

# Suction cup F40-2 Silicone, 1/8" NPSF female, with dual flow control valve, F40-2.20.04DA



- 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.



## General

|                         |                      |
|-------------------------|----------------------|
| Curve radius            | 2.05 in              |
| Movement, vertical max. | 0.07 in              |
| Application             | Dry sheet metal      |
| Leakage flow, max.      | 0.28 scfm            |
| Material                | Silicone (SIL)       |
| Suction cup model       | F                    |
| Suction cup shape       | Flat                 |
| Valve restriction       | 0.04 in              |
| Volume                  | 0.29 in <sup>3</sup> |
| Weight                  | 0.19 oz              |

## Fitting

|                |                         |
|----------------|-------------------------|
| Fitting size   | 1/8"                    |
| Fitting style  | Female                  |
| Fitting type   | NPSF-thread             |
| Fitting option | Dual flow control valve |

## Dimension

|                          |         |
|--------------------------|---------|
| Height                   | 0.83 in |
| Outer diameter           | 1.65 in |
| Outer diameter, actuated | 1.72 in |

## Performance — lifting forces

|          |  |  |
|----------|---|---|
| 6 -inHg  | 4.5 lbf   | 3.37 lbf  |
| 18 -inHg | 8.99 lbf  | 5.62 lbf  |
| 27 -inHg | 11.2 lbf  | 6.74 lbf  |

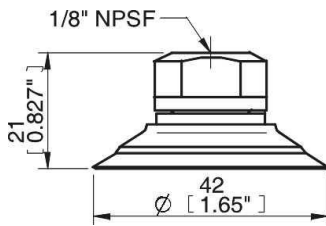
## Material

|             |                |
|-------------|----------------|
|             | Silicone (SIL) |
| Color       | Red            |
| Hardness    | 50 Shore A     |
| Temperature | -40 – 392 °F   |

## Material resistance

|                    |                |
|--------------------|----------------|
|                    | Silicone (SIL) |
| Alcohol            | ++             |
| Concentrated acids | -              |
| Ethanol            | N/A            |
| Hydrolysis         | +              |
| Methanol           | N/A            |
| Oil                | -              |
| Oxidation          | +++            |
| Gasoline           | -              |
| Wear resistance    | ++             |
| Weather and ozone  | +++            |

## Dimensional drawings



## Spare parts

|   |          |
|---|----------|
|   | Part no. |
| Fitting 1/8" NPSF female, 30-40, with dual flow control valve | 04DA     |
| Suction cup F40-2 Silicone                                    | F40-2.20 |

## Accessories

|   | Part no. |
|---|----------|
| Fitting 1/4" NPT male, with dual flow control valve             | 04DC     |
| Fitting 1/4" NPT male, with mesh filter                         | 04AC     |
| Fitting 1/8" NPSF female, 30-40                                 | 04AA     |
| Fitting 1/8" NPSF female, 30-40, PA                             | 04CA     |
| Fitting 1/8" NPSF female, 30-40, with cone valve                | 04UV     |
| Fitting 1/8" NPSF female, 30-40, with mesh filter               | 04AG     |
| Fitting 3/8" NPT male, with dual flow control valve             | 04DE     |
| Fitting 3/8" NPT male, with mesh filter                         | 04AE     |
| Fitting 5x1/8" NPSF female, 30-40                               | 04AF     |
| Fitting 5x1/8" NPSF female, 30-40, with dual flow control valve | 04DF     |
| Fitting G1/4" male, 30-40, with mesh filter                     | 04AB     |
| Fitting G1/4" male, 30-40, with dual flow control valve         | 04DB     |
| Fitting G3/8" male, 30-40, with dual flow control valve         | 04DD     |
| Fitting G3/8" male, 30-40, with mesh filter                     | 04AD     |
| Suction cup F40-2 Nitrile-PVC                                   | F40-2.30 |