

# SUCTION CUPS / Single Bellows

## VB150

### Features and Strengths

Suitable for smaller objects  
Compensating for a difference in level  
Various materials for a wide range of applications

### Examples of use

Cardboards, Veneer Sheets, Packaging Materials,  
Plastic Sheets, Thin Film Sheets



### Recommended Lifting Force (Max.)

Model	Volume (cm <sup>3</sup> )	Lifting Force (Kg) - Perpendicular		
		- 20 kPa	- 60 kPa	- 90 kPa
VB150	650.00	30.00	70.00	90.10

※ 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

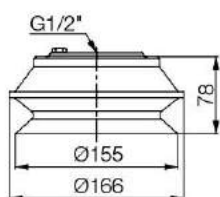
※ For additional material, see page 32~33

### 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

### Dimension

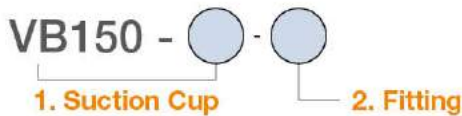
[ Unit : mm ]



[ With 12F fitting ]



## Build an Ordering No.



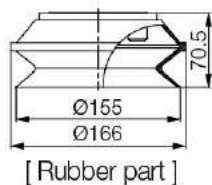
1. Suction cup	Description	Symbol
	Single-bellow suction cup, 150mm diameter, Nitrile (NBR)	VB150-N
	Single-bellow suction cup, 150mm diameter, Silicone	VB150-S
	Single-bellow suction cup, 150mm diameter, White silicone	VB150-WS
	Single-bellow suction cup, 150mm diameter, White silicone (FDA)	VB150-WS(FDA)
	Single-bellow suction cup, 150mm diameter, High temperature silicone	VB150-HS
	Single-bellow suction cup, 150mm diameter, Conductive silicone	VB150-CS
	Single-bellow suction cup, 150mm diameter, Urethane	VB150-U
	Single-bellow suction cup, 150mm diameter, Mark free	VB150-A

2. Fitting	Description	Symbol
	Fitting, G1/2 female	12F
	Fitting, G1/2 female, Mesh filter	M-12F

## Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
VB150-N	Single-bellow suction cup, 150mm diameter, Nitrile (NBR)	460.00	Black
VB150-S	Single-bellow suction cup, 150mm diameter, Silicone	420.00	Red
VB150-WS	Single-bellow suction cup, 150mm diameter, White silicone	422.00	Translucent White
VB150-WS(FDA)	Single-bellow suction cup, 150mm diameter, White silicone (FDA)	422.00	Translucent White
VB150-HS	Single-bellow suction cup, 150mm diameter, High temperature silicone	443.00	Blue
VB150-CS	Single-bellow suction cup, 150mm diameter, Conductive silicone	440.00	Smoky Black
VB150-U	Single-bellow suction cup, 150mm diameter, Urethane	459.95	Dark Green
VB150-A	Single-bellow suction cup, 150mm diameter, Mark free	483	Black



[ Unit : mm ]

## Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 000 3615	12F	G1/2 female	198.93
350 000 4015	12F-F	G1/2 female, Mesh filter	199.73