

Datasheet

Suction cup B20 HNBR, G1/8" male/M5 female, with mesh filter

Item number: B20.47.02AF



- 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.

Technical data

Description	Unit	Value
Suction cup shape	-	Bellows
Application	-	Dry sheet metal, Glass handling, High/low temp cup, Plastic injection molded parts, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Glass handling, High/low temp cup , Plastic injection molded parts, Mark free
Material	-	HNBR
Weight, min.	oz	0.11
Suction cup model	-	B
Volume	in ³	0.16
Height	in	1.043
Outer diameter, min.	in	0.87
Outer diameter, actuated	in	1.024
Fitting size	-	1/8", M5
Fitting option	-	Filter mesh
Fitting style	-	Female/Male
Fitting type	-	G-thread, M-thread
Suction cup model	-	B20
Movement, vertical max.	in	0.39
Curve radius, min.	in	0.39

Performance - Lifting forces

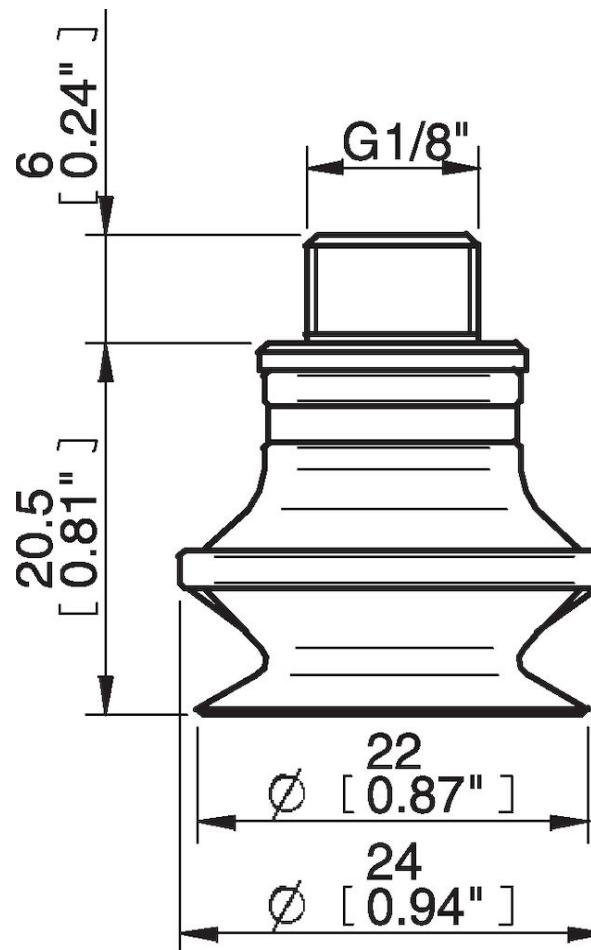
B20	Vertical (lb)	Parallel (lb)
5.91 -inHg	1.33	0.65
17.72 -inHg	2.20	1.21
26.58 -inHg	3.15	1.85

Material	
Name	HNBR 50° Shore A
Color	Blue
Temperature, min. °F	-22.0
Temperature max. °F	284.0
Hardness °Shore A	50

Material resistance

Alcohol	Good
Concentrated acids	Fair
Ethanol	n/a
Hydrolysis	Good
Methanol	n/a
Oil	Excellent
Oxidation	Excellent
Gasoline	Excellent
Wear resistance	Excellent
Weather and ozone	Excellent

Dimensional drawings



Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

Accessories

02AE | Fitting 5xM5 female
B20.20 | Suction cup B20 Silicone
02CD | Fitting G1/8" male/M5 female, PA
02AA | Fitting M5 female
02AD | Fitting G1/8" male/M5 female
02AB | Fitting G1/8" male, with mesh filter
02AC | Fitting 1/8" NPT male, with mesh filter
02DA | Fitting M5 female, with dual flow control valve
02DC | Fitting 1/8" NPT male, with dual flow control valve
02DD | Fitting G1/8" male/M5 female, with dual flow control valve
02DE | Fitting 5xM5 female, with dual flow control valve

Spare parts

02AF | Fitting G1/8" male/M5 female, with mesh filter
B20.47 | Suction cup B20 HNBR