent	Fair	Good	Excellent

## Ordering information

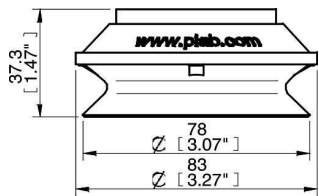
	Suction cups with fitting	Weight (oz)	Part No.
A	Suction cup B75 Nitrile-PVC, 1/8" NPSF female AI, with mesh filter	3.22	B75.30.07UA
A	Suction cup B75 Nitrile-PVC, 3/8" NPSF female AI, with mesh filter	3.79	B75.30.07UB
A	Suction cup B75 Nitrile-PVC, G1/2" female AI, with mesh filter	3.66	B75.30.07UD
A	Suction cup B75 Nitrile-PVC, 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.	3.94	B75.30.07UH
B	Suction cup B75 Nitrile-PVC, 1/8" NPSF female, clamp ring with mesh filter	3.63	B75.30.07NA
B	Suction cup B75 Nitrile-PVC, G3/8" female, clamp ring with mesh filter	3.63	B75.30.07ND
B	Suction cup B75 Nitrile-PVC, 3/8" NPSF female, clamp ring with mesh filter	3.63	B75.30.07NE
B	Suction cup B75 Nitrile-PVC, G1/2" female, clamp ring with mesh filter	3.63	B75.30.07NF
A	Suction cup B75 Silicone, 1/8" NPSF female AI, with mesh filter	3.22	B75.20.07UA
A	Suction cup B75 Silicone, 3/8" NPSF female AI, with mesh filter	3.79	B75.20.07UB
A	Suction cup B75 Silicone, G1/2" female AI, with mesh filter	3.67	B75.20.07UD
A	Suction cup B75 Silicone, 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.	3.94	B75.20.07UH
B	Suction cup B75 Silicone, 1/8" NPSF female, clamp ring with mesh filter	3.63	B75.20.07NA
B	Suction cup B75 Silicone, G3/8" female, clamp ring with mesh filter	3.63	B75.20.07ND
B	Suction cup B75 Silicone, 3/8" NPSF female, clamp ring with mesh filter	3.63	B75.20.07NE
B	Suction cup B75 Silicone, G1/2" female, clamp ring with mesh filter	3.63	B75.20.07NF
A	Suction cup B75 HNBR, 1/8" NPSF female AI, with mesh filter	3.22	B75.37.07UA
A	Suction cup B75 HNBR, 3/8" NPSF female AI, with mesh filter	3.79	B75.37.07UB
A	Suction cup B75 HNBR, G1/2" female AI, with mesh filter	3.67	B75.37.07UD
A	Suction cup B75 HNBR, 1/4" NPT female AI, with mesh filter & 10-32 addl. conn.	3.94	B75.37.07UH
B	Suction cup B75 HNBR, 1/8" NPSF female, clamp ring with mesh filter	3.63	B75.37.07NA
B	Suction cup B75 HNBR, G3/8" female, clamp ring with mesh filter	3.63	B75.37.07ND
B	Suction cup B75 HNBR, 3/8" NPSF female, clamp ring with mesh filter	3.63	B75.37.07NE
B	Suction cup B75 HNBR, G1/2" female, clamp ring with mesh filter	3.63	B75.37.07NF



A

B

Rubber parts	Part No.
Suction cup B75 Nitrile-PVC	B75.30
Suction cup B75 Nitrile-PVC with washer	B75.30.W
Suction cup B75 Silicone	B75.20
Suction cup B75 Silicone with washer	B75.20.W
Suction cup B75 HNBR	B75.37
Suction cup B75 HNBR with washer	B75.37.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