

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 ³)	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

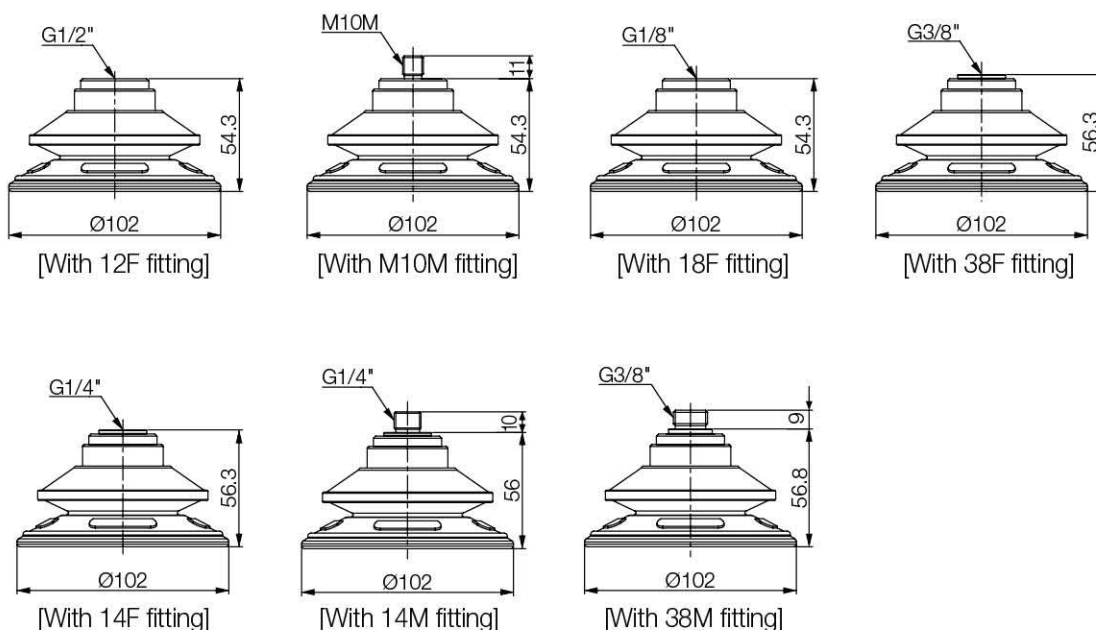
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Blue	-20~110
Silicone	55	Red	-70~200
Polyurethane	60	Translucent Orange	0~60

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.



: 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

