

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	Accessories	Pad Shape	Pad Material
MVSKS	Suction Cups	VPSK	Sponge
MVBKN		VPBT	Bellows
MVBKE		VPBE	

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

RoHS 10

Fitting Material: Brass S Surface Treatment: Electroless Nickel Plating

Spring Type
Up: One-Touch
(Shape T)

Type	Accessories	Pad Shape	Pad Material
MVSTS	Suction Cups	VPSK	Sponge
MVBTN		VPBT	Bellows
MVBTE		VPBE	

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

RoHS 10

Fitting Material: Brass S Surface Treatment: Electroless Nickel Plating

Part Number	Type	Pad Material	No.	D	d	L1	Shape K	Unit Price		
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		
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	7.0~12.6
			25	6	25	15.5	67.6	33.5	38.5	
			30	6	30	15.5	67.6	33.5	38.5	

Part Number	Type	Pad Material	No.	D	d	L1	Shape K	Unit Price		
MVBK (Bellows)	NE		10	6	10	16	42.1	20	M12x1.0	21.5
			20	6	20	19	46.7	24.6	M14x1.0	36.5
			30	6	30	23	50.7	28.6	M14x1.0	40
			40	6	40	30	57.7	35.6	M14x1.0	48.5

Part Number	Type	Pad Material	No.	D	d	L1	Shape T	Unit Price		
MVB (Bellows)	NE		10	6	10	16	68.1	34	36	4.0~7.1
			20	6	20	19	71.1	37	39.5	
			30	6	30	23	75.1	41	43.5	7.0~12.6
			40	6	40	30	82.1	48	52	

Spring Type
Side: One-Touch
(Shape L)

Type	Accessories	Pad Shape	Pad Material
MVLS	Suction Cups	VPSK	Sponge
MVBLN		VPBT	Bellows
MVBLE		VPBE	

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

RoHS 10

Fitting Material: Brass S Surface Treatment: Electroless Nickel Plating

Direct-Mount Spring Type - Screw
(Shape S)

Type	Accessories	Pad Shape	Pad Material
MVSS	Suction Cups	VPSK	Sponge
MVBSN		VPBT	Bellows
MVBS		VPBE	

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

RoHS 10

Fitting Material: Brass S Surface Treatment: Electroless Nickel Plating

Part Number	Type	Pad Material	No.	D	d	L1	Shape L	Unit Price		
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	7.0~12.6
			25	6	25	15.5	65.6	42.5	50	

Part Number	Type	Pad Material	No.	d	L1	Shape S	Unit Price		
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	7.9~15.0
			25	25	15.5	59.5	47.8	57.5	

Part Number	Type	Pad Material	No.	D	d	L1	Shape L	Unit Price		
MVBL (Bellows)	NE		10	6	10	16	66.1	43	48	
			20	6	20	19	69.1	46	51.5	
			30	6	30	23	73.1	50	55	7.0~12.6
			40	6	40	30	80.1	57	63.5	

Part Number	Type	Pad Material	No.	d	L1	Shape S	Unit Price		
MVBS (Bellows)	NE		10	10	16	59	47.3	56	
			20	20	19	63	51.3	58.5	7.9~15.0
			30	30	23	67	55.3	62	
			40	40	30	74	62.3	70.5	

Spring Type-Long Stroke
(Shape R)

Type	Accessories	Pad Shape	Pad Material
MVRS	Suction Cups	VPSK	Sponge
MVBRLN		VPBT	Bellows
MVBRE		VPBE	

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

RoHS 10

Fitting Material: Brass S Surface Treatment: Electroless Nickel Plating

Direct-Mount Spring Type - Screw
(Shape R)

Type	Accessories	Pad Shape	Pad Material
MVRS	Suction Cups	VPSK	Sponge
MVBRLN		VPBT	Bellows
MVBRE		VPBE	

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

RoHS 10

Fitting Material: Brass S Surface Treatment: Electroless Nickel Plating

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.

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

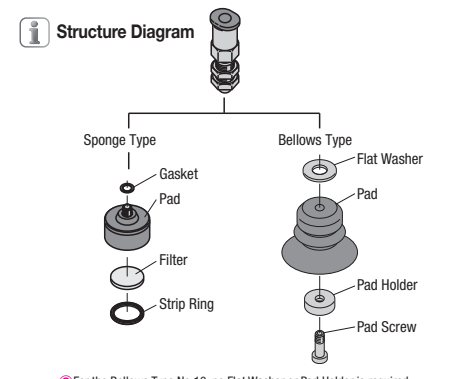
Sponge Type No.10 **No.15** **No.20** **No.25** **No.30**

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

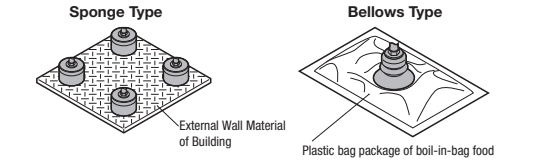
Part Number	Type	Applicable Vacuum Fitting MVS	Mounting	Unit Price	Volume Discount Rate
VPSK		10	10	1-9 pcs.	10 pcs. ~
		15	15		
		20	20		
		25	25		
		30	30		

Not available in combination with vacuum fittings (SRK, SRKN, SRKNS) on P1342.

Part Number	Type	Applicable Vacuum Fitting MVB	Mounting	Unit Price	Volume Discount Rate
VPBT VPBE		10	10	1-9 pcs.	10 pcs. ~
		20	20		
		30	30		
		40	40		



- 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 Attachments

MVPAT4 **MVPAT6**

RoHS 10

Material: Brass S Surface Treatment: Electroless Nickel Plating

Part Number	Mass (g)	Applicable Pad	Unit Price
MVPAT	4	1.1	No.10, No.15
MVPAT	6	3	No.20

MVPAT4 is applicable for Standard and Bellows Type.
MVPAT6 is applicable for Standard, Deep and Bellows Type.

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 /sq

