

Vacuum Pad for Packaging Bag

Vacuum pad for bag-like article conveyance. (Bellows convolution: 3 or 5)

⚠ Safety instructions for this product
 Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)

VP (1) **A** (2) **30** (3) **PB** (4) **S** (5) **2** (6) **5** (7) **-FG** (8) **-6J** (9) **-FS** (10)

(1) Vacuum Pad

(2) Holder type

Code	A	E
Type	Fixed type, Top port	Fixed type, Direct mount
Connection config. code	PB8 PB15	PB8 PB15

(3) Pad dia.

Code	20	25	30	40	50
Pad dia. (mm)	φ20	φ25	φ30	φ40	φ50
Connection config. code	PB8		PB15		

(4) Pad type

PB: For packaging bag

(5) Pad material

S: Silicone

(6) Lip hardness

Code	2	4
Hardness	20°	40°
Lip color	Pink	Blue

(7) No. of convolutions

Code	3	5
No. of convolutions		

(8) Pad surface treatment for suction mark-free

Optional

Code	No code	-FG
Surface treatment	None	Fluoro-coating
Applicable pad dia.	—	All sizes

*Please refer to page 370 for the details of each pad surface type and treatment for Suction Mark-free.

(9) Vacuum port size and joint type

■ Holder type: VPA (○: Available)



■ Holder type: VPE (○: Available)



Fitting type	Push-in fitting					Thread type								
	Code	4J	6J	8J	10J	12J	Code	M5	M6	M8	M14	Parallel pipe male thread		
Pad dia. (mm)	φ4	φ6	φ8	φ10	φ12	Thread size	M5×0.8	M6×1	M8×1	M14×1	G1/8A	G1/4A	G3/8A	G1/2A
Connection config. code	PB8	○	○	○	○	○	PB8	○	○	○	○	○	○	○
	PB15	○	○	○	○	○	PB15	○	○	○	○	○	○	○

(10) Over-suction preventing adapter

Code	FS	MS	FF	MF
Type	Spherical type		Plane type	
Stainless steel mesh	None	Installed	None	Installed

Characteristics

Realizes followability to work-piece and posture stabilization during conveyance.

Soft material is used for lip part, and hard material is used for bellows part.

Two selections of rubber hardness for lip part. Suitable for bag-like work-piece.

Extra soft material (rubber hardness 20°, pink) is for deformable packaging bags.
 Soft material (rubber hardness 40°, blue) is for packaging bag made of thick vinyl or sheet.



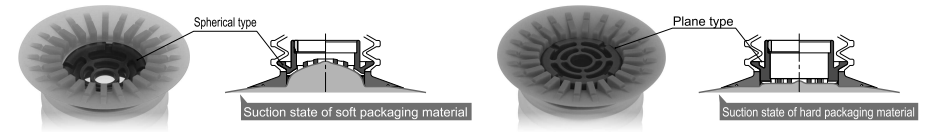
Two selections for bellows convolutions: 3 and 5.

3 convolutions type is suitable for space-saving or high speed conveyance by connecting to EOAT (shorter by approx. 25.3% in height, compared to 5 convolutions type). 5 convolutions type is suitable for liquid packaging which easily deform.

Two types of Over-suction preventing adapter: Spherical/Plane type

■ Spherical type is for soft packaging material.

■ Plane type is for hard packaging material.



Stainless steel mesh can be selected for over-suction preventing adapter.

Prevents suction of foreign objects to prevent trouble in vacuum systems.



Food Sanitation Act and FDA compliant. (Holder is not compliant. Vacuum pad complies only at work-piece contact area.)

*See page 6 for details of the Food Sanitation Act and FDA.

Pad remover is available for convenient removal of the vacuum pad from the pad holder.







● Pad surface treatment for suction mark-free (Optional)


NEW Fluoro-coating type, which is effective in improving pad durability and wear resistance, is added. Prevents sticking to work-pieces and bellows.


Vacuum Pad for Packaging Bag

RoHS2 (2011/65/EU+EU2015/863) compliant

Lip hardness: 20°					Lip hardness: 40°						
Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	Connection config. code	Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	Connection config. code		
Fixed type, Top port, Push-in fitting, For packaging bag pad VPA 	ø20	ø4	VPA20PBS2 718-4J-10	PBB	Fixed type, Top port, Push-in fitting, For packaging bag pad VPA 	ø20	ø4	VPA20PBS4 718-4J-10	PBB		
		ø6	VPA20PBS2 718-6J-10				ø6	VPA20PBS4 718-6J-10			
		ø8	VPA20PBS2 718-8J-10				ø8	VPA20PBS4 718-8J-10			
		ø4	VPA25PBS2 718-4J-10				ø4	VPA25PBS4 718-4J-10			
		ø6	VPA25PBS2 718-6J-10				ø6	VPA25PBS4 718-6J-10			
		ø8	VPA25PBS2 718-8J-10				ø8	VPA25PBS4 718-8J-10			
	ø25	ø6	VPA30PBS2 718-6J-10	PBB		ø25	ø6	VPA30PBS4 718-6J-10	PBB		
		ø8	VPA30PBS2 718-8J-10				ø8	VPA30PBS4 718-8J-10			
		ø10	VPA30PBS2 718-10J-10				ø10	VPA30PBS4 718-10J-10			
		ø12	VPA30PBS2 718-12J-10				ø12	VPA30PBS4 718-12J-10			
		ø6	VPA40PBS2 718-6J-10				ø6	VPA40PBS4 718-6J-10			
		ø8	VPA40PBS2 718-8J-10				ø8	VPA40PBS4 718-8J-10			
ø30	ø10	VPA40PBS2 718-10J-10	PB15	ø30	ø10	VPA40PBS4 718-10J-10	PB15				
	ø12	VPA40PBS2 718-12J-10			ø12	VPA40PBS4 718-12J-10					
	ø6	VPA50PBS2 718-6J-10			ø6	VPA50PBS4 718-6J-10					
	ø8	VPA50PBS2 718-8J-10			ø8	VPA50PBS4 718-8J-10					
	ø10	VPA50PBS2 718-10J-10			ø10	VPA50PBS4 718-10J-10					
	ø12	VPA50PBS2 718-12J-10			ø12	VPA50PBS4 718-12J-10					
Fixed type, Direct mount, For packaging bag pad VPE 	ø20	M5×0.8	VPE20PBS2 718-M5-10	PBB	Fixed type, Direct mount, For packaging bag pad VPE 	ø20	M5×0.8	VPE20PBS4 718-M5-10	PBB		
		M6×1	VPE20PBS2 718-M6-10				M6×1	VPE20PBS4 718-M6-10			
		M8×1	VPE20PBS2 718-M8-10				M8×1	VPE20PBS4 718-M8-10			
		G1/8	VPE20PBS2 718-G1-10				G1/8	VPE20PBS4 718-G1-10			
		M5×0.8	VPE25PBS2 718-M5-10				M5×0.8	VPE25PBS4 718-M5-10			
		M6×1	VPE25PBS2 718-M6-10				M6×1	VPE25PBS4 718-M6-10			
	ø25	M8×1	VPE25PBS2 718-M8-10	PBB		ø25	M8×1	VPE25PBS4 718-M8-10	PBB		
		G1/8	VPE25PBS2 718-G1-10				G1/8	VPE25PBS4 718-G1-10			
		M5×0.8	VPE30PBS2 718-M5-10				M5×0.8	VPE30PBS4 718-M5-10			
		M6×1	VPE30PBS2 718-M6-10				M6×1	VPE30PBS4 718-M6-10			
		M8×1	VPE30PBS2 718-M8-10				M8×1	VPE30PBS4 718-M8-10			
		G1/8	VPE30PBS2 718-G1-10				G1/8	VPE30PBS4 718-G1-10			
ø30	M5×0.8	VPE30PBS2 718-M5-10	PBB	ø30	M5×0.8	VPE30PBS4 718-M5-10	PBB				
	M6×1	VPE30PBS2 718-M6-10			M6×1	VPE30PBS4 718-M6-10					
	M8×1	VPE30PBS2 718-M8-10			M8×1	VPE30PBS4 718-M8-10					
	M14×1	VPE30PBS2 718-M14-10			M14×1	VPE30PBS4 718-M14-10					
	G1/8	VPE30PBS2 718-G1-10			G1/8	VPE30PBS4 718-G1-10					
	G1/4	VPE30PBS2 718-G2-10			G1/4	VPE30PBS4 718-G2-10					
	ø40	G3/8			VPE30PBS2 718-G3-10	PB15		ø40	G3/8	VPE30PBS4 718-G3-10	PB15
		G1/2			VPE30PBS2 718-G4-10				G1/2	VPE30PBS4 718-G4-10	
		M5×0.8			VPE40PBS2 718-M5-10				M5×0.8	VPE40PBS4 718-M5-10	
		M6×1			VPE40PBS2 718-M6-10				M6×1	VPE40PBS4 718-M6-10	
		M8×1			VPE40PBS2 718-M8-10				M8×1	VPE40PBS4 718-M8-10	
		M14×1			VPE40PBS2 718-M14-10				M14×1	VPE40PBS4 718-M14-10	
ø50	G1/8	VPE40PBS2 718-G1-10	PB15	ø50	G1/8	VPE40PBS4 718-G1-10	PB15				
	G1/4	VPE40PBS2 718-G2-10			G1/4	VPE40PBS4 718-G2-10					
	G3/8	VPE40PBS2 718-G3-10			G3/8	VPE40PBS4 718-G3-10					
	G1/2	VPE40PBS2 718-G4-10			G1/2	VPE40PBS4 718-G4-10					
	M5×0.8	VPE50PBS2 718-M5-10			M5×0.8	VPE50PBS4 718-M5-10					
	M6×1	VPE50PBS2 718-M6-10			M6×1	VPE50PBS4 718-M6-10					
	ø50	M8×1			VPE50PBS2 718-M8-10	PB15		ø50	M8×1	VPE50PBS4 718-M8-10	PB15
		M14×1			VPE50PBS2 718-M14-10				M14×1	VPE50PBS4 718-M14-10	
		G1/8			VPE50PBS2 718-G1-10				G1/8	VPE50PBS4 718-G1-10	
		G1/4			VPE50PBS2 718-G2-10				G1/4	VPE50PBS4 718-G2-10	
		G3/8			VPE50PBS2 718-G3-10				G3/8	VPE50PBS4 718-G3-10	
		G1/2			VPE50PBS2 718-G4-10				G1/2	VPE50PBS4 718-G4-10	


