

SUCTION CUPS / Single Bellows

VB75



Features and Strengths

Suitable for curved surfaces products
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 ³)	Lifting Force (Kg) - Perpendicular		
		- 20 kPa	- 60 kPa	- 90 kPa
VB75	110.00	7.65	17.04	23.06

※ 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
Polyurethane	60	Translucent Orange	0~60

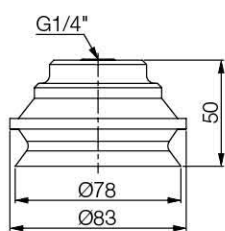
※ For additional material, see page 32~33

Material Resistance

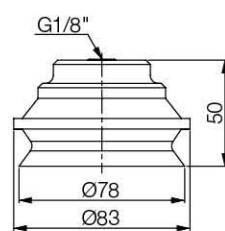
Description	NBR	Silicone	White Silicone	High temp. Silicone	Conductive Silicone	Urethane	Mark Free	Polyurethane
Wear Resistance	Excellent	Good	Good	Good	Good	Excellent	Good	Excellent
Oil	Excellent	Poor	Poor	Poor	Poor	Excellent	Excellent	Excellent
Weather / Ozone	Fair	Excellent	Excellent	Excellent	Excellent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

Dimension

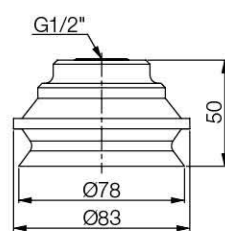
[Unit : mm]



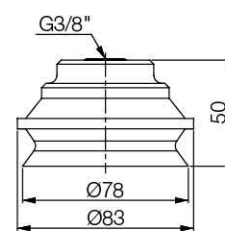
[With 14F fitting]



[With 18F fitting]

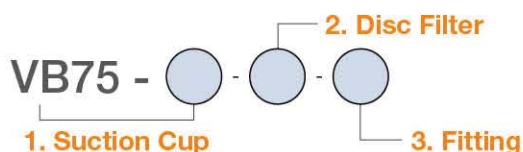


[With 12F fitting]



[With 38F fitting]

I Build an Ordering No.



1. Suction cup	Description	Symbol
	Single-bellow suction cup, 75mm diameter, Nitrile (NBR)	VB75-N
	Single-bellow suction cup, 75mm diameter, Silicone	VB75-S
	Single-bellow suction cup, 75mm diameter, White silicone	VB75-WS
	Single-bellow suction cup, 75mm diameter, White silicone (FDA)	VB75-WS(FDA)
	Single-bellow suction cup, 75mm diameter, High temperature silicone	VB75-HS
	Single-bellow suction cup, 75mm diameter, Conductive silicone	VB75-CS
	Single-bellow suction cup, 75mm diameter, Urethane	VB75-U
	Single-bellow suction cup, 75mm diameter, Mark free	VB75-A
	Single-bellow suction cup, 75mm diameter, Polyurethane	VB75-PU

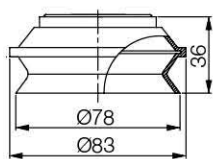
2. Disc Filter	Description	Symbol
	No disc filter	Blank
	Disc filter, Polyethylene	F

3. Fitting	Description	Symbol
	Fitting, G1/8 female	18F
	Fitting, G1/8 female, Mesh filter	M-18F
	Fitting, G1/4 female	14F
	Fitting, G1/4 female, Mesh filter	M-14F
	Fitting, G3/8 female	38F
	Fitting, G3/8 female, Mesh filter	M-38F
	Fitting, G1/2 female	12F
	Fitting, G1/2 female, Mesh filter	M-12F

I Spare Parts – Rubber Parts

Part No.	Description	Weight (g)	Color
VB75-N	Single-bellow suction cup, 75mm diameter, Nitrile (NBR)	66.17	Black
VB75-S	Single-bellow suction cup, 75mm diameter, Silicone	63.28	Red
VB75-WS	Single-bellow suction cup, 75mm diameter, White silicone	63.28	Translucent White
VB75-WS(FDA)	Single-bellow suction cup, 75mm diameter, White silicone (FDA)	63.28	Translucent White
VB75-HS	Single-bellow suction cup, 75mm diameter, High temperature silicone	63.28	Blue
VB75-CS	Single-bellow suction cup, 75mm diameter, Conductive silicone	63.37	Smoky Black
VB75-U	Single-bellow suction cup, 75mm diameter, Urethane	66.17	Dark Green
VB75-A	Single-bellow suction cup, 75mm diameter, Mark free	75.44	Black
VB75-PU	Single-bellow suction cup, 75mm diameter, Polyurethane	68.89	Translucent Orange

[Unit : mm]



[Rubber part]

I Spare Parts – Disc Filter

Part No.	Description	Weight (g)
VTFE-B75	Disc filter, Polyethylene	4.25

I Spare Parts – Fittings

Part No. (Code No.)	Fitting size	Description	Weight (g)
350 000 3323	18F	G1/8 female	59.36
350 000 4323	18F-F	G1/8 female, Mesh filter	59.76
350 000 3423	14F	G1/4 female	56.92
350 000 3823	14F-F	G1/4 female, Mesh filter	57.32
350 000 3523	38F	G3/8 female	55.08
350 000 3923	38F-F	G3/8 female, Mesh filter	55.48
350 000 3623	12F	G1/2 female	51.50
350 000 4023	12F-F	G1/2 female, Mesh filter	51.90