

Suction Cup Fittings (With Pads)

Sponge Type / Bellows Type

Suction Cup Units / Installation Attachments

Sponge Type / Bellows Type

Fixed Type Up: One-Touch (Shape K)

Type	Accessory	Pad Shape	Pad Material
MVSKS	Suction Cups	VPSK	Sponge
MVBKN		VPBT	Bellows
MVBKE		VPBE	Conductive Silicon Rubber

Sponge Type No.10-30 **Bellows Type No.10** **Bellows Type No.20-40**

RoHS 10

Fitting Material: Brass Surface Treatment: Electroless Nickel Plating

Spring Type - Up: One-Touch (Shape T)

Type	Accessory	Pad Shape	Pad Material
MVSTS	Suction Cups	VPSK	Sponge
MVBTN		VPBT	Bellows
MVBTE		VPBE	Conductive Silicon Rubber

Sponge Type No.10-30 **Bellows Type No.10** **Bellows Type No.20-40**

RoHS 10

Fitting Material: Brass Surface Treatment: Electroless Nickel Plating

Part Number	Type	Pad Material	No.	D	d	L1	Shape K	Unit Price
							B L2 M	Mass g
								1 ~ 30 pc(s)
MVSK (Sponge)	S		10	6	10	9.5	37.2 15.1	M14x1.0 31.5
			15	6	15	9.5	37.2 15.1	M14x1.0 32
			20	6	20	15.5	43.2 21.1	M14x1.0 33.5
			25	6	25	15.5	43.2 21.1	M14x1.0 35
			30	6	30	15.5	43.2 21.1	M14x1.0 35

Part Number	Type	Pad Material	No.	D	d	L1	Shape T	Unit Price
							B L2 Mass g Spring Max. Load (N)	1 ~ 30 pc(s)
								7.0~12.6
MVST (Sponge)	S		10	6	10	9.5	61.6 27.5	35
			15	6	15	9.5	61.6 27.5	35.5
			20	6	20	15.5	67.6 33.5	37
			25	6	25	15.5	67.6 33.5	38.5
			30	6	30	15.5	67.6 33.5	38.5

Spring Type Side: One-Touch (Shape L)

Type	Accessory	Pad Shape	Pad Material
MVLS	Suction Cups	VPSK	Sponge
MVBLN		VPBT	Bellows
MVBLE		VPBE	Conductive Silicon Rubber

Sponge Type No.10-30 **Bellows Type No.10** **Bellows Type No.20-40**

RoHS 10

Fitting Material: Brass Surface Treatment: Electroless Nickel Plating

Direct-Mount Spring Type - Screw (Shape S)

Type	Accessory	Pad Shape	Pad Material
MVSS	Suction Cups	VPSK	Sponge
MVBSN		VPBT	Bellows
MVBS		VPBE	Conductive Silicon Rubber

Sponge Type No.10-30 **Bellows Type No.10** **Bellows Type No.20-40**

RoHS 10

Fitting Material: Brass Surface Treatment: Electroless Nickel Plating

Part Number	Type	Pad Material	No.	D	d	L1	Shape L	Unit Price
							B L2 Mass g Spring Max. Load (N)	1 ~ 30 pc(s)
								7.0~12.6
MVSL (Sponge)	S		10	6	10	9.5	59.6 36.5	46.5
			15	6	15	9.5	59.6 36.5	47
			20	6	20	15.5	65.6 42.5	48.5
			25	6	25	15.5	65.6 42.5	50
			30	6	30	15.5	65.6 42.5	50

Part Number	Type	Pad Material	No.	d	L1	Shape S	Unit Price
						B L2 Mass g Spring Max. Load (N)	1 ~ 30 pc(s)
							7.9~15.0
MVSS (Sponge)	S		10	10	9.5	53.5 41.8	54
			15	15	9.5	53.5 41.8	54.5
			20	20	15.5	59.5 47.8	56
			25	25	15.5	59.5 47.8	57.5
			30	30	15.5	59.5 47.8	57.5

Spring Type Long Stroke (Shape R)

Type	Accessory	Pad Shape	Pad Material
MVRS	Suction Cups	VPSK	Sponge
MVBRN		VPBT	Bellows
MVBRE		VPBE	Conductive Silicon Rubber