Notes
 *For [] in model code list, please select a code for bellows convolutions, for [], please select a code for over-suction preventing adapter.

 CAD data is available at PISCO website.

 Packaging specifications 1 pc./bag

Options
 [] : Surface treatment (Fluoro-coating)

RoHS2 (2011/65/EU+EU2015/863) compliant

Holder type	Model code
Pad remover VPOJ 	VPOJ-PB0815

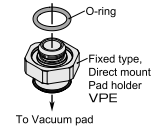
Optional items (○: Available)

[] Pad surface treatment (Suction mark-free)

Pad dia. (mm)	Surface treatment code		Connection config. code
	-FG	Fluoro-coating (3 cnvl.) (5 cnvl.)	
ø20	○	○	PBB
ø25	○	○	
ø30	○	○	PB15
ø40	○	○	
ø50	○	○	

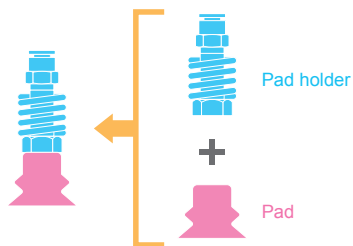
Characteristics of surface treatment ▶ P.370

Replacement parts



O-ring Model code	Holder thread size
9×2 (VMQ)	M8×1
15×2 (VMQ)	M14×1
10×2 (VMQ)	G1/8A
14×2 (VMQ)	G1/4A
17×2 (VMQ)	G3/8A
21×2 (VMQ)	G1/2A

1. PISCO's Vacuum pad series consists of the combination of vacuum pads and holders.

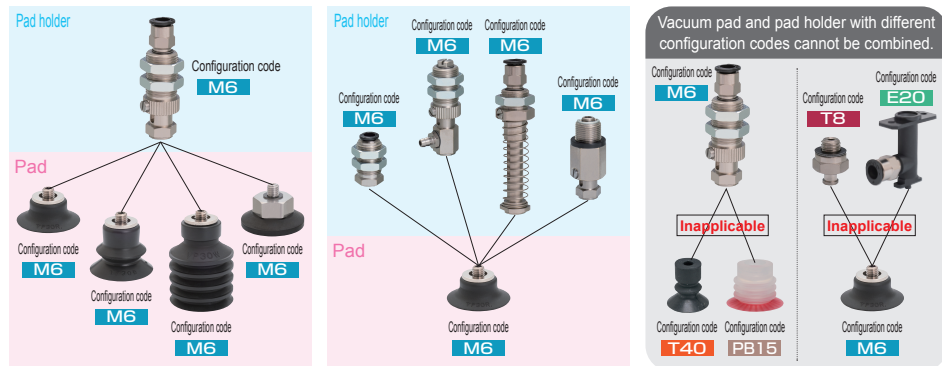


2. Vacuum pad and pad holder have a specific connection type depending on the size and shape.

Pad connection type	Insert type (Direct connection)		Mount type (Direct connection)		Screw type (Connection with screw)	
Connection configuration code	H3		T4 T8	M4 M6 M10 M20	G1 G2 G3 G4	E10 E20
			T15 T40 (Exclusive to soft type & soft bellows type vacuum pads)			
			PB8 PB15 (Exclusive to Vacuum pad for packaging bag)			
			E10 E20 (Exclusive to Oval type vacuum pad)			

*As shown in above drawings, Vacuum pad and pad holder are connected with a screw or a rim.

3. Any Vacuum pad and pad holder can be connected, as long as their connection configuration codes are same.



If you have purchased a pad and holder set but want to install a different pad or replace the holder with a different one...
 →Please check the connection configuration code of your pad or pad holder and select the one that matches the configuration code.

4. Please refer to the below chart for the "Connection Configuration Code". *Configuration codes are also listed on the page of model code list for each product.

Connection configuration code list (Holder)

	Fixed type		Spring type		No cover		Low dust emission	
	Mini	Standard	Mini	Slim	Standard	Standard	Standard	Standard
Top port	Code: VPMA	Code: VPA	Code: VPMC	Code: VPSC	Code: VPC	Code: VPOC	Code: VPLFC	
Type								
Configuration code	T4 T8 M4 M6	H3 T8 M4 M6 M10 M20 G1 G2 G3 G4	T4 T8 M4 M6	H3 T8	H3 T8 M4 M6 M10 M20 G1 G2 G3 G4	T8 T8 M4 M6	T4 T8 M4 M6	
Side port	Code: VPMB	Code: VPB	Code: VPMD	Code: VPD	Code: VPOD	Code: VPLFD		
Type								
Configuration code	T4 T8 M4 M6	H3 T8 M4 M6 M10 M20 G1 G2 G3 G4	T4 T8 M4 M6		H3 T8 M4 M6 M10 M20 G1 G2 G3 G4	T8 T8 M4 M6	T4 T8 M4 M6	
Direct mount	Code: VPME	Code: VPE			Code: VPF			
Type								
Configuration code	T4 T8	H3 T8 M4 M6 M10 M20 T15 T40			H3 T8 M4 M6 M10 M20 T15 T40			

Common holder (Lightweight/Low profile)

Code	Top port	Side port	Dual side port
	VPHC	VPHD	VPHDW
Type			
Configuration code	T15 T40 M4 M6	T15 T40 M4 M6	T15 T40 M4 M6

Special holder *Pads of other shapes cannot be installed.

