

# Datasheet

## Suction cup F30-2 Chloroprene, 1/8" NPT male, with mesh filter

Item number: F30-2.10.02AC



- Suitable for flat objects.
- Good stability and little inherent movement.
- Recommended when the lifting force is parallel to the surface of the object.
- Cleats prevent thin, sensitive objects from being deformed and gives extra friction when the lifting force is parallel.

### Technical data

Description	Unit	Value
Suction cup shape	-	Flat
Application	-	Dry sheet metal
Suction cup design	-	Round
Characteristics	-	Dry sheet metal
Material	-	Chloroprene (CR)
Weight, min.	oz	0.078
Suction cup model	-	F
Volume	in <sup>3</sup>	0.12
Height	in	0.88
Outer diameter, min.	in	1.26
Fitting size	-	1/8"
Fitting option	-	Filter mesh
Fitting style	-	Male
Fitting type	-	NPT-thread
Suction cup model	-	F30-2
Movement, vertical max.	in	0.11
Curve radius, min.	in	0.98

### Performance - Lifting forces

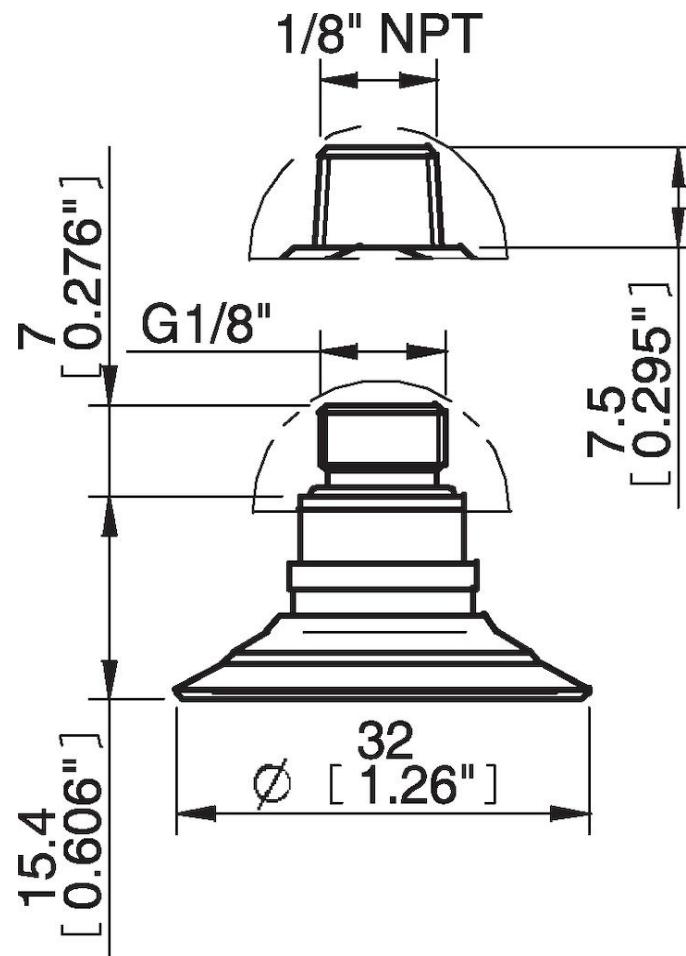
	Vertical (lb)	Parallel (lb)
F30-2		
5.91 -inHg	2.70	2.47
17.72 -inHg	5.62	3.60
26.58 -inHg	6.97	4.50

<b>Material</b>	
Name	Chloroprene (CR) 50° Shore A
Color	Black
Temperature, min.   °F	-40.0
Temperature max.   °F	230.0
Hardness   °Shore A	50

#### Material resistance

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

#### 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  
F30-2.20 | Suction cup F30-2 Silicone  
02AF | Fitting G1/8" male/M5 female, with mesh filter  
02UV | Fitting G1/8" male/M5 female, with cone valve  
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  
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  
31.50.239 | Suction cup F30-2 Chloroprene, for fitting with cone valve  
3150239S | Suction cup F30-2 Silicone, for fitting with cone valve

## Spare parts

F30-2.10 | Suction cup F30-2 Chloroprene  
02AC | Fitting 1/8" NPT male, with mesh filter