

SUCTION CUPS / Multi Bellows & Flat

VBF40



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
VBF40	7.20	2.50	9.66	12.80	1.18	6.50	11.30

※ The lifting force above does not include safety factor

Material Specifications

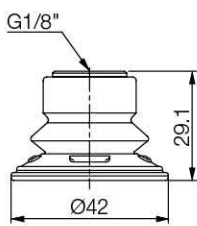
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Blue	-20~110
Silicone	55	Red	-70~200
Polyurethane	60	Translucent Orange	0~60

Material Resistance

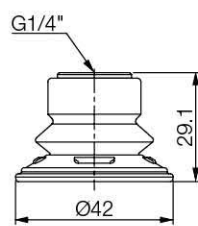
Description	NBR	Silicone	Polyurethane
Wear Resistance	Excellent	Good	Excellent
Oil	Excellent	Poor	Excellent
Weather / Ozone	Fair	Excellent	Excellent
Alcohol	Good	Good	Fair
Acid	Fair	Poor	Fair

Dimension

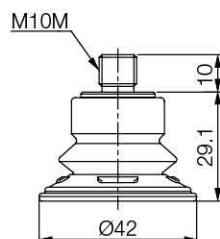
[Unit : mm]



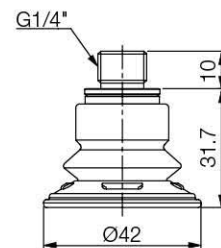
[With 18F fitting]



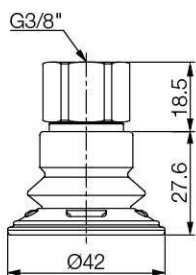
[With 14F fitting]



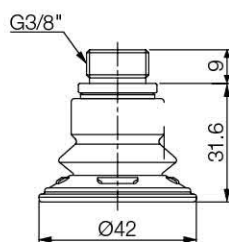
[With M10M fitting]



[With 14M fitting]



[With 38F fitting]



[With 38M fitting]

Build an Ordering No.



: Pre-mounted fitting

1. Suction cup	Description	Weight (g)	Symbol
	Bellows-flat suction cup, 40mm diameter, Nitrile (NBR), M10xP1.5 male fitting	19	VBF40-N-M10M
	Bellows-flat suction cup, 40mm diameter, Silicone, M10xP1.5 male fitting	19.2	VBF40-S-M10M
	Bellows-flat suction cup, 40mm diameter, Polyurethane, M10xP1.5 male fitting	20.62	VBF40-PU-M10M
	Bellows-flat suction cup, 40mm diameter, Nitrile (NBR), G1/8 female fitting	17.66	VBF40-N-18F
	Bellows-flat suction cup, 40mm diameter, Silicone, G1/8 female fitting	16.4	VBF40-S-18F
	Bellows-flat suction cup, 40mm diameter, Polyurethane, G1/8 female fitting	17.85	VBF40-PU-18F
	Bellows-flat suction cup, 40mm diameter, Nitrile (NBR), G1/4 female fitting	15.57	VBF40-N-14F
	Bellows-flat suction cup, 40mm diameter, Silicone, G1/4 female fitting	13.47	VBF40-S-14F
	Bellows-flat suction cup, 40mm diameter, Polyurethane, G1/4 female fitting	14.66	VBF40-PU-14F
	Bellows-flat suction cup, 40mm diameter, Nitrile (NBR), G1/4 male fitting	21.6	VBF40-N-14M
	Bellows-flat suction cup, 40mm diameter, Silicone, G1/4 male fitting	20.34	VBF40-S-14M
	Bellows-flat suction cup, 40mm diameter, Polyurethane, G1/4 male fitting	21.79	VBF40-PU-14M
	Bellows-flat suction cup, 40mm diameter, Nitrile (NBR), G3/8 female fitting	25.7	VBF40-N-38F
	Bellows-flat suction cup, 40mm diameter, Silicone, G3/8 female fitting	24.44	VBF40-S-38F
	Bellows-flat suction cup, 40mm diameter, Polyurethane, G3/8 female fitting	25.89	VBF40-PU-38F
	Bellows-flat suction cup, 40mm diameter, Nitrile (NBR), G3/8 male fitting	24.09	VBF40-N-38M
	Bellows-flat suction cup, 40mm diameter, Silicone, G3/8 male fitting	22.83	VBF40-S-38M
	Bellows-flat suction cup, 40mm diameter, Polyurethane, G3/8 male fitting	24.28	VBF40-PU-38M