Code	Top port	Side port
	VPA	VPB
Type		
Configuration code	E10 E20	E10 E20

For Oval type

Code	Fixed type	Direct mount
	VPA	VPE
Type		
Configuration code	PB8 PB15	PB8 PB15

For Packaging bag

Holder with configuration code: G1, G2, G3 and G4
 VPE holder (Male thread: G1, G2, G3, and G4)
 Vacuum Pad

Connection configuration code list (Pad) (○: Available)

Pad type or application	Standard													Bellows	Multi-bellows	Metal detectable	Skidproof	Flat (Large suction flow type)	Mark-free	Soft	Soft bellows	Sponge	Ultrathin	For packaging bag	Pad type or application
	Small	General	Deep	R	A	B	W	BE,BD	K	F,FH	Q	L	LB												
Code	RM	R	A	B	W	BE,BD	K	F,FH	Q	L	LB	S	P	PB	E										
0.7	○																								
1	○																								
1.5	○																								
2	○																								
3	○																								
4	○																								
6	○																								
8	○																								
10	○																								
15	○																								
20	○																								
25	○																								
30	○																								
40	○																								
50	○																								
60	○																								
70	○																								
80	○																								
100	○																								
150	○																								
200	○																								

Some combinations are possible by using a conversion screw adapter.

H3, T4 and T8 can be converted to M4 or M6. M4 to M6 conversion is also available. For details, please see "Rearrangement parts" of each pad type.

Model Designation (Example)



(1) Vacuum Pad

(2) Pad size (3) Pad type (6) Connection configuration code *Required for Pad & screw set only. (○: Available)

Pad type or application	Pad type													Pad type or application	
	Small	General	Deep	Bellows	Multi-bellows	Metal detectable	Skidproof	Flat (Large suction flow type)	Mark-free	Soft	Soft bellows	Sponge	Ultrathin		For packaging bag
Code	RM	R	A	B	W	BE,BD	K	F,FH	Q	L	LB	S	P	PB	E
0.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
1.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
15	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
25	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
30	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
35	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
40	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
60	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
70	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
80	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

(4) Pad material (○: Available)

Code	N	S	U	F	SE	NE	G	HN	EP	FS	NH	YS2	YS4	MSF3	MSF5	MSS3	MSS5
Code	N	S	U	F	SE	NE	G	HN	EP	FS	NH	YS2	YS4	MSF3	MSF5	MSS3	MSS5
Material	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	Food Sanit. Act compliant NBR	HNBR	EPDM	Fluoro-silicone	Oil proof NBR	Extra soft silicone	Iron powder type	SUS powder type	Metal detectable silicone		
Hardness											20°	40°	20°	40°	Hardness 30°	Hardness 50°	Hardness 50°
Color	Black	Clear white	Dark-blue	Gray	Black	Black	Light-gray	Black	Black	Dark-orange	Black	Pink	Blue	Reddish-brown	Dark-green	Brown	Green
Material code marking	None	None	None	None	SE	NE	None	HN	EP	None	None	None	None	SF	SF	SS	SS
Standard	R	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Deep	A	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Small	RM	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Soft	L	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Soft bellows	LB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Skidproof	K	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Bellows	B	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Multi-bellows	W	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
For packaging bag	PB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Metal Detectable	BE	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ribs	BD	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
No ribs	BD	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Ultrathin	P	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Flat	F	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Flat large suction flow	FH	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Oval	E	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

● Mark-free type (Pad type code: Q)

Code	K	M	KE
Resin material	PEEK	POM	Conductive PEEK
Pad color	Beige	White	Black

● Sponge type (Pad type code: S)

Code	S	C
Resin material	Silicone	Chloroprene
Pad color	Dark-orange	Black

*2. Some materials are not available depending on pad size. Please see the catalog for details.

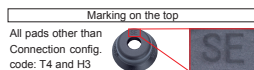
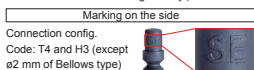
*3. Pad color of pads for Packaging bag. Lip hardness 20° (Pink) Lip hardness 40° (Blue)

*4. The Conductive Silicone rubber (SE) is a silicon rubber capable of releasing static electricity. (Volume resistance: More than 200 Ω·cm and 10⁵ Ω·cm or less)

*5. Nitrile rubber (N), Conductive NBR (Low resistance, Volume resistance: 200Ω·cm or less) (NE), Food Sanitation Act-compliant NBR (G), Oil proof NBR (NH) are not suitable for use with ozone environment.

*6. Extra soft silicone (YS2/YS4), Metal detectable silicone and Silicone for Packaging bag are compliant with Food Sanitation Act and FDA.

*7. Volume resistance of Conductive PEEK (KE) is 10⁵ to 10⁶ Ω·cm.



Connection config. Code: T4 and H3 (except e2 mm of Bellows type)

All pads other than Connection config. code: T4 and H3

(5) Surface treatment (Optional) (○: Available)

Code	No code	-NF	-SF	-DL	-ER	-FG
		Fiber surface		DLC. coating	Reformed surface	Fluoro-coating
None		Nylon fiber	Silk fiber			
Surface treatment	—					
Applicable pad material	—	Silicone (S) Fluoro (F)	Silicone (S) Fluoro (F)	Silicone (S) Fluoro (F) Conductive silicone (SE)	Nitrile (N) Conductive NBR (NE)	Silicone (S) Conductive silicone (SE) Extra soft silicone (YS,YS4)
Pad type	General	R	○	○	○	○
	Deep	A	○	○	○	○
	Small	RM	○	○	○	○
	Soft	L	○	○	○	○
	Soft bellows	LB	○	○	○	○
	Skidproof	K	○	○	○	○
	Bellows	B	○	○	○	○
	Multi-bellows	W	○	○	○	○
	For packaging bag	PB	○	○	○	○
	Metal Detectable	BE,BD	○	○	○	○
Ultrathin	P	○	○	○	○	
Flat	F	○	○	○	○	
Flat large suction flow	FH	○	○	○	○	
Mark-free	Q	○	○	○	○	
Sponge	S	○	○	○	○	
Oval	E	○	○	○	○	

*Some surface treatments are not available depending on pad size.

Please refer to page 370 for the details of each pad surface type and treatment for Suction Mark-free.

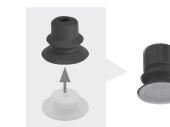
(6) Connection configuration code (Required for Pad & screw set only.) Please refer to the Pad size and type list on the 374 page.

Code	No code	-M4	-M6	-M10	-M20	-M5(*)
Connection config. code	—	M4	M6	M10	M20	—
Thread size	Pad rubber only	M4×0.7	M6×1	M10×1.5	M20×2	M5×0.8

*M5 thread is used for mounting on non-PISCO holders. Contact us for the price of screw set.

(7) Mark-free resin attachment material (Bellows type only) (Optional)

Code	No code	-QK	-QM	-QKE
Resin material	—	PEEK	POM	Conductive PEEK (Volume resistance: 10 ⁵ to 10 ⁶ Ω·cm)
	—			



*1. Selectable for Bellows type pad dia. 10 to 30 mm.

*2. Resin attachment cannot be installed when selecting surface treatment.

*3. Resin attachment cannot be installed when selecting Extra soft silicone for pad material.

(8) -S3 spec. (Required for Pad & screw set only) (Optional)

Code	No code	-S3
Metal material	Standard	No copper-based metallic materials used in flow paths

Holders with the same "connection configuration code (M4 , M6 etc.)" can be connected. For connectable holders, please see the page of Pad holder only (page 384-).

