

U20

U20

Universal suction cup

- Suitable for objects with flat or slightly curved surfaces.
- Also used for concave objects.



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 -inHg	6 -inHg	18 -inHg	27 -inHg				
0.86	1.33	2.70	3.60	1.33	1.98	2.20	0.06	0.51	0.10	0.04

Material specifications

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

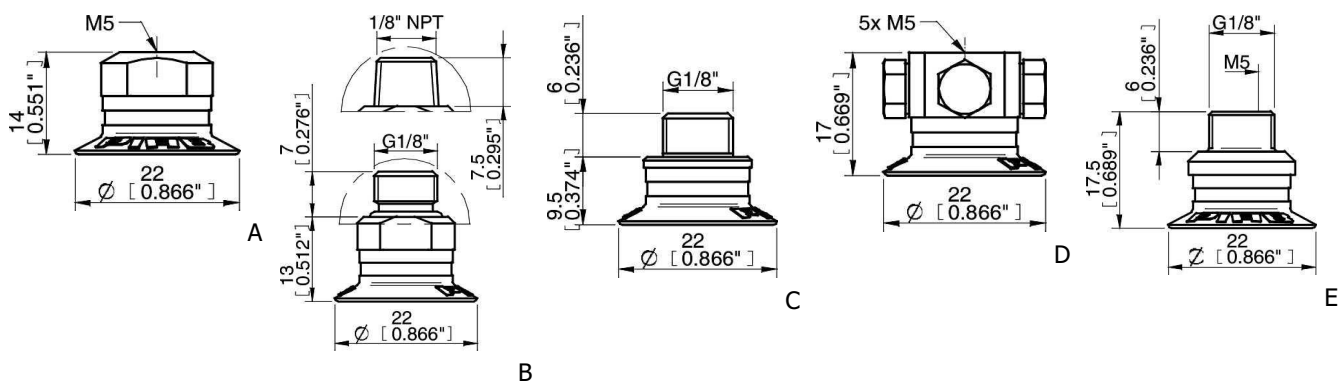
*For a shorter period of time up to 320°F

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

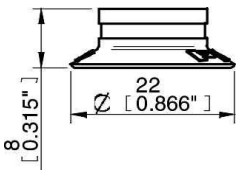
Suction cups with fitting		Part No.
A	Suction cup U20 Chloroprene, M5 female	U20.10.02AA
A	Suction cup U20 Chloroprene, M5 female, with dual flow control valve	U20.10.02DA
B	Suction cup U20 Chloroprene, G1/8" male, with mesh filter	U20.10.02AB
B	Suction cup U20 Chloroprene, G1/8" male, with dual flow control valve	U20.10.02DB
B	Suction cup U20 Chloroprene, 1/8" NPT male, with mesh filter	U20.10.02AC
C	Suction cup U20 Chloroprene, G1/8" male/M5 female	U20.10.02AD
C	Suction cup U20 Chloroprene, G1/8" male/M5 female, with mesh filter	U20.10.02AF
C	Suction cup U20 Chloroprene, G1/8" male/M5 female, with dual flow control valve	U20.10.02DD
D	Suction cup U20 Chloroprene, 5xM5 female	U20.10.02AE
A	Suction cup U20 Silicone, M5 female	U20.20.02AA
A	Suction cup U20 Silicone, M5 female, with dual flow control valve	U20.20.02DA
B	Suction cup U20 Silicone, G1/8" male, with mesh filter	U20.20.02AB
B	Suction cup U20 Silicone, G1/8" male, with dual flow control valve	U20.20.02DB
B	Suction cup U20 Silicone, 1/8" NPT male, with mesh filter	U20.20.02AC
C	Suction cup U20 Silicone, G1/8" male/M5 female	U20.20.02AD
C	Suction cup U20 Silicone, G1/8" male/M5 female, with mesh filter	U20.20.02AF
D	Suction cup U20 Silicone, 5xM5 female	U20.20.02AE
D	Suction cup U20 Silicone, 5xM5 female, with dual flow control valve	U20.20.02DE
A	Suction cup U20 HNBR, M5 female	U20.47.02AA
A	Suction cup U20 HNBR, M5 female, with dual flow control valve	U20.47.02DA
B	Suction cup U20 HNBR, G1/8" male, with mesh filter	U20.47.02AB
B	Suction cup U20 HNBR, G1/8" male, with mesh filter and dual flow control valve	U20.47.02DB
B	Suction cup U20 HNBR, 1/8" NPT male, with mesh filter	U20.47.02AC
B	Suction cup U20 HNBR, 1/8" NPT male, with mesh filter and dual flow control valve	U20.47.02DC
C	Suction cup U20 HNBR, G1/8" male/M5 female	U20.47.02AD
C	Suction cup U20 HNBR, G1/8" male/M5 female, with mesh filter	U20.47.02AF
C	Suction cup U20 HNBR, G1/8" male/M5 female, with dual flow control valve	U20.47.02DD
D	Suction cup U20 HNBR, 5xM5 female	U20.47.02AE
D	Suction cup U20 HNBR, 5xM5 female, with dual flow control valve	U20.47.02DE
E	Suction cup U20 Chloroprene, G1/8" male/M5 female, PA	U20.10.02CD
E	Suction cup U20 Silicone, G1/8" male/M5 female, PA	U20.20.02CD



Rubber parts

Part No.

Suction cup U20 Chloroprene	U20.10
Suction cup U20 Silicone	U20.20
Suction cup U20 HNBR	U20.47



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