

# Suction cup BFFT120P Polyurethane 60/60/30, G3/8" female with mesh filter

Item number: BFFT120P.5V.G70MR



Technical data

| Description              | Unit            | Value                    |
|--------------------------|-----------------|--------------------------|
| Suction cup shape        | -               | Bellows                  |
| Application              | -               | Oily sheet metal         |
| Suction cup design       | -               | Round                    |
| Characteristics          | -               | Oily sheet metal         |
| Material                 | -               | Polyurethane (PU)        |
| Weight, min.             | oz              | 5.93                     |
| Suction cup model        | -               | BFFT                     |
| Volume                   | in <sup>3</sup> | 10.10                    |
| Height                   | in              | 2.41                     |
| Height 2 (Actuated)      | in              | 1.38                     |
| Outer diameter, min.     | in              | 4.72                     |
| Outer diameter, actuated | in              | 4.88                     |
| Fitting size             | -               | 3/8"                     |
| Fitting option           | -               | Filter mesh              |
| Fitting style            | -               | Female                   |
| Fitting type             | -               | G-thread                 |
| Fitting material         | -               | Al                       |
| Suction cup model        | -               | BFFT120 Dry metal sheet  |
| Movement, vertical max.  | in              | 1.024                    |
| Curve radius, min.       | in              | 2.95                     |
| Suction cup model        | -               | BFFT120 Oily metal sheet |
| Movement, vertical max.  | in              | 1.024                    |
| Curve radius, min.       | in              | 2.95                     |

Performance - Lifting forces

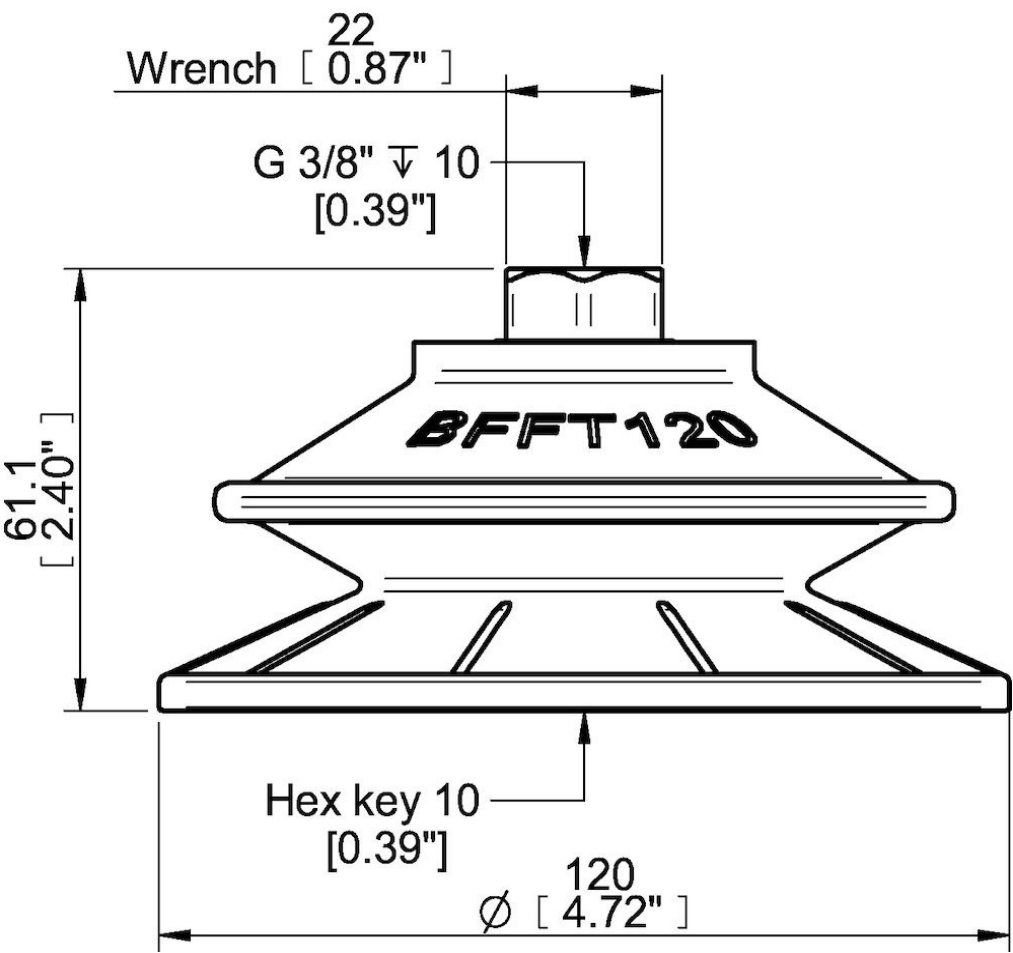
|                          | Vertical (lb) | Parallel (lb) |
|--------------------------|---------------|---------------|
| BFFT120 Dry metal sheet  |               |               |
| 17.72 -inHg              | 75.99         | 93.071        |
| 26.58 -inHg              | 77.78         | 131.51        |
| BFFT120 Oily metal sheet |               |               |
| 17.72 -inHg              | 75.31         | 47.66         |
| 26.58 -inHg              | 76.44         | 65.42         |

| Material               |                     |                     |                     |
|------------------------|---------------------|---------------------|---------------------|
| Name                   | Polyurethane (PU30) | Polyurethane (PU60) | Polyurethane (PU60) |
| Color                  | Yellow              | Green transparent   | Orange              |
| Temperature, min.   °F | 50.0                | 50.0                | 50.0                |
| Temperature max.   °F  | 122.0               | 122.0               | 122.0               |
| Hardness   °Shore A    | 30                  | 60                  | 60                  |

Material resistance

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