Standard series, General type (R) and Deep type (A) Vacuum pad alone P.406

Available as standard item

Model code	4 Pad rubber material								Connection config. code	
	N	S	U	F	SE	NE	G	HN		EP
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	Food Sanit. Act compliant NBR	HNBR		EPDM
VP1R(4)	○	○	○	○	○	○	○	○	○	
VP2R(4)	○	○	○	○	○	○	○	○	○	H3
VP3R(4)	○	○	○	○	○	○	○	○	○	
VP4R(4)	○	○	○	○	○	○	○	○	○	
VP6R(4)5	○	○	○	○	○	○	○	○	○	T8
VP8R(4)5	○	○	○	○	○	○	○	○	○	
VP10R(4)5	○	○	○	○	○	○	○	○	○	M4(3)
VP15R(A)4)5	●	●	●	●	●	●	●	●	●	
VP20R(A)4)5	●	●	●	●	●	●	●	●	●	
VP25R(A)4)5	●	●	●	●	●	●	●	●	●	M6(3)
VP30R(A)4)5	●	●	●	●	●	●	●	●	●	
VP40R(A)4)5	●	●	●	●	●	●	●	●	●	
VP50R(A)4)5	●	●	●	●	●	●	●	●	●	M10(3)
VP60R(A)4)5	●	●	●	●	●	●	●	●	●	
VP80R(A)4)5	●	●	●	●	●	●	●	●	●	M10(3)
VP100R(A)4)5	●	●	●	●	●	●	●	●	●	
VP150R(4)5	○	○	○	○	○	○	○	○	○	M20(3)
VP200R(4)5	○	○	○	○	○	○	○	○	○	

Available pad size and material for surface treatment (Standard series, General type & Deep type)

Pad dia. (mm)	5 Surface treatment code				
	-NF	-SF	-DL	-ER	-FG
	Fiber surface Nylon	Fiber surface Silk	DLC coating	Reformed surface	Fluoro-coating
φ6	—	—	○	○	○
φ8	—	—	○	○	○
φ10	—	—	○	○	○
φ15	●	●	●	●	●
φ20	●	●	●	●	●
φ25	●	●	●	●	●
φ30	●	●	●	●	●
φ40	●	●	●	●	●
φ50	●	●	●	●	●
φ60	●	●	—	—	—
φ80	●	●	—	—	—
φ100	—	—	—	—	●
φ150	—	—	—	—	○
φ200	—	—	—	—	○
Material	S, F	S, F, SE	N, NE	S, SE	

Standard series, General type (R) and Deep type (A) Pad & screw set P.406

Available as standard item

Model code	4 Pad rubber material								-S3	Connection config. code	
	N	S	U	F	SE	NE	G	HN	EP		-S3 spec.
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	Food Sanit. Act compliant NBR	HNBR	EPDM		
VP10R(4)5-M4(8)	○	○	○	○	○	○	○	○	○	○	M4
VP15R(A)4)5-M4(8)	●	●	●	●	●	●	●	●	●	●	
VP20R(A)4)5-M6(8)	●	●	●	●	●	●	●	●	●	●	M6
VP25R(A)4)5-M6(8)	●	●	●	●	●	●	●	●	●	●	
VP30R(A)4)5-M6(8)	●	●	●	●	●	●	●	●	●	●	
VP40R(A)4)5-M6(8)	●	●	●	●	●	●	●	●	●	●	
VP50R(A)4)5-M6(8)	●	●	●	●	●	●	●	●	●	●	
VP60R(A)4)5-M10	●	●	●	●	●	●	—	●	●	●	*2
VP80R(A)4)5-M10(8)	●	●	●	●	●	●	—	●	●	●	M10
VP100R(A)4)5-M10(8)	●	●	●	●	●	●	—	●	●	●	
VP150R(4)5-M20(8)	○	○	○	○	○	○	○	○	○	○	M20
VP200R(4)5-M20(8)	○	○	○	○	○	○	○	○	○	○	

Available pad size and material for surface treatment (Standard series, Small type)

Pad dia. (mm)	5 Surface treatment code	
	-ER	-FG
	Reformed surface	Fluoro-coating
φ0.7	○	○
φ1.5	○	○
φ2	○	○
φ3	○	○
φ4	○	○
Material	N, NE	S, SE

CAD data is available at PISCO website.

Packaging specifications 1 pc. /bag

Options
 5 : Surface treatment
 8 : -S3 ⇒ -S3 spec.

Notes
 *1. For ● part in the table above, deep type of standard series is available.
 *2. For Pad & screw set of 60 mm pad dia. (for general type and deep type), the standard spec. is equivalent to "-S3" spec.
 *3. A pad screw is required to mount on the holder. If you do not have a pad screw, please select from the Pad & screw set.
 *4. Configuration code: H3 is not available for surface treatment.

Holders with the same "connection configuration code (M4 , M6 etc.)" can be connected. For connectable holders, please see the page of Pad holder only (page 384-).

Soft series, Pad rubber alone P.446

Available as standard item

Model code	4 Pad rubber material					Connection config. code
	N	S	FS	SE	NE	
	Nitrile	Silicone	Fluoro silicone	Conductive silicone	Conductive NBR (Low resistance)	
VP4L(4)5	○	○	○	○	○	
VP6L(4)5	○	○	○	○	○	T15 M4(1)
VP8L(4)5	○	○	○	○	○	
VP10L(4)5	○	○	○	○	○	
VP15L(4)5	○	○	○	○	○	
VP20L(4)5	○	○	○	○	○	T40 M6(1)
VP30L(4)5	○	○	○	○	○	
VP40L(4)5	○	○	○	○	○	

Soft series, Pad & screw set P.446

Available as standard item

Model code	4 Pad rubber material					-S3	Connection config. code
	N	S	FS	SE	NE	-S3 spec.	
	Nitrile	Silicone	Fluoro silicone	Conductive silicone	Conductive NBR (Low resistance)		
VP4L(4)5-M4(8)	○	○	○	○	○	○	
VP6L(4)5-M4(8)	○	○	○	○	○	○	M4
VP8L(4)5-M4(8)	○	○	○	○	○	○	
VP10L(4)5-M4(8)	○	○	○	○	○	○	
VP15L(4)5-M4(8)	○	○	○	○	○	○	
VP20L(4)5-M6(8)	○	○	○	○	○	○	
VP30L(4)5-M6(8)	○	○	○	○	○	○	M6
VP40L(4)5-M6(8)	○	○	○	○	○	○	

Soft bellows series, Pad rubber alone P.482

Available as standard item

Model code	4 Pad rubber material						Connection config. code	
	N	S	U	SE	NE	HN		EP
	Nitrile	Silicone	Urethane	Conductive silicone	Conductive NBR (Low resistance)	HNBR		EPDM
VP6LB(4)5	○	○	○	○	○	○	○	
VP8LB(4)5	○	○	○	○	○	○	○	T15 M4(1)
VP10LB(4)5	○	○	○	○	○	○	○	
VP15LB(4)5	○	○	○	○	○	○	○	
VP20LB(4)5	○	○	○	○	○	○	○	T40 M6(1)

Available pad size and material for surface treatment (Soft series)

Pad dia. (mm)	5 Surface treatment code				
	-NF	-SF	-DL	-ER	-FG
	Fiber surface Nylon	Fiber surface Silk	DLC coating	Reformed surface	Fluoro-coating
φ4	—	—	○	○	○
φ6	—	—	○	○	○
φ8	—	—	○	○	○
φ10	○	○	○	○	○
φ15	○	○	○	○	○
φ20	○	○	○	○	○
φ30	○	○	○	○	○
φ40	○	○	○	○	○
Material	S	S, SE	N, NE	S, SE	

Soft bellows series, Pad & screw set P.482

Available as standard item

Model code	4 Pad rubber material						-S3	Connection config. code	
	N	S	U	SE	NE	HN	EP		-S3 spec.
	Nitrile	Silicone	Urethane	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM		
VP6LB(4)5-M4(8)	○	○	○	○	○	○	○	○	
VP8LB(4)5-M4(8)	○	○	○	○	○	○	○	○	M4
VP10LB(4)5-M4(8)	○	○	○	○	○	○	○	○	
VP15LB(4)5-M4(8)	○	○	○	○	○	○	○	○	
VP20LB(4)5-M6(8)	○	○	○	○	○	○	○	○	M6

Available pad size and material for surface treatment (Soft bellows series)

Pad dia. (mm)	5 Surface treatment code				
	-NF	-SF	-DL	-ER	-FG
	Fiber surface Nylon	Fiber surface Silk	DLC coating	Reformed surface	Fluoro-coating
φ6	—	—	○	○	○
φ8	—	—	○	○	○
φ10	○	○	○	○	○
φ15	○	○	○	○	○
φ20	○	○	○	○	○
Material	S	S, SE	N, NE	S, SE	

