

## B20

## 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
0.87	1.33	2.20	3.15	—	—	—	0.16	0.39	0.39	0.11

## Material specifications

Material	Color	Hardness °Shore A	Temperature range °F
Chloroprene, CR	Black	60	-40-230
Silicone, SIL	Red	50	-40-392
HNBR	Blue	50	-22 - 284*

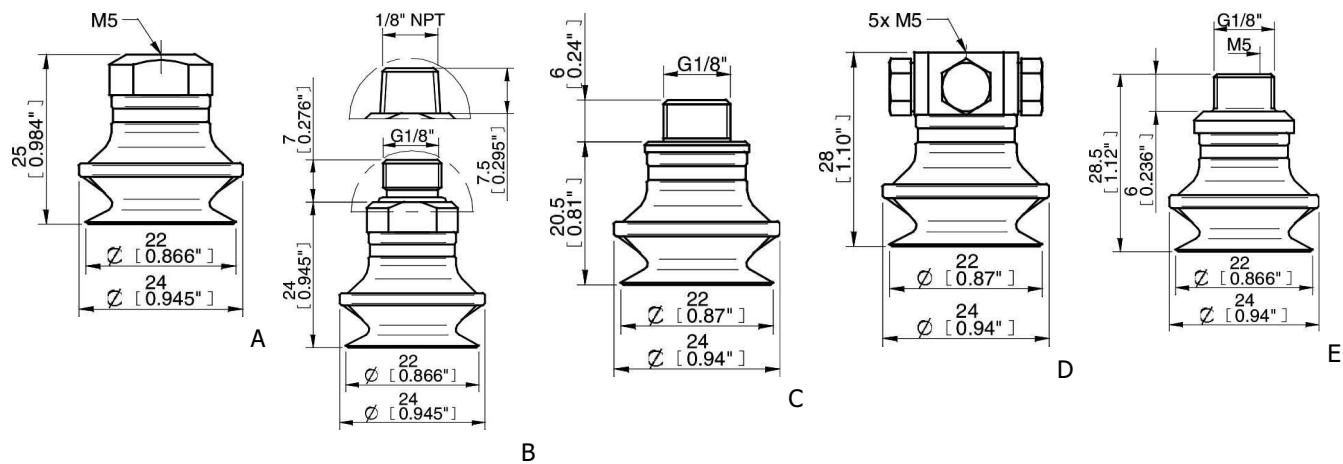
\*For a shorter period of time up to 320°F

## Material resistance

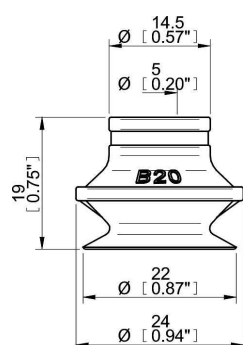
Material	Wear resistance	Oil	Weather & ozone	Hydrolysis	Gasoline	Concentrated acids	Alcohol	Oxidation
Chloroprene, CR	Excellent	Fair	Good	Good	Fair	Poor	Good	Good
Silicone, SIL	Good	Poor	Excellent	Fair	Poor	Poor	Good	Excellent
HNBR	Excellent	Excellent	Excellent	Good	Excellent	Fair	Good	Excellent

## Ordering information

	Suction cups with fitting	Part No.
A	Suction cup B20 Chloroprene, M5 female	B20.10.02AA
A	Suction cup B20 Chloroprene, M5 female, with dual flow control valve	B20.10.02DA
B	Suction cup B20 Chloroprene, G1/8" male, with mesh filter	B20.10.02AB
B	Suction cup B20 Chloroprene, G1/8" male, with mesh filter and dual flow control valve	B20.10.02DB
B	Suction cup B20 Chloroprene, 1/8" NPT male, with mesh filter	B20.10.02AC
C	Suction cup B20 Chloroprene, G1/8" male/M5 female	B20.10.02AD
C	Suction cup B20 Chloroprene, G1/8" male/M5 female, with mesh filter	B20.10.02AF
C	Suction cup B20 Chloroprene, G1/8" male/M5 female, with dual flow control valve	B20.10.02DD
D	Suction cup B20 Chloroprene, 5xM5 female	B20.10.02AE
A	Suction cup B20 Silicone, M5 female	B20.20.02AA
A	Suction cup B20 Silicone, M5 female, with dual flow control valve	B20.20.02DA
B	Suction cup B20 Silicone, G1/8" male, with mesh filter	B20.20.02AB
B	Suction cup B20 Silicone, G1/8" male, with mesh filter and dual flow control valve	B20.20.02DB
C	Suction cup B20 Silicone, G1/8" male/M5 female	B20.20.02AD
C	Suction cup B20 Silicone, G1/8" male/M5 female, with dual flow control valve	B20.20.02DD
C	Suction cup B20 Silicone, G1/8" male/M5 female, with mesh filter	B20.20.02AF
C	Suction cup B20 Silicone, G1/8" male/M5 female, with dual flow control valve	B20.20.02DD
D	Suction cup B20 Silicone, 5xM5 female	B20.20.02AE
D	Suction cup B20 Silicone, 5xM5 female, with dual flow control valve	B20.20.02DE
A	Suction cup B20 HNBR, M5 female	B20.47.02AA
A	Suction cup B20 HNBR, M5 female, with dual flow control valve	B20.47.02DA
B	Suction cup B20 HNBR, G1/8" male, with mesh filter	B20.47.02AB
B	Suction cup B20 HNBR, G1/8" male, with mesh filter and dual flow control valve	B20.47.02DB
B	Suction cup B20 HNBR, 1/8" NPT male, with mesh filter	B20.47.02AC
B	Suction cup B20 HNBR, 1/8" NPT male, with mesh filter and dual flow control valve	B20.47.02DC
C	Suction cup B20 HNBR, G1/8" male/M5 female	B20.47.02AD
C	Suction cup B20 HNBR, G1/8" male/M5 female, with mesh filter	B20.47.02AF
C	Suction cup B20 HNBR, G1/8" male/M5 female, with dual flow control valve	B20.47.02DD
D	Suction cup B20 HNBR, 5xM5 female	B20.47.02AE
D	Suction cup B20 HNBR, 5xM5 female, with dual flow control valve	B20.47.02DD
E	Suction cup B20 Chloroprene, G1/8" male/M5 female, PA	B20.10.02CD
E	Suction cup B20 Silicone, G1/8" male/M5 female, PA	B20.20.02CD



Rubber parts	Part No.
Suction cup B20 Chloroprene	B20.10
Suction cup B20 Silicone	B20.20
Suction cup B20 HNBR	B20.47



Fittings	Part No.
Fitting M5 female	02AA
Fitting M5 female, with dual flow control valve	02DA
Fitting G1/8\" male, with mesh filter	02AB
Fitting G1/8\" male, with mesh filter and dual flow control valve	02DB
Fitting 1/8\" NPT male, with mesh filter	02AC
Fitting 1/8\" NPT male, with dual flow control valve	02DC
Fitting G1/8\" male/M5 female	02AD
Fitting G1/8\" male/M5 female, with mesh filter	02AF
Fitting G1/8\" male/M5 female, with dual flow control valve	02DD
Fitting 5xM5 female	02AE
Fitting 5xM5 female, with dual flow control valve	02DE
Fitting G1/8\" male/M5 female, PA	02CD