

B150



B150

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 & Technical data

Outer Dia. in	Lifting force vertical to the surface, lbf, at vacuum level			Lifting force parallel to the surface, lbf, at vacuum level			Volume in ³	Min. curve radius in	Max. vertical movement in	Weight rubber part oz
	6 -inHg	18 -inHg	27 -in hg	6 -inHg	18 -inHg	27 -inHg				
6.10	66.1	154	199	—	—	—	40.0	3.00	1.77	9.35

Material specifications

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

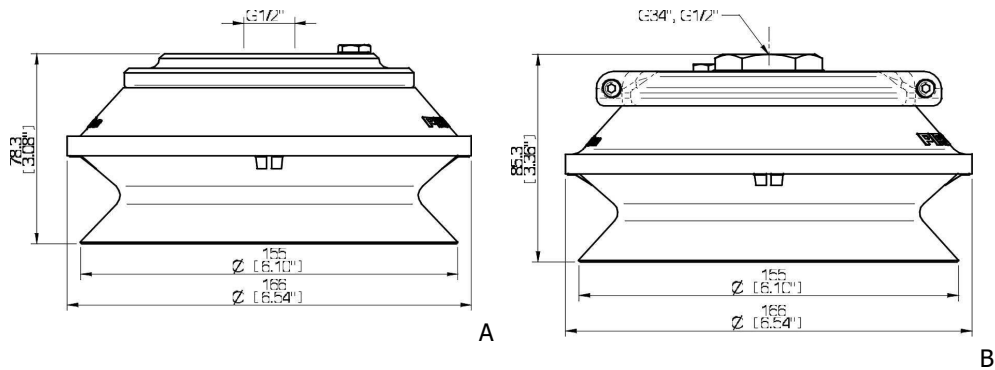
*Filter disk max. 176°F

Material resistance

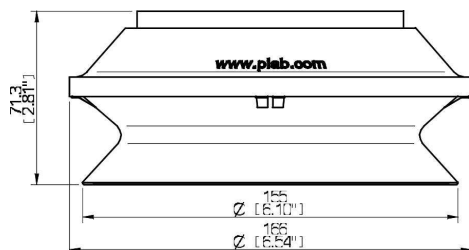
Material	Wear resistance	Oil	Weather & Ozone	Hydrolysis	Gasoline	Concentrated acids	Alcohol	Oxidation
Nitrile-PVC, NPV	Excellent	Excellent	Good	Good	Excellent	Fair	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent

Ordering information

Suction cups with fitting		Weight (oz)	Part No.
A	Suction cup B150 Nitrile-PVC, G1/2" female AI, with mesh filter	19.4	B150.30.15UA
B	Suction cup B150 Nitrile-PVC, G1/2" female, clamp ring with mesh filter	21.9	B150.30.15NA
B	Suction cup B150 Nitrile-PVC, G3/4" female, clamp ring with mesh filter	21.9	B150.30.15NB
A	Suction cup B150 Silicone, G1/2" female AI, with mesh filter	19.4	B150.20.15UA
B	Suction cup B150 Silicone, G1/2" female, clamp ring with mesh filter	21.9	B150.20.15NA
B	Suction cup B150 Silicone, G3/4" female, clamp ring with mesh filter	21.9	B150.20.15NB



Rubber parts	Part No.
Suction cup B150 Nitrile-PVC	B150.30
Suction cup B150 Nitrile-PVC with washer	B150.30.W
Suction cup B150 Silicone	B150.20
Suction cup B150 Silicone with washer	B150.20.W



Fittings	Part No.
Fitting G1/2" female AI, with mesh filter	15UA
Fitting G1/2" female, clamp ring with mesh filter	15NA
Fitting G3/4" female, clamp ring with mesh filter	15NB