Skidproof series, Pad rubber alone P.508

Available as standard item

Model code	4 Pad rubber material					Connection config. code
	NH	S	U	F	NE	
	Oil proof NBR	Silicone	Urethane	Fluoro	Conductive NBR (Low resistance)	
VP10K(4)	○	○	○	○	○	M4(1)
VP20K(4)	○	○	○	○	○	
VP30K(4)	○	○	○	○	○	
VP40K(4)	○	○	○	○	○	M6(1)
VP50K(4)	○	○	○	○	○	

Skidproof series, Pad & screw set P.508

Available as standard item

Model code	4 Pad rubber material					-S3	Connection config. code
	NH	S	U	F	NE	-S3 spec.	
	Oil proof NBR	Silicone	Urethane	Fluoro	Conductive NBR (Low resistance)		
VP10K(4)-M4(8)	○	○	○	○	○	○	M4
VP20K(4)-M6(8)	○	○	○	○	○	○	
VP30K(4)-M6(8)	○	○	○	○	○	○	
VP40K(4)-M6(8)	○	○	○	○	○	○	M6
VP50K(4)-M6(8)	○	○	○	○	○	○	

Notes
 *A screw adapter (Soft/Soft bellows series) or a pad screw (Skidproof series) is required to mount on the holder. If you do not have a screw adapter and a pad screw, please select from the Pad & screw set.

CAD data is available at PISCO website.

Packaging specifications 1 pc. /bag

Options
 5 : Surface treatment 8 : -S3 ⇒ -S3 spec.

Holders with the same "connection configuration code (M4 , M6 etc.)" can be connected. For connectable holders, please see the page of Pad holder only (page 384-).

Model code	○: Available as standard item										Connection config. code
	④ Pad rubber material										
	N	S	YS2	YS4	U	F	SE	NE	HN	EP	
	Nitrile	Silicone	Extra soft silicone ⁽²⁾ Hardness 20*	Hardness 40*	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM	
VP2B④	○	○	—	—	—	—	—	—	—	—	—
VP4B④	○	○	—	—	—	—	○	—	—	—	H3
VP6B④⑤	○	○	—	—	○	○	○	○	○	○	T8
VP8B④⑤	○	○	—	—	○	○	○	○	○	○	
VP10B④⑤	○	○	(*)	(*)	○	○	○	○	○	○	M4③
VP15B④⑤	○	○	(*)	○	○	○	○	○	○	○	
VP20B④⑤	○	○	○	○	○	○	○	○	○	○	
VP25B④⑤	○	○	○	○	○	○	○	○	○	○	
VP30B④⑤	○	○	○	○	○	○	○	○	○	○	M6③
VP40B④⑤	○	○	○	○	○	○	○	○	○	○	
VP50B④⑤	○	○	○	○	○	○	○	○	○	○	
VP60B④⑤	○	○	—	—	○	○	○	○	○	○	
VP80B④⑤	○	○	—	—	○	○	○	○	○	○	M10③
VP100B④⑤	○	○	—	—	○	○	○	○	○	○	

Model code	○: Available as standard item										Connection config. code	
	④ Pad rubber material											
	N	S	YS2	YS4	U	F	SE	NE	HN	EP		
	Nitrile	Silicone	Extra soft silicone ⁽²⁾ Hardness 20*	Hardness 40*	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM	-S3 spec.	
VP10B④⑤-M4⑧	○	○	(*)	(*)	○	○	○	○	○	○	○	M4
VP15B④⑤-M4⑧	○	○	(*)	○	○	○	○	○	○	○	○	
VP20B④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	
VP25B④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	
VP30B④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	M6
VP40B④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	
VP50B④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	
VP60B④⑤-M10	○	○	—	—	○	○	○	○	○	○	(*)	
VP80B④⑤-M10⑧	○	○	—	—	○	○	○	○	○	○	○	M10
VP100B④⑤-M10⑧	○	○	—	—	○	○	○	○	○	○	○	

■ Available pad size and material for surface treatment (Bellows series)

Pad dia. (mm)	⑤ Surface treatment code				
	-NF	-SF	-DL	-ER	-FG
	Fiber surface Nylon	Silk	DLC coating	Reformed surface	Fluoro-coating (YS, SE) (YS2, YS4)
φ6	—	—	○	○	—
φ8	—	—	○	○	—
φ10	—	—	○	○	—
φ15	○	○	○	○	○
φ20	○	○	○	○	○
φ25	○	○	○	○	○
φ30	○	○	○	○	○
φ40	○	○	○	○	○
φ50	○	○	○	○	○
φ60	○	○	—	○	—
φ80	○	○	—	○	—
φ100	—	—	—	○	—

*4. Fluoro-coating of Extra soft silicone (YS2, YS4)
 For Extra soft silicone pads, dia. 10 mm or 15 mm of 20* hardness type (YS2) and dia. 10 mm of 40* hardness type (YS4) can be selected only when Fluoro-coating treatment is selected.

Model code	YS2	YS4	⑧	Connection config. code
	Extra soft silicone ⁽²⁾ Hardness 20*	Hardness 40*	-S3 spec.	
VP10B④-FG	○	○	—	
VP15B④-FG	○	—	—	M4③
Pad & screw set				
VP10B④-FG-M4⑧	○	○	○	
VP15B④-FG-M4⑧	○	—	○	M4

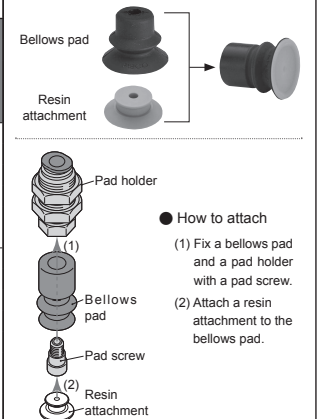
Notes
 *1. For Pad & screw set of Bellows series 60 mm pad dia., the standard spec. is equivalent to *-S3 spec.
 *2. Extra soft silicone is compliant with Food Sanitation Act and FDA.
 *3. A pad screw is required to mount on the holder. If you do not have a pad screw, please select from the Pad & screw set.

CAD data is available at PISCO website.
 Packaging specifications 1 pc./bag
 Options
 ⑤ : Surface treatment
 ⑧ : -S3 ⇒ -S3 spec.

Holders with the same "connection configuration code (M4 , M6 etc.)" can be connected. For connectable holders, please see the page of Pad holder only (page 384-).

Model code	○: Available as standard item										Connection config. code
	④ Pad rubber material										
	N	S	U	F	SE	NE	HN	EP			
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM			
VP10B④-QK	○	○	○	○	○	○	○	○	○	○	
VP10B④-QM	○	○	○	○	○	○	○	○	○	○	
VP10B④-QKE	○	○	○	○	○	○	○	○	○	○	M4③
VP15B④-QK	○	○	○	○	○	○	○	○	○	○	
VP15B④-QM	○	○	○	○	○	○	○	○	○	○	
VP15B④-QKE	○	○	○	○	○	○	○	○	○	○	
VP20B④-QK	○	○	○	○	○	○	○	○	○	○	
VP20B④-QM	○	○	○	○	○	○	○	○	○	○	
VP20B④-QKE	○	○	○	○	○	○	○	○	○	○	M6③
VP25B④-QK	○	○	○	○	○	○	○	○	○	○	
VP25B④-QM	○	○	○	○	○	○	○	○	○	○	
VP25B④-QKE	○	○	○	○	○	○	○	○	○	○	
VP30B④-QK	○	○	○	○	○	○	○	○	○	○	
VP30B④-QM	○	○	○	○	○	○	○	○	○	○	
VP30B④-QKE	○	○	○	○	○	○	○	○	○	○	

Picture of mark-free resin attachment with pad
 By attaching a resin attachment, bellows pad (pad dia.: 10 to 30 mm) can be used as Mark-free pad.



