

# SUCTION CUPS / Deep Flat

## VDF100

### Features and Strengths

Highly fast operation in automobile, glass and wooden panel industry  
Excellent for oily surface products and convex products  
Innovatively designed for slightly curved and flat material

### Examples of use

Metal sheets, Car panel, Press metal sheets, Panel,  
Electronic goods, Flat&curved glass



### Recommended Lifting Force (Max.)

| Model  | Volume (cm <sup>3</sup> ) | Lifting Force (Kg) - Perpendicular |          |          | Lifting Force (Kg) - Parallel |          |          |
|--------|---------------------------|------------------------------------|----------|----------|-------------------------------|----------|----------|
|        |                           | - 20 kPa                           | - 60 kPa | - 90 kPa | - 20 kPa                      | - 60 kPa | - 90 kPa |
| VDF100 | 94.00                     | 12.60                              | 30.80    | 41.70    | 12.30                         | 28.20    | 39.60    |

※ The lifting force above does not include safety factor

### Material Specifications

| Material     | Hardness Shore (°) | Color              | Temperature (°C) |
|--------------|--------------------|--------------------|------------------|
| Polyurethane | 60                 | Translucent Orange | 0~60             |

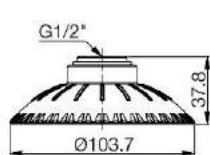
※ For additional material, see page 32~33

### Material Resistance

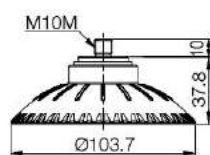
| Description     | Polyurethane |
|-----------------|--------------|
| Wear Resistance | Excellent    |
| Oil             | Excellent    |
| Weather / Ozone | Excellent    |
| Alcohol         | Fair         |
| Acid            | Fair         |

### Dimension

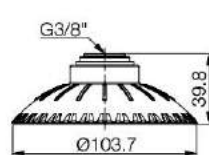
[ Unit : mm ]



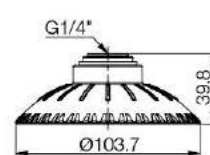
[With 12F fitting]



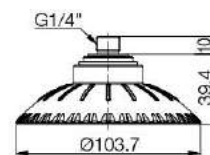
[With M10M fitting]



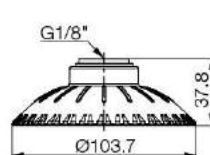
[With 38F fitting]



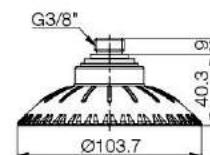
[With 14F fitting]



[With 14M fitting]



[With 18F fitting]



[With 38M fitting]



## I Build an Ordering No.

VDF100 -  -  : Pre-mounted fitting

**1. Suction Cup**

| 1. Suction cup | Description                                                                | Weight (g) | Symbol                         |
|----------------|----------------------------------------------------------------------------|------------|--------------------------------|
|                | Deep-flat suction cup, 100mm diameter, Polyurethane, M10xP1.5 male fitting | 63.15      | <a href="#">VDF100-PU-M10M</a> |
|                | Deep-flat suction cup, 100mm diameter, Polyurethane, G1/8 female fitting   | 59.42      | <a href="#">VDF100-PU-18F</a>  |
|                | Deep-flat suction cup, 100mm diameter, Polyurethane, G1/4 female fitting   | 57.14      | <a href="#">VDF100-PU-14F</a>  |
|                | Deep-flat suction cup, 100mm diameter, Polyurethane, G1/4 male fitting     | 64.23      | <a href="#">VDF100-PU-14M</a>  |
|                | Deep-flat suction cup, 100mm diameter, Polyurethane, G3/8 female fitting   | 56.52      | <a href="#">VDF100-PU-38F</a>  |
|                | Deep-flat suction cup, 100mm diameter, Polyurethane, G3/8 male fitting     | 64.23      | <a href="#">VDF100-PU-38M</a>  |
|                | Deep-flat suction cup, 100mm diameter, Polyurethane, G1/2 female fitting   | 53.32      | <a href="#">VDF100-PU-12F</a>  |