

B50-2



SUCTION CUP WITH SHORT BELLOWS AND FILTER

- ▶ 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.

LIFTING FORCES & TECHNICAL DATA

Lifting force vertical to the surface, N, at vacuum level			Lifting force parallel to the surface, N, at vacuum level			Volume cm ³	Min. curve radius mm	Max. vertical movement mm	Weight rubber part g
20 -kPa	60 -kPa	90 -kPa	20 -kPa	60 -kPa	90 -kPa				
33	65	82	—	—	—	32	30	19	20.0

MATERIAL SPECIFICATIONS

Material	Colour	Hardness °Shore A	Temperature range °C
Nitrile-PVC, NPV	Black	50	0–90*
Silicone, SIL	Red	50	-40–200*

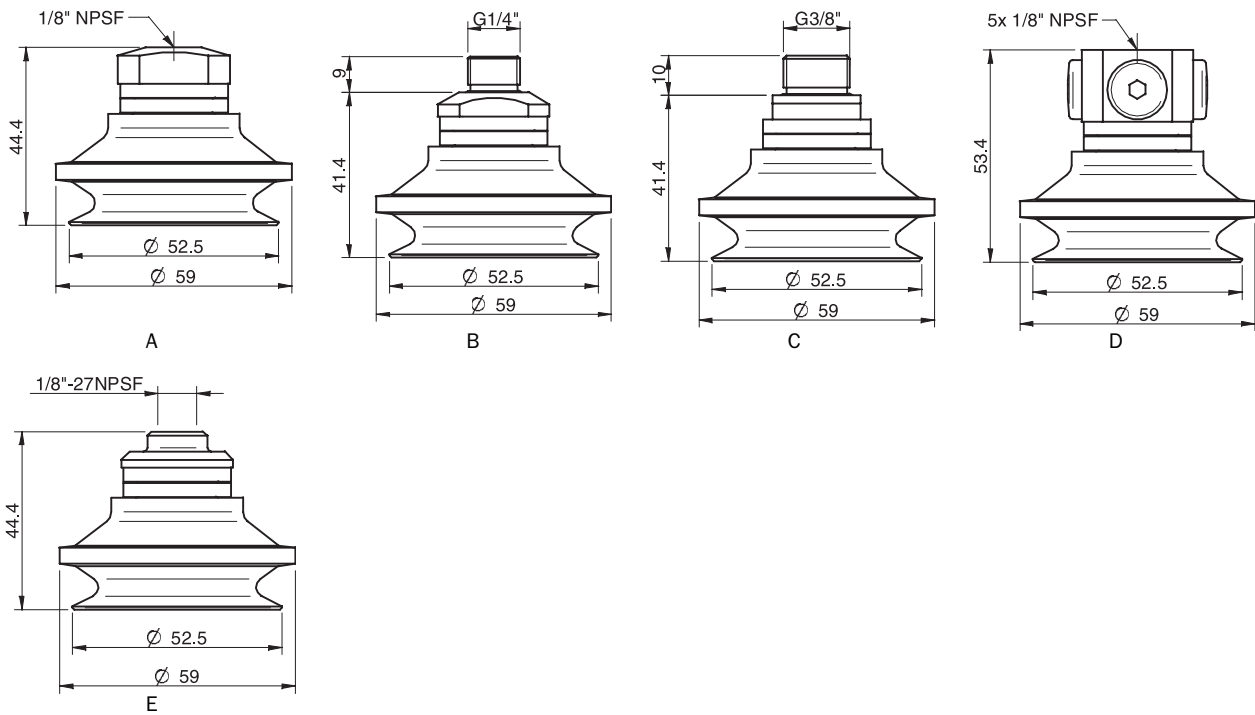
* Filter disc max. 80 °C

MATERIAL RESISTANCE

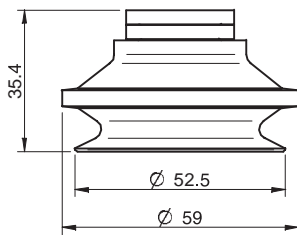
Material	Wear resistance	Oil	Weather & Ozone	Hydrolysis	Petrol	Concentrated acids	Alcohol	Oxidation
Nitrile-PVC, NPV	Excellent	Excellent	Good	Good	Excellent	Fair	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent

ORDERING INFORMATION

	Complete suction cups	Art. No
A	Suction cup B50-2 Nitrile-PVC with filter, 1/8" NPSF female, with mesh filter	0101675
A	Suction cup B50-2 Nitrile-PVC with filter, 1/8" NPSF female, with dual flow control valve	0101676
B	Suction cup B50-2 Nitrile-PVC with filter, G1/4" male, with mesh filter	0101670
B	Suction cup B50-2 Nitrile-PVC with filter, G1/4" male, with dual flow control valve and mesh filter	0101677
C	Suction cup B50-2 Nitrile-PVC with filter, G3/8" male, with mesh filter	0101672
C	Suction cup B50-2 Nitrile-PVC with filter, G3/8" male, with dual flow control valve and mesh filter	0101679
D	Suction cup B50-2 Nitrile-PVC with filter, 5x1/8" NPSF female	0101674
D	Suction cup B50-2 Nitrile-PVC with filter, 5x1/8" NPSF female, with dual flow control valve	0101681
A	Suction cup B50-2 Silicone with filter, 1/8" NPSF female, with mesh filter	0101662
A	Suction cup B50-2 Silicone with filter, 1/8" NPSF female, with dual flow control valve	0101663
B	Suction cup B50-2 Silicone with filter, G1/4" male, with mesh filter	0101657
B	Suction cup B50-2 Silicone with filter, G1/4" male, with dual flow control valve and mesh filter	0101664
C	Suction cup B50-2 Silicone with filter, G3/8" male, with mesh filter	0101659
C	Suction cup B50-2 Silicone with filter, G3/8" male, with dual flow control valve and mesh filter	0101666
D	Suction cup B50-2 Silicone with filter, 5x1/8" NPSF female	0101661
D	Suction cup B50-2 Silicone with filter, 5x1/8" NPSF female, with dual flow control valve	0101668
E	Suction cup B50-2 Nitrile-PVC with filter, 1/8" NPSF female, PA	0110957
E	Suction cup B50-2 Silicone with filter, 1/8" NPSF female, PA	0110347



Rubber parts	Art. No.
Suction cup B50-2 Nitrile-PVC with filter	0101109
Suction cup B50-2 Silicone with filter	0101110



Fittings	Art. No.
Fitting 1/8" NPSF female, 50, with mesh filter	0101154
Fitting 1/8" NPSF female, 50, with dual flow control valve	3251012
Fitting G1/4" male, 50, with mesh filter	3250092
Fitting G1/4" male, with mesh filter and dual flow control valve	3251013
Fitting G3/8" male, 50, with mesh filter	3250087
Fitting G3/8" male, 50, with mesh filter and dual flow control valve	3251015
Fitting 5x1/8" NPSF female, 50	0100262
Fitting 5x1/8" NPSF female, 50, with dual flow control valve	3251017
Fitting 1/8" NPSF female, 50, PA	3150198

For further information and dimensioned drawings, see *SUCTION CUPS FITTINGS* chapter.

Spare Part	Material	Temperature range °C	Art. No.
Filter for B50-2	Polyethylene, PE	-40-80	3150243