Model code	○: Available as standard item										Connection config. code	Model code	○: Available as standard item			
	④ Pad rubber material												-S3 spec.	④ Resin attachment material		
	N	S	U	F	SE	NE	HN	EP	K	M				KE		
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM				PEEK	POM	Conductive PEEK		
VP10B④-M4-QK⑧	○	○	○	○	○	○	○	○	○	○	○	VP10BQ④-AT	○	○	○	
VP10B④-M4-QM⑧	○	○	○	○	○	○	○	○	○	○	○	VP15BQ④-AT	○	○	○	
VP10B④-M4-QKE⑧	○	○	○	○	○	○	○	○	○	○	○	VP20BQ④-AT	○	○	○	
VP15B④-M4-QK⑧	○	○	○	○	○	○	○	○	○	○	○	VP25BQ④-AT	○	○	○	
VP15B④-M4-QM⑧	○	○	○	○	○	○	○	○	○	○	○	VP30BQ④-AT	○	○	○	
VP15B④-M4-QKE⑧	○	○	○	○	○	○	○	○	○	○	○					
VP20B④-M6-QK⑧	○	○	○	○	○	○	○	○	○	○	○					
VP20B④-M6-QM⑧	○	○	○	○	○	○	○	○	○	○	○					
VP20B④-M6-QKE⑧	○	○	○	○	○	○	○	○	○	○	○					
VP25B④-M6-QK⑧	○	○	○	○	○	○	○	○	○	○	○					
VP25B④-M6-QM⑧	○	○	○	○	○	○	○	○	○	○	○					
VP25B④-M6-QKE⑧	○	○	○	○	○	○	○	○	○	○	○					
VP30B④-M6-QK⑧	○	○	○	○	○	○	○	○	○	○	○					
VP30B④-M6-QM⑧	○	○	○	○	○	○	○	○	○	○	○					
VP30B④-M6-QKE⑧	○	○	○	○	○	○	○	○	○	○	○					

Notes
 *1. A pad screw is required to mount on the holder. If you do not have a pad screw, please select from the Pad & screw set.
 *2. Resin attachment must be used with a vacuum pad for work conveyance.

CAD data is available at PISCO website.
 Packaging specifications 1 pc./bag
 Options
 ⑧ : -S3 ⇒ -S3 spec.

Vacuum pad / Pad & screw set

Holders with the same "connection configuration code (M4 , M6 etc.)" can be connected. For connectable holders, please see the page of Pad holder only (page 384).

Multi-bellows series, Pad rubber alone P.560

Model code	Available as standard item										Connection config. code
	Pad rubber material										
	N	S	YS2	YS4	U	F	NE	G	HN	EP	
	Nitrile	Silicone	Extra soft silicone ^(*) Hardness 20°	Extra soft silicone ^(*) Hardness 40°	Urethane	Fluoro	Conductive NBR Low resistance	Food Sani. Act compliant NBR	HNBR	EPDM	
VP6W ⁽⁴⁾ ⁽⁵⁾	○	○	—	—	—	○	○	○	○	○	T8
VP8W ⁽⁴⁾ ⁽⁵⁾	○	○	—	—	—	○	○	○	○	○	M4 ^(*)
VP10W ⁽⁴⁾ ⁽⁵⁾	○	○	(*)	(*)	○	○	○	○	○	○	M6 ^(*)
VP20W ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	○	○	○	○	M6 ^(*)
VP30W ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	○	○	○	○	
VP40W ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	○	○	○	○	
VP50W ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	○	○	○	○	

Multi-bellows series, Pad & screw set P.560

Model code	Available as standard item										Connection config. code
	Pad rubber material										
	N	S	YS2	YS4	U	F	NE	G	HN	EP	
	Nitrile	Silicone	Extra soft silicone ^(*) Hardness 20°	Extra soft silicone ^(*) Hardness 40°	Urethane	Fluoro	Conductive NBR Low resistance	Food Sani. Act compliant NBR	HNBR	EPDM	-S3
											-S3 spec.
VP10W ⁽⁴⁾ ⁽⁵⁾ -M4 ⁽⁸⁾	○	○	(*)	(*)	○	○	○	○	○	○	M4
VP20W ⁽⁴⁾ ⁽⁵⁾ -M6 ⁽⁸⁾	○	○	○	○	○	○	○	○	○	○	
VP30W ⁽⁴⁾ ⁽⁵⁾ -M6 ⁽⁸⁾	○	○	○	○	○	○	○	○	○	○	
VP40W ⁽⁴⁾ ⁽⁵⁾ -M6 ⁽⁸⁾	○	○	○	○	○	○	○	○	○	○	
VP50W ⁽⁴⁾ ⁽⁵⁾ -M6 ⁽⁸⁾	○	○	○	○	○	○	○	○	○	○	

P.586		P.586		P.586		P.586	
Packaging bag 3 cnvs Lip hardness 20° Pad rubber alone		Packaging bag 3 cnvs Lip hardness 40° Pad rubber alone		Packaging bag 5 cnvs Lip hardness 20° Pad rubber alone		Packaging bag 5 cnvs Lip hardness 40° Pad rubber alone	
Model code	Connection config. code	Model code	Connection config. code	Model code	Connection config. code	Model code	Connection config. code
VP20PBS23 ⁽⁵⁾	PBB	VP20PBS43 ⁽⁵⁾	PBB	VP20PBS25 ⁽⁵⁾	PBB	VP20PBS45 ⁽⁵⁾	PBB
VP25PBS23 ⁽⁵⁾		VP25PBS43 ⁽⁵⁾		VP25PBS25 ⁽⁵⁾		VP25PBS45 ⁽⁵⁾	
VP30PBS23 ⁽⁵⁾		VP30PBS43 ⁽⁵⁾		VP30PBS25 ⁽⁵⁾		VP30PBS45 ⁽⁵⁾	
VP40PBS23 ⁽⁵⁾	PB15	VP40PBS43 ⁽⁵⁾	PB15	VP40PBS25 ⁽⁵⁾	PB15	VP40PBS45 ⁽⁵⁾	PB15
VP50PBS23 ⁽⁵⁾		VP50PBS43 ⁽⁵⁾		VP50PBS25 ⁽⁵⁾		VP50PBS45 ⁽⁵⁾	

P.586		P.586		P.586		P.586	
Oversuction preventing adapter Spherical type (exclusive to packaging bag pad)		Oversuction preventing adapter Spherical type with stainless steel mesh (exclusive to packaging bag pad)		Oversuction preventing adapter Plane type (exclusive to packaging bag pad)		Oversuction preventing adapter Plane type with stainless steel mesh (exclusive to packaging bag pad)	
Model code	Pad dia. (mm)	Model code	Pad dia. (mm)	Model code	Pad dia. (mm)	Model code	Pad dia. (mm)
VP20PB-FS	ø20	VP20PB-MS	ø20	VP20PB-FF	ø20	VP20PB-MF	ø20
VP25PB-FS	ø25	VP25PB-MS	ø25	VP25PB-FF	ø25	VP25PB-MF	ø25
VP30PB-FS	ø30	VP30PB-MS	ø30	VP30PB-FF	ø30	VP30PB-MF	ø30
VP40PB-FS	ø40	VP40PB-MS	ø40	VP40PB-FF	ø40	VP40PB-MF	ø40
VP50PB-FS	ø50	VP50PB-MS	ø50	VP50PB-FF	ø50	VP50PB-MF	ø50

Available pad size and material for surface treatment (Multi-bellows series) Add

Pad dia. (mm)	Surface treatment code		
	-DL DLC. coating	-ER Reformed surface	-FG Fluoro-coating (S) (YS2, YS4)
ø6	○	○	○
ø8	○	○	○
ø10	○	○	○
ø20	○	○	○
ø30	○	○	○
ø40	○	○	○
ø50	○	○	○
Material	S, F	N, NE	S, YS2, YS4

*3. Fluoro-coating of Extra soft silicone (YS2, YS4)
 For Extra soft silicone pads, dia. 10 mm can be selected only when Fluoro-coating treatment is selected.