Sponge Type No.10-30 **Bellows Type No.10-40**

RoHS 10

Fitting Material: Brass Surface Treatment: Electroless Nickel Plating

Part Number	Type	Pad Material	No.	D	d	L1	Shape R	Unit Price
							B L2 Mass g Spring Max. Load (N)	1 ~ 20 pc(s)
								2.0~5.2
MVSR (Sponge)	S		10	6	10	9.5	67.6 33.5	37.5
			15	6	15	9.5	67.6 33.5	38
			20	6	20	15.5	73.6 39.5	39.5
			25	6	25	15.5	73.6 39.5	41
			30	6	30	15.5	73.6 39.5	41

Suction Cup Units

Sponge Type

Bellows Type

RoHS 10

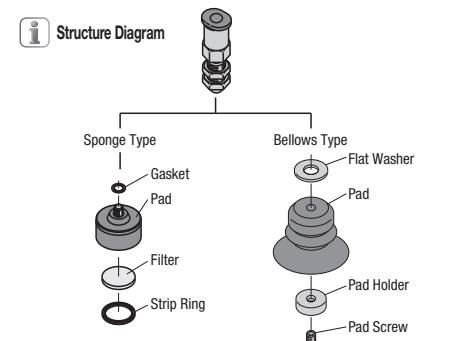
Type	Material	Pad Shape	Hardness	Color
VPSK	Chloroprene Rubber	Sponge	-	Black
VPBT	Nitrile Rubber	Bellows	Shore A55	Black
VPBE	Conductive Silicon Rubber	Bellows	Shore A60	Black

Sponge Type No.10 **No.15** **No.20** **No.25** **No.30**

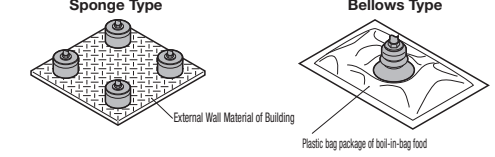
Bellows Type No.10 **No.20** **No.30** **No.40**

Part Number	Type	Applicable Vacuum Fitting MVS	Mounting	Unit Price	Volume Discount Rate
				1 ~ 9 pc(s)	10~30
VPSK		10	Attachment Type		
		15			
		20			
		25			
		30			

Part Number	Type	Applicable Vacuum Fitting MVB	Mounting	Unit Price	Volume Discount Rate
				1 ~ 9 pc(s)	10~30
VPBT		10	Attachment Type		
VPBE		20			
		30			
		40			



- EX Example**
- The Sponge Type is best suited for sticking to workpieces with uneven surfaces.
 - Bellows Type is suitable for suction on soft workpiece such as vinyl.



Installation Attachment

MVPAT4 **MVPAT6**

RoHS 10

Material: Brass Surface Treatment: Electroless Nickel Plating

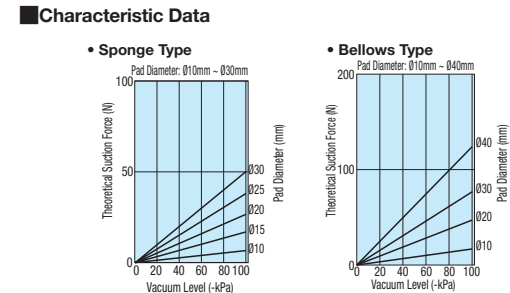
Part Number	Type	Mass (g)	Applicable Pad	Unit Price
				1 ~ 50 pc(s)
MVPAT		4	No.10~No.15	
		6	No.20	

Ordering Example

Part Number: VPSK10

Specifications

Type	VPSK	VPBT	VPBE
Max. Operating Temp.	80°	110°	180°
Min. Operating Temp.	-45°	-30°	-40°
Weather Resistance	○	△	○
Ozone Resistance	○	△	○
Acid Resistance	○	△	○
Alkali Resistance	○	△	○
Oil Resistance (Gasoline, Light Oil)	×	○	△
Resistance (Benzene, Toluene)	△	△	△
Surface Resistivity	-	-	10 ⁴ ~10 ¹⁰ Ω/sq



Cautions for installation of Suction Cup Fittings

For Spring Type, mount Fittings without tightening the Shaft parts with spanner, etc. Otherwise, the Shaft key groove may be deformed, and may cause malfunction.

Ordering Example

Part Number: MVSKS10