

Suction Cup Fittings (With Pads)

Soft Type / Soft Bellows Type

Fixed Type Up: One-Touch (Shape K)

Type **Accessory** **Pad Shape** **Pad Material**

MVCKN	Suction Cups	VPCT	Soft	Nitrile Rubber
MVCKE		VPCE		Conductive Silicon Rubber
MVDKN		VPDT	Soft Bellows	Nitrile Rubber

Soft Type No.4~15 **Soft Bellows Type No.6~15**

RoHS10 **M**Fitting Material: Brass **S**Surface Treatment: Electroless Nickel Plating

Part Number			D	d	L ₁	Shape K			Unit Price	
Type	Pad Material	No.				B	L ₂	Mass g	1 ~ 30 pc(s)	
MVCK (Soft)	N E	4	6	4	12.2	40.4	18.3	9.5	MVCK	MVCKE
		6	6	6	12.2	40.4	18.3	16		
		8	6	8	12.2	40.4	18.3	16		
		10	6	10	14	42.2	20.1	24.5		
		15	6	15	14	42.2	20.1	24.5		

Part Number			D	d	L ₁	Shape K			Unit Price	
Type	Pad Material	No.				B	L ₂	Mass g	1 ~ 30 pc(s)	
MVDK (Soft Bellows)	N	6	6	6	15	43.2	21.1	16		
		8	6	8	15	43.2	21.1	16		
		10	6	10	15.5	43.7	21.6	24.5		
		15	6	15	17.5	45.7	23.6	25		

Spring Type Side: One-Touch (Shape L)

Type **Accessory** **Pad Shape** **Pad Material**

MVCLN	Suction Cups	VPCT	Soft	Nitrile Rubber
MVCLC		VPCE		Conductive Silicon Rubber
MVDLN		VPDT	Soft Bellows	Nitrile Rubber

Soft Type No.4~15 **Soft Bellows Type No.6~15**

RoHS10 **M**Fitting Material: Brass **S**Surface Treatment: Electroless Nickel Plating

Part Number		D		d		L1		Shape L		Unit Price	
Type	Pad Material	No.						B	L2	Mass g	1 ~ 30 pc(s)
MVCL (Soft)	N E	4	6	4	12.2	64.4	41.3	17			
		6	6	6	12.2	64.4	41.3	19			
		8	6	8	12.2	64.4	41.3	19			
		10	6	10	14	66.2	43.1	51			
		15	6	15	14	66.2	43.1	51			

Part Number		D		d		L1		Shape L		Unit Price	
Type	Pad Material	No.						B	L2	Mass g	1 ~ 30 pc(s)
MVDL (Soft Bellows)	N	6	6	6	15	67.2	44.1	19			
		8	6	8	15	67.2	44.1	19			
		10	6	10	15.5	67.7	44.6	51			
		15	6	15	17.5	69.7	46.6	51.5			

Vacuum Cylinder Type (M Shape)

Type **Accessory** **Pad Shape** **Pad Material**

MVCMN	Suction Cups	VPCT	Soft	Nitrile Rubber
MVCMC		VPCE		Conductive Silicon Rubber

Soft Type No.4~15

RoHS10 **M**Fitting Material: Brass **S**Surface Treatment: Electroless Nickel Plating

Spring Type Up: One-Touch (Shape T)

Type **Accessory** **Pad Shape** **Pad Material**

MVCTN	Suction Cups	VPCT	Soft	Nitrile Rubber
MVCTE		VPCE		Conductive Silicon Rubber
MVDTN		VPDT	Soft Bellows	Nitrile Rubber

Soft Type No.4~15 **Soft Bellows Type No.6~15**

RoHS10 **M**Fitting Material: Brass **S**Surface Treatment: Electroless Nickel Plating

Part Number			D		d	L ₁	Shape T				Unit Price	
Type	Pad Material	No.					B	L ₂	Mass g	Spring Max. Load (N)	1 ~ 30 pc(s)	
MVCT (Soft)	N E	4	6	4	12.2	66.4	32.3	20.5	4.0~7.1		MVCTN	MVCTE
		6	6	6	12.2	66.4	32.3	22				
		8	6	8	12.2	66.4	32.3	22				
		10	6	10	14	68.2	34.1	39				
		15	6	15	14	68.2	34.1	39				