Model code	Surface treatment code		Connection config. code
	YS2 Hardness 20°	YS4 Hardness 40°	
VP10W ⁽⁴⁾ -FG	○	○	M4 ^(*)
Pad & screw set			
VP10W ⁽⁴⁾ -FG-M4 ⁽⁸⁾	○	○	M4

Available pad size and material for surface treatment (For Packaging bag) Add

Pad dia. (mm)	Surface treatment code	
	-FG Fluoro-coating (3 cnvs)	(5 cnvs)
ø20	○	○
ø25	○	○
ø30	○	○
ø40	○	○
ø50	○	○

Holders with the same "connection configuration code (M4 , M6 etc.)" can be connected. For connectable holders, please see the page of Pad holder only (page 384).

Metal Detectable series (Bellows with bumps and ribs), Pad rubber alone P.590

Model code	Available as standard item				Connection config. code
	Pad rubber material				
	MSF3	MSF5	MSS3	MSS5	
	Metal detectable silicone				
	Iron powder type		SUS powder type		
	Hardness 30°	Hardness 50°	Hardness 30°	Hardness 50°	
VP10BE ⁽⁴⁾	○	○	○	○	M4 ^(*)
VP15BE ⁽⁴⁾	○	○	○	○	M6 ^(*)
VP20BE ⁽⁴⁾	○	○	○	○	

Metal Detectable series (Bellows with bumps and ribs), Pad & screw set P.590

Model code	Available as standard item				Connection config. code
	Pad rubber material				
	MSF3	MSF5	MSS3	MSS5	
	Metal detectable silicone				
	Iron powder type		SUS powder type		
	Hardness 30°	Hardness 50°	Hardness 30°	Hardness 50°	
VP10BE ⁽⁴⁾ -M4 ⁽⁸⁾	○	○	○	○	M4
VP15BE ⁽⁴⁾ -M4 ⁽⁸⁾	○	○	○	○	
VP20BE ⁽⁴⁾ -M6 ⁽⁸⁾	○	○	○	○	M6

Metal Detectable series (Bellows with bumps and no ribs), Pad rubber alone P.590

Model code	Available as standard item				Connection config. code
	Pad rubber material				
	MSF3	MSF5	MSS3	MSS5	
	Metal detectable silicone				
	Iron powder type		SUS powder type		
	Hardness 30°	Hardness 50°	Hardness 30°	Hardness 50°	
VP10BD ⁽⁴⁾	○	○	○	○	M4 ^(*)
VP15BD ⁽⁴⁾	○	○	○	○	M6 ^(*)
VP20BD ⁽⁴⁾	○	○	○	○	

Metal Detectable series (Bellows with bumps and no ribs), Pad & screw set P.590

Model code	Available as standard item				Connection config. code
	Pad rubber material				
	MSF3	MSF5	MSS3	MSS5	
	Metal detectable silicone				
	Iron powder type		SUS powder type		
	Hardness 30°	Hardness 50°	Hardness 30°	Hardness 50°	
VP10BD ⁽⁴⁾ -M4 ⁽⁸⁾	○	○	○	○	M4
VP15BD ⁽⁴⁾ -M4 ⁽⁸⁾	○	○	○	○	
VP20BD ⁽⁴⁾ -M6 ⁽⁸⁾	○	○	○	○	M6

Ultrathin series, Pad rubber alone P.604

Model code	Available as standard item						Connection config. code
	Pad rubber material						
	N	S	U	F	FS	NE	
	Nitrile	Silicone	Urethane	Fluoro	Fluoro silicone	Conductive NBR Low resistance	
VP8P ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	
VP10P ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	T8
VP15P ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	
VP20P ⁽⁴⁾ ⁽⁵⁾	○	○	○	○	○	○	

Available pad size and material for surface treatment (Ultrathin series) Add

Pad dia. (mm)	Surface treatment code		
	-DL DLC. coating	-ER Reformed surface	-FG Fluoro-coating
ø8	○	○	○
ø10	○	○	○
ø15	○	○	○
ø20	○	○	○
Material	S, F	N, NE	S



Notes
 *A pad screw is required to mount on the holder. If you do not have a pad screw, please select from the Pad & screw set.



CAD data is available at PISCO website.



Packaging specifications 1 pc./bag



Options
 [5] : Surface treatment
 [8] : -S3 ⇒ -S3 spec.

Holders with the same "connection configuration code" (M4, M6 etc.) can be connected. For connectable holders, please see the page of Pad holder only (page 384-).

 Flat series, Pad rubber alone P.622										 Flat series, Pad & screw set P.622									
Model code	○: Available as standard item						Connection config. code	Model code	○: Available as standard item						Connection config. code				
	④ Pad rubber material								④ Pad rubber material										
	N	S	U	F	SE	NE			N	S	U	F	SE	NE		-S3			
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)		Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	-S3 spec.					
VP10F④⑤	○	○	○	○	○	○	M4⑧⑨	VP10F④⑤-M4⑧	○	○	○	○	○	○	○	M4			
VP15F④⑤	○	○	○	○	○	○	M4⑧⑨	VP15F④⑤-M4⑧	○	○	○	○	○	○	○	M4			
VP20F④⑤	○	○	○	○	○	○	M6⑩⑪	VP20F④⑤-M6⑩	○	○	○	○	○	○	○	M6			
VP25F④⑤	○	○	○	○	○	○	M6⑩⑪	VP25F④⑤-M6⑩	○	○	○	○	○	○	○	M6			
VP30F④⑤	○	○	○	○	○	○	M6⑩⑪	VP30F④⑤-M6⑩	○	○	○	○	○	○	○	M6			

 Flat large suction flow series, Pad rubber alone P.622										 Flat large suction flow series, Pad & screw set P.622									
Model code	○: Available as standard item						Connection config. code	Model code	○: Available as standard item						Connection config. code				
	④ Pad rubber material								④ Pad rubber material										
	N	S	F	SE	NE	-S3			N	S	F	SE	NE	-S3					
	Nitrile	Silicone	Fluoro	Conductive silicone	Conductive NBR (Low resistance)			Nitrile	Silicone	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	-S3 spec.						
VP10FH④⑤	○	○	○	○	○	○	M4⑧⑨	VP10FH④⑤-M4⑧	○	○	○	○	○	○	M4				
VP15FH④⑤	○	○	○	○	○	○	M4⑧⑨	VP15FH④⑤-M4⑧	○	○	○	○	○	○	M4				
VP20FH④⑤	○	○	○	○	○	○	M6⑩⑪	VP20FH④⑤-M6⑩	○	○	○	○	○	○	M6				
VP25FH④⑤	○	○	○	○	○	○	M6⑩⑪	VP25FH④⑤-M6⑩	○	○	○	○	○	○	M6				
VP30FH④⑤	○	○	○	○	○	○	M6⑩⑪	VP30FH④⑤-M6⑩	○	○	○	○	○	○	M6				


 Mark-free series, Resin pad alone P.642										 Mark-free series, with Flexible Swing Joint P.642									
Model code	○: Available as standard item						Connection config. code	Model code	○: Available as standard item						Connection config. code				
	④ Pad rubber material								④ Pad rubber material										
	K	M	KE	-S3	Conductive PEEK	-S3 spec.			K	M	KE	-S3	Conductive PEEK	-S3 spec.					
	PEEK	POM	Conductive PEEK			PEEK	POM	Conductive PEEK											
VP10Q④	○	○	○	○	○	M4⑧⑨	VP10Q④-M4⑧	○	○	○	○	○	M4						
VP20Q④	○	○	○	○	○	M6⑩⑪	VP20Q④-M6⑩	○	○	○	○	○	M6						
VP30Q④	○	○	○	○	○	M6⑩⑪	VP30Q④-M6⑩	○	○	○	○	○	M6						


