

SUCTION CUPS / Long Multi Bellows

VBL10

Features and Strengths

Widely cover for increased degree of height compensation
Excellent for fragile products

Examples of use

Fragile objects, General food products
Glass, Metal ball, Plastic bag, Bread



Recommended Lifting Force (Max.)

Model	Volume (cm ³)	Lifting Force (Kg) - Perpendicular	
		- 20 kPa	- 60 kPa
VBL10	0.54	0.15	0.34

※ The lifting force above does not include safety factor

Material Specifications

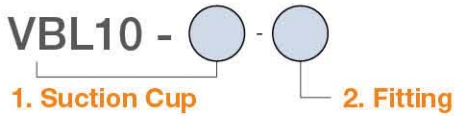
Material	Hardness Shore (°)	Color	Temperature (°C)
NBR	60	Black	-20~110
Silicone	55	Red	-70~200
White Silicone	55	Translucent White	-70~200
White Silicone (FDA)	55	Translucent White	-70~200
High temp. Silicone	50	Blue	-70~280
Conductive Silicone	70	Smoky Black	-45~90
Urethane	60	Dark Green	0~100
Mark Free	75	Black	-10~100

※ For additional material, see page 32~33

Material Resistance

Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane	Mark Free
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent	Good
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Alcohol	Good	Good	Good	Good	Good	Fair	Good
Acid	Fair	Poor	Poor	Poor	Poor	Poor	Excellent

Build an Ordering No.



1. Suction cup	Description	Symbol
	Long multi-bellow suction cup, 10mm diameter, Nitrile (NBR)	VBL10-N
	Long multi-bellow suction cup, 10mm diameter, Silicone	VBL10-S
	Long multi-bellow suction cup, 10mm diameter, White silicone	VBL10-WS
	Long multi-bellow suction cup, 10mm diameter, White silicone (FDA)	VBL10-WS(FDA)
	Long multi-bellow suction cup, 10mm diameter, High temperature silicone	VBL10-HS
	Long multi-bellow suction cup, 10mm diameter, Conductive silicone	VBL10-CS
	Long multi-bellow suction cup, 10mm diameter, Urethane	VBL10-U
	Long multi-bellow suction cup, 10mm diameter, Mark free	VBL10-A
2. Fitting	Description	Symbol
	Fitting, M5 male	M5M
	Efficiency valve, Fitting, M5 male	M5M-EV

Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
VBL10-N	Long multi-bellow suction cup, 10mm diameter, Nitrile (NBR)	0.66	Black
VBL10-S	Long multi-bellow suction cup, 10mm diameter, Silicone	0.62	Red
VBL10-WS	Long multi-bellow suction cup, 10mm diameter, White silicone	0.55	Translucent White
VBL10-WS(FDA)	Long multi-bellow suction cup, 10mm diameter, White silicone (FDA)	0.55	Translucent White
VBL10-HS	Long multi-bellow suction cup, 10mm diameter, High temperature silicone	0.58	Blue
VBL10-CS	Long multi-bellow suction cup, 10mm diameter, Conductive silicone	0.63	Smoky Black
VBL10-U	Long multi-bellow suction cup, 10mm diameter, Urethane	0.59	Dark Green
VBL10-A	Long multi-bellow suction cup, 10mm diameter, Mark free	0.63	Black

Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 000 3102	M5M	M5 male	2.52
350 010 3102	M5M-EV	Efficiency valve, M5 male	2.63