Part Number			D		d	L ₁	Shape T				Unit Price	
Type	Pad Material	No.					B	L ₂	Mass g	Spring Max. Load (N)	1 ~ 30 pc(s)	
MVDT (Soft Bellows)	N	6	6	6	15	69.2	35.1	22	4.0~7.1			
		8	6	8	15	69.2	35.1	22				
		10	6	10	15.5	69.7	35.6	39				
		15	6	15	17.5	71.7	37.6	39.5				

Direct-Mount Spring Type - Screw (Shape S)

Type **Accessory** **Pad Shape** **Pad Material**

MVCSN	Suction Cups	VPCT	Soft	Nitrile Rubber
MVCSL		VPCE		Conductive Silicon Rubber
MVDSN		VPDT	Soft Bellows	Nitrile Rubber

Soft Type No.4~15 **Soft Bellows Type No.6~15**

RoHS10 **M**Fitting Material: Brass **S**Surface Treatment: Electroless Nickel Plating

Part Number		D		d		L1		Shape S		Unit Price	
Type	Pad Material	No.						B	L2	Mass g	1 ~ 30 pc(s)
MVCS (Soft)	N E	4	4	4	12.2	57.3	45.6	18			
		6	6	6	12.2	57.3	45.6	18			
		8	8	8	12.2	57.3	45.6	18			
		10	10	14	59.1	47.4	59				
		15	15	14	59.1	47.4	59				

Part Number		D		d		L1		Shape S		Unit Price	
Type	Pad Material	No.						B	L2	Mass g	1 ~ 30 pc(s)
MVDS (Soft Bellows)	N	6	6	6	15	60.1	48.4	18			
		8	8	8	15	60.1	48.4	18			
		10	10	15.5	60.6	48.9	59				
		15	15	17.5	62.6	50.9	59.5				

Part Number		D		d		L1		Shape M		Unit Price	
Type	Pad Material	No.						B	Mass g	1 ~ 20 pc(s)	
MVCM (Soft)	N E	4	6	4	12	64	34				
		6	6	6	12	64	34				
		8	6	8	12	64	34				
		10	6	10	14	66	34.5				
		15	6	15	14	66	34.5				

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** MVCKN4

Suction Cup Units

Soft Type / Soft Bellows Type

Suction Cup Units

Soft Type

Soft Bellows Type

Type **Material** **Pad Shape** **Hardness** **Color**

VPCT	Nitrile Rubber	Soft	Shore A55	Black
VPCE	Conductive Silicon Rubber		Shore A60	Black
VPDT	Nitrile Rubber	Soft Bellows	Shore A55	Black

Soft Type **No. 4** **No. 6** **No. 8** **No. 10** **No. 15**

Soft Bellows Type **No. 6** **No. 8** **No. 10** **No. 15**

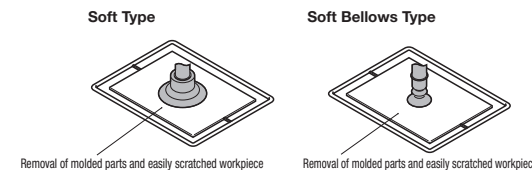
RoHS10

Part Number		Applicable Vacuum Fitting MVC		Mounting		VPCT		VPCE	
Type	No.					Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
VPCT VPCE	4	4		Attachment Type		1 ~ 9 pc(s)	10~30	1 ~ 9 pc(s)	10~30
	6	6							
	8	8							
	10	10							
	15	15							

Part Number		Applicable Vacuum Fitting MVD		Mounting		VPDT	
Type	No.					Unit Price	Volume Discount Rate
VPDT	6	6		Attachment Type		1 ~ 9 pc(s)	10~30
	8	8					
	10	10					
	15	15					

Ordering Example **Part Number** MVCKN4
VPDT10

ex Example



- Soft Type is excellent in flexibility, and is capable of sucking a workpiece without making no scratch on them relatively.
- The Soft Bellows Type is excellent in flexibility and best suitable for sticking to things like paper.

Specifications

Type	VPCT, VPDT	VPCE
Max. Operating Temp.	110°	180°
Min. Operating Temp.	-30°	-40°
Weather Resistance	△	○
Ozone Resistance	△	○
Acid Resistance	△	○
Alkali Resistance	○	○
Oil (Gasoline, Light Oil)	○	△
Resistance (Benzene, Toluene)	△	△
Surface Resistivity	-	10 ⁴ ~10 ⁶ Ω/sq

Characteristic Data

