## Suction cup B75-2 Silicone with filter, 0101943



- Suitable for level adjustment. Several short bellows in one lifting device can handle objects with height differences and varying shapes, for example embossed or corrugated plates.
- Lifting movement to separate small and thin objects.
- Only lightweight objects should be handled when the lifting force is parallel to the surface of the object, in order to achieve good precision and safe lifting movement.


## General

| Curve radius | 40 mm |
| :--- | :--- |
| Movement, vertical max. | 24 mm |
| Application | Plastic injection molded parts, Dry sheet metal |
| Material | Silicone (SIL) |
| Suction cup model | B |
| Suction cup shape | Bellows |
| Volume | $110 \mathrm{~cm}^{3}$ |
| Weight | $\mathbf{4 2 ~ g}$ |

Fitting

| Fitting size | None |
| :--- | :--- |
| Fitting style | None |
| Fitting type | None |
| Fitting option | Filter |

Dimension

| Height | $\mathbf{3 7} \mathrm{mm}$ |
| :--- | :--- |
| Outer diameter | 78 mm |

Performance - lifting forces

|  | 62.4 N |
| :--- | :--- |
| $20-\mathrm{kPa}$ | 74 N |
| $60-\mathrm{kPa}$ | 167 N |
| $90-\mathrm{kPa}$ | 226 N |

## Material

|  | Silicone (SIL) |
| :--- | :--- |
| Colour | Red |
| Hardness | $50^{\circ}$ Shore A |
| Temperature | $-40-200^{\circ} \mathrm{C}$ |

## Material resistance

|  | Silicone (SIL) |
| :--- | :--- |
| Alcohol | $\mathbf{+ +}$ |
| Concentrated acids | - |
| Ethanol | N/A |
| Hydrolysis | $\mathbf{+}$ |
| Methanol | - |
| Oil | $\mathbf{+ + +}$ |
| Oxidation | - |
| Petrol | $\mathbf{+ +}$ |
| Wear resistance | $\mathbf{+ + +}$ |

Dimensional drawings


Values specified in the data sheet are tested at:

| Room temperature | $\left(20^{\circ} \mathrm{C}\left[68^{\circ} \mathrm{F}\right] \pm 3^{\circ} \mathrm{C}\left[5.5^{\circ} \mathrm{F}\right]\right)$ |
| :--- | :--- |
| Standard atmosphere | $(101.3[29.9 \mathrm{inHg}] \pm 1.0 \mathrm{kPa}[0.3 \mathrm{inHg}])$ |
| Relative humidity | $0-100 \%$ |
| Compressed air quality | DIN ISO 8573-1 class 4 |

## Spare parts

|  | Item no. |
| :--- | :--- |
| Filter $D=80,10 \mathrm{pcs}$, for B75-2 | 0201149 |

## Accessories

Item no.

| Fitting 1/4" NPT female Al, with mesh filter \& | 0127821 |
| :--- | :--- |
| $10-32$ addl. conn. | 0127819 |
| Fitting 1/8" NPSF female Al, with mesh filter | 0100548 |
| Fitting 75, 1/8" NPSF female, with mesh filter | 0.053 |
| Fitting 75, 3/8" NPSF female, with mesh filter | 0100553 |
| Fitting 75, G1/2" female, with mesh filter | 0100555 |
| Fitting 75, G3/8" female, with mesh filter | 0100551 |
| Fitting G1/2" female Al, with mesh filter | 0127820 |

