

# SUCTION CUPS / Multi Bellows & Flat

## VBF100



### 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 panels, Press metal sheets,  
 Glass, Carton boxes, Electronic goods



### 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
VBF100	103.50	14.90	27.10	30.90	11.40	21.40	28.20

※ The lifting force above does not include safety factor

### Material Specifications

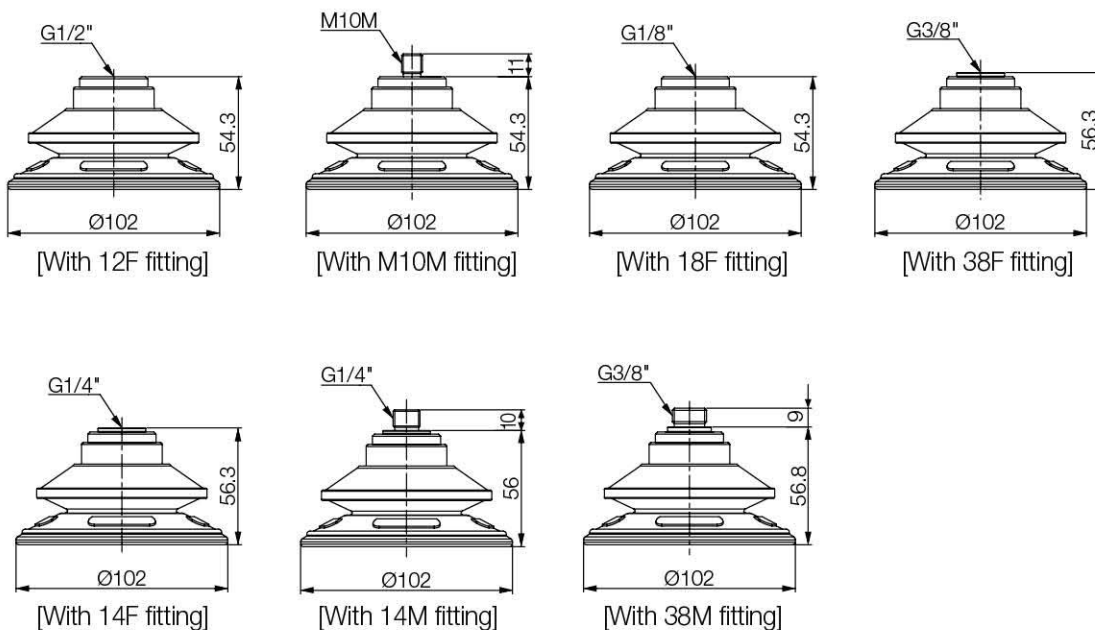
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Blue	-20~110
Silicone	55	Red	-70~200
Polyurethane	60	Translucent Orange	0~60

### Material Resistance

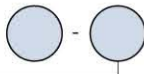
Description	NBR	Silicone	Polyurethane
Wear Resistance	Excellent	Good	Excellent
Oil	Excellent	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent
Alcohol	Good	Good	Fair
Acid	Fair	Poor	Fair

### Dimension

[ Unit : mm ]



## Build an Ordering No.

VBF100 -  : Pre-mounted fitting  
**1. Suction Cup**

1. Suction cup	Description	Weight (g)	Symbol
	Bellows-flat suction cup, 100mm diameter, Nitrile (NBR), M10xP1.5 male fitting	128.24	VBF100-N-M10M
	Bellows-flat suction cup, 100mm diameter, Silicone, M10xP1.5 male fitting	117.47	VBF100-S-M10M
	Bellows-flat suction cup, 100mm diameter, Polyurethane, M10xP1.5 male fitting	126.2	VBF100-PU-M10M
	Bellows-flat suction cup, 100mm diameter, Nitrile (NBR), G1/8 female fitting	120.8	VBF100-N-18F
	Bellows-flat suction cup, 100mm diameter, Silicone, G1/8 female fitting	111.25	VBF100-S-18F
	Bellows-flat suction cup, 100mm diameter, Polyurethane, G1/8 female fitting	117.47	VBF100-PU-18F
	Bellows-flat suction cup, 100mm diameter, Nitrile (NBR), G1/4 female fitting	115.65	VBF100-N-14F
	Bellows-flat suction cup, 100mm diameter, Silicone, G1/4 female fitting	108.2	VBF100-S-14F
	Bellows-flat suction cup, 100mm diameter, Polyurethane, G1/4 female fitting	113.2	VBF100-PU-14F
	Bellows-flat suction cup, 100mm diameter, Nitrile (NBR), G1/4 male fitting	125.77	VBF100-N-14M
	Bellows-flat suction cup, 100mm diameter, Silicone, G1/4 male fitting	117.02	VBF100-S-14M
	Bellows-flat suction cup, 100mm diameter, Polyurethane, G1/4 male fitting	123.12	VBF100-PU-14M
	Bellows-flat suction cup, 100mm diameter, Nitrile (NBR), G3/8 female fitting	119.13	VBF100-N-38F
	Bellows-flat suction cup, 100mm diameter, Silicone, G3/8 female fitting	108.82	VBF100-S-38F
	Bellows-flat suction cup, 100mm diameter, Polyurethane, G3/8 female fitting	116.62	VBF100-PU-38F
	Bellows-flat suction cup, 100mm diameter, Nitrile (NBR), G3/8 male fitting	124.08	VBF100-N-38M
	Bellows-flat suction cup, 100mm diameter, Silicone, G3/8 male fitting	116.91	VBF100-S-38M
	Bellows-flat suction cup, 100mm diameter, Polyurethane, G3/8 male fitting	123.9	VBF100-PU-38M
	Bellows-flat suction cup, 100mm diameter, Nitrile (NBR), G1/2 female fitting	111.85	VBF100-N-12F
	Bellows-flat suction cup, 100mm diameter, Silicone, G1/2 female fitting	98.5	VBF100-S-12F
	Bellows-flat suction cup, 100mm diameter, Polyurethane, G1/2 female fitting	112.24	VBF100-PU-12F