

SUCTION CUPS / Multi Bellows & Flat

VBF50

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, Carton boxes, Furniture, Wood panel



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
VBF50	11.00	4.18	13.20	16.28	2.09	9.60	14.70

※ The lifting force above does not include safety factor

Material Specifications

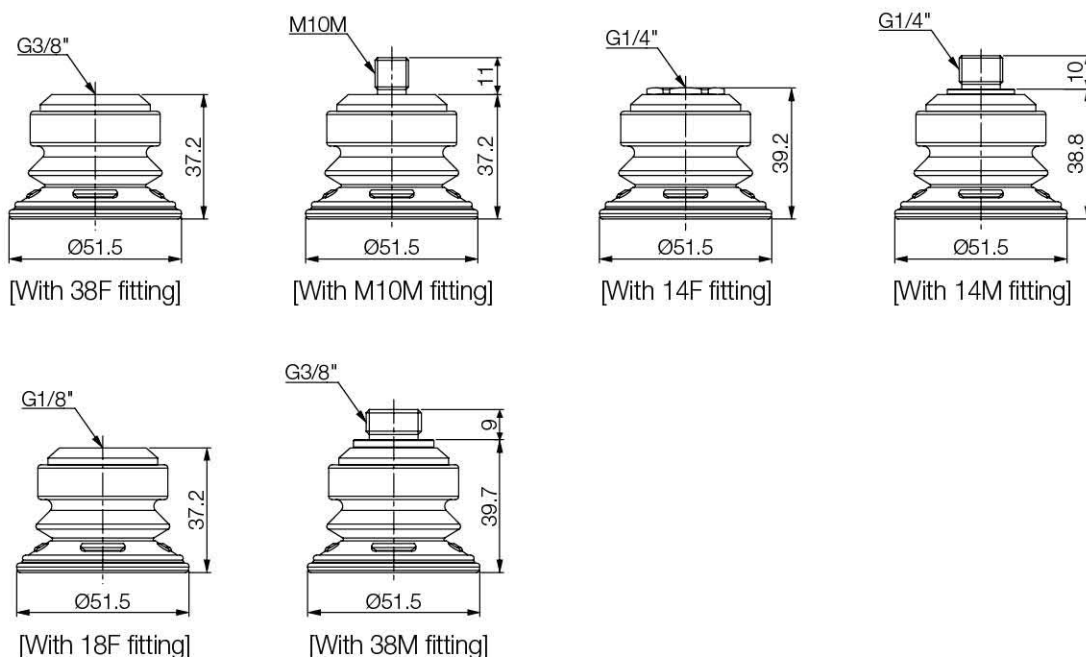
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Blue	-20~110
Silicone	55	Red	-70~200
Polyurethane	60	Translucent Orange	0~60

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	Description	Weight (g)	Symbol
	Bellows-flat suction cup, 50mm diameter, Nitrile (NBR), M10xP1.5 male fitting	46.21	VBF50-N-M10M
	Bellows-flat suction cup, 50mm diameter, Silicone, M10xP1.5 male fitting	46.7	VBF50-S-M10M
	Bellows-flat suction cup, 50mm diameter, Polyurethane, M10xP1.5 male fitting	50.16	VBF50-PU-M10M
	Bellows-flat suction cup, 50mm diameter, Nitrile (NBR), G1/8 female fitting	48.4	VBF50-N-18F
	Bellows-flat suction cup, 50mm diameter, Silicone, G1/8 female fitting	43.3	VBF50-S-18F
	Bellows-flat suction cup, 50mm diameter, Polyurethane, G1/8 female fitting	47.19	VBF50-PU-18F
	Bellows-flat suction cup, 50mm diameter, Nitrile (NBR), G1/4 female fitting	47.79	VBF50-N-14F
	Bellows-flat suction cup, 50mm diameter, Silicone, G1/4 female fitting	41.34	VBF50-S-14F
	Bellows-flat suction cup, 50mm diameter, Polyurethane, G1/4 female fitting	45	VBF50-PU-14F
	Bellows-flat suction cup, 50mm diameter, Nitrile (NBR), G1/4 male fitting	52.34	VBF50-N-14M
	Bellows-flat suction cup, 50mm diameter, Silicone, G1/4 male fitting	47.72	VBF50-S-14M
	Bellows-flat suction cup, 50mm diameter, Polyurethane, G1/4 male fitting	51.13	VBF50-PU-14M
	Bellows-flat suction cup, 50mm diameter, Nitrile (NBR), G3/8 female fitting	42.64	VBF50-N-38F
	Bellows-flat suction cup, 50mm diameter, Silicone, G3/8 female fitting	42.37	VBF50-S-38F
	Bellows-flat suction cup, 50mm diameter, Polyurethane, G3/8 female fitting	44.89	VBF50-PU-38F
	Bellows-flat suction cup, 50mm diameter, Nitrile (NBR), G3/8 male fitting	50.49	VBF50-N-38M
	Bellows-flat suction cup, 50mm diameter, Silicone, G3/8 male fitting	49.59	VBF50-S-38M
	Bellows-flat suction cup, 50mm diameter, Polyurethane, G3/8 male fitting	52.74	VBF50-PU-38M