

# Suction cup F30-2 Chloroprene, 1/8" NPT male, with dual flow control valve

Item number: F30-2.10.02DC



- 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                  | in³  | 0.12                                 |
| Leakage flow, max.      | scfm | 0.13                                 |
| Height                  | in   | 0.88                                 |
| Outer diameter, min.    | in   | 1.26                                 |
| Fitting size            | -    | 1/8"                                 |
| Fitting option          | -    | Dual flow control valve, Filter mesh |
| Fitting style           | -    | Male                                 |
| Fitting type            | -    | NPT-thread                           |
| Valve restriction       | in   | 0.028                                |
| Restricted vacuum flow  | scfm | 1.48                                 |
| Suction cup model       | -    | F30-2                                |
| Movement, vertical max. | in   | 0.11                                 |
| Curve radius, min.      | in   | 0.98                                 |

Performance - Lifting forces

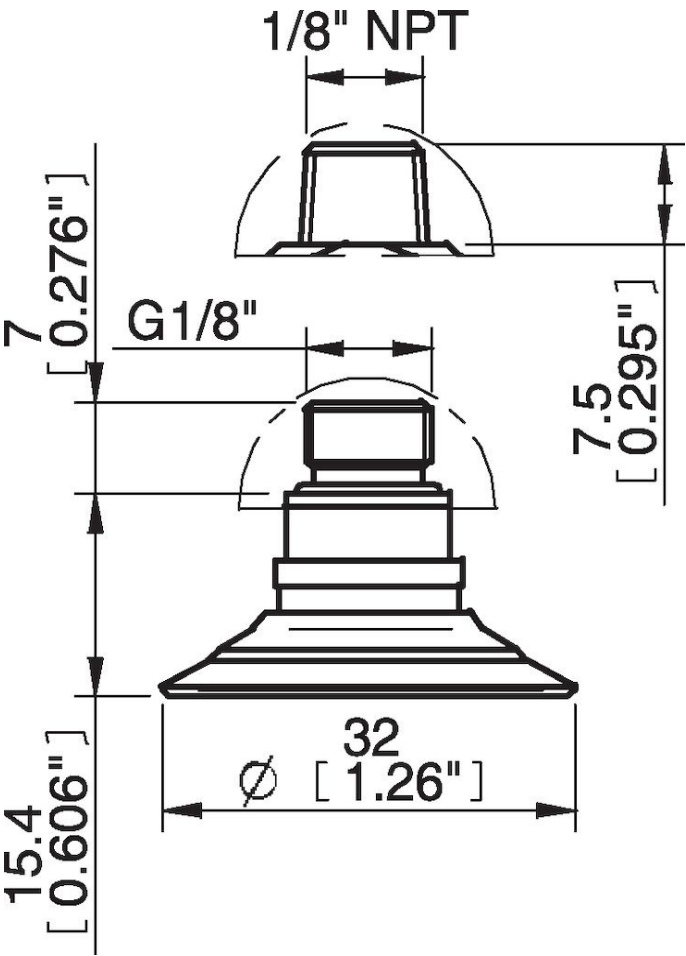
| F30-2       | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| 5.91 -inHg  | 2.70          | 2.47          |
| 17.72 -inHg | 5.62          | 3.60          |
| 26.58 -inHg | 6.97          | 4.50          |

| Material               |                              |
|------------------------|------------------------------|
| 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

02AC | Fitting 1/8" NPT male, with mesh filter

02DA | Fitting M5 female, 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

02DC | Fitting 1/8" NPT male, with dual flow control valve