 Sponge series, Pad rubber alone P.656										 Sponge series, Pad & screw set P.656									
Model code	○: Available as standard item						Connection config. code	Model code	○: Available as standard item						Connection config. code				
	④ Pad rubber material								④ Pad rubber material										
	C	S	-S3	Chloroprene	Silicone	-S3 spec.			C	S	-S3	Chloroprene	Silicone	-S3 spec.					
	Chloroprene	Silicone				Chloroprene	Silicone												
VP10S④	○	○	○	○	○	M6⑩⑪	VP10S④-M6⑩	○	○	○	○	○	M6						
VP15S④	○	○	○	○	○	M6⑩⑪	VP15S④-M6⑩	○	○	○	○	○	M6						
VP20S④	○	○	○	○	○	M6⑩⑪	VP20S④-M6⑩	○	○	○	○	○	M6						
VP25S④	○	○	○	○	○	M6⑩⑪	VP25S④-M6⑩	○	○	○	○	○	M6						
VP30S④	○	○	○	○	○	M6⑩⑪	VP30S④-M6⑩	○	○	○	○	○	M6						
VP35S④	○	○	○	○	○	M6⑩⑪	VP35S④-M6⑩	○	○	○	○	○	M6						
VP50S④	○	○	○	○	○	M10⑫⑬	VP50S④-M10	○	○	○	○	○	M10						
VP70S④	○	○	○	○	○	M10⑫⑬	VP70S④-M10	○	○	○	○	○	M10						
VP100S④	○	○	○	○	○	M10⑫⑬	VP100S④-M10	○	○	○	○	○	M10						

Notes
 *1. A pad screw is required to mount on the holder. If you do not have a pad screw, please select from the Pad & screw set.
 *2. A Flexible Swing Joint is required to mount on the holder. If you do not have a Flexible Swing Joint, please select from the Mark-free series, with Flexible Swing Joint set.
 *3. For Pad & screw set of Sponge series 70 mm and 100 mm pad dia., the standard spec. is equivalent to "-S3" spec.

CAD data is available at PISCO website.
 Packaging specifications 1 pc./bag
 Options
 ⑤ : Surface treatment
 ⑧ : -S3 ⇒ -S3 spec.

Holders with the same "connection configuration code" (E10, E20 etc.) can be connected. For connectable holders, please see the page of Pad holder only (page 384-).

 Oval series, Pad rubber alone P.680														
Model code	○: Available as standard item											Connection config. code		
	④ Pad rubber material													
	N	S	U	F	SE	NE	HN	EP	-S3	Conductive silicone	Conductive NBR (Low resistance)			
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM						
VP2×4E④⑤	○	○	○	○	○	○	○	○	○	○	E10			
VP3×5E④⑤	○	○	○	○	○	○	○	○	○	○	E10			
VP4×10E④⑤	○	○	○	○	○	○	○	○	○	○	E20			
VP4×20E④⑤	○	○	○	○	○	○	○	○	○	○	E20			
VP4×30E④⑤	○	○	○	○	○	○	○	○	○	○	E10			
VP5×10E④⑤	○	○	○	○	○	○	○	○	○	○	E10			
VP5×20E④⑤	○	○	○	○	○	○	○	○	○	○	E20			
VP5×30E④⑤	○	○	○	○	○	○	○	○	○	○	E20			
VP6×10E④⑤	○	○	○	○	○	○	○	○	○	○	E10			
VP6×20E④⑤	○	○	○	○	○	○	○	○	○	○	E20			
VP6×30E④⑤	○	○	○	○	○	○	○	○	○	○	E20			
VP8×20E④⑤	○	○	○	○	○	○	○	○	○	○	E20			
VP8×30E④⑤	○	○	○	○	○	○	○	○	○	○	E20			

 Oval series, Pad & screw set P.680														
Model code	○: Available as standard item											Connection config. code		
	④ Pad rubber material													
	N	S	U	F	SE	NE	HN	EP	-S3	Conductive silicone	Conductive NBR (Low resistance)			
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM	-S3 spec.					
VP2×4E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP3×5E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP4×10E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP4×20E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP4×30E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP5×10E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP5×20E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP5×30E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP6×10E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP6×20E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP6×30E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP8×20E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			
VP8×30E④⑤-M6⑩	○	○	○	○	○	○	○	○	○	○	M6			

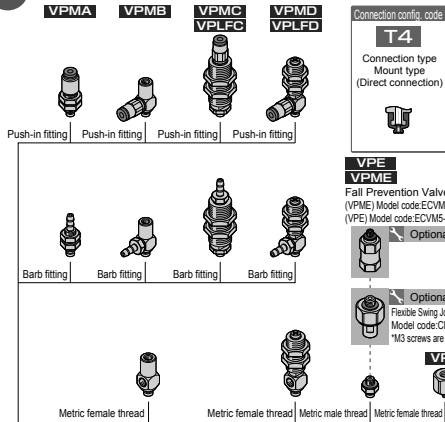
Notes
 *A pad screw is required to mount on the holder. If you do not have a pad screw, please select from the Pad & screw set.
 CAD data is available at PISCO website.
 Packaging specifications 1 pc./bag
 Options
 ⑤ : Surface treatment
 ⑧ : -S3 ⇒ -S3 spec.

Available pad size and material for surface treatment (Oval series)

Pad dia. (mm)	⑤ Surface treatment code		
	-DL	-ER	-FG
	DLC coating	Reformed surface	Fluoro-coating
2×4	○	○	○
3.5×7	○	○	○
4×10	○	○	○
4×20	○	○	○
4×30	○	○	○
5×10	○	○	○
5×20	○	○	○
5×30	○	○	○
6×10	○	○	○
6×20	○	○	○
6×30	○	○	○
8×20	○	○	○
8×30	○	○	○
Material	S, F, SE	N, NE	S, SE

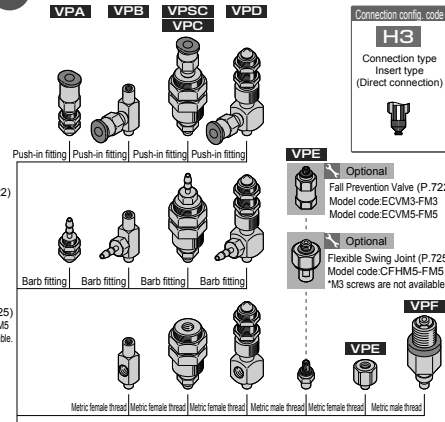
Vacuum Pad Configuration

Pad dia. : $\varnothing 0.7, \varnothing 1, \varnothing 1.5, \varnothing 2, \varnothing 3, \varnothing 4$ mm



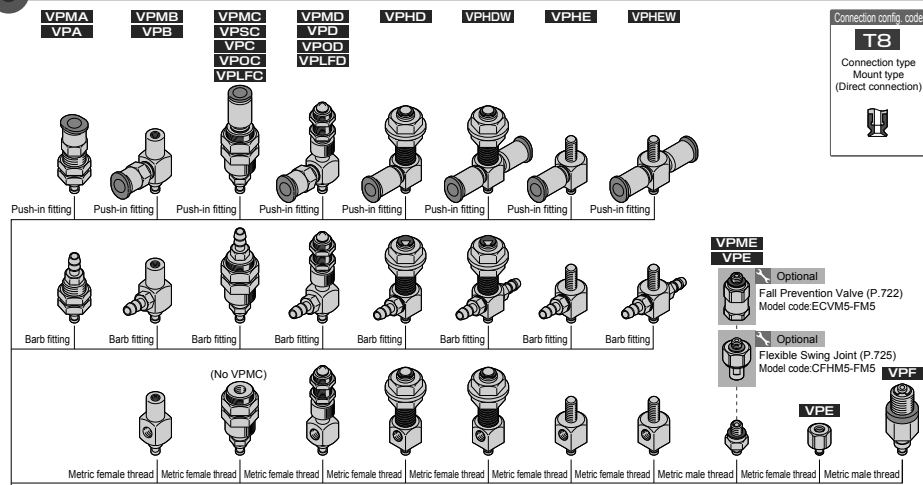
Standard pad (Small)
 Standard pad (Small) dia. : $\varnothing 0.7, \varnothing 1, \varnothing 1.5, \varnothing 2, \varnothing 3, \varnothing 4$ mm

Pad dia. : $\varnothing 1, \varnothing 2, \varnothing 3, \varnothing 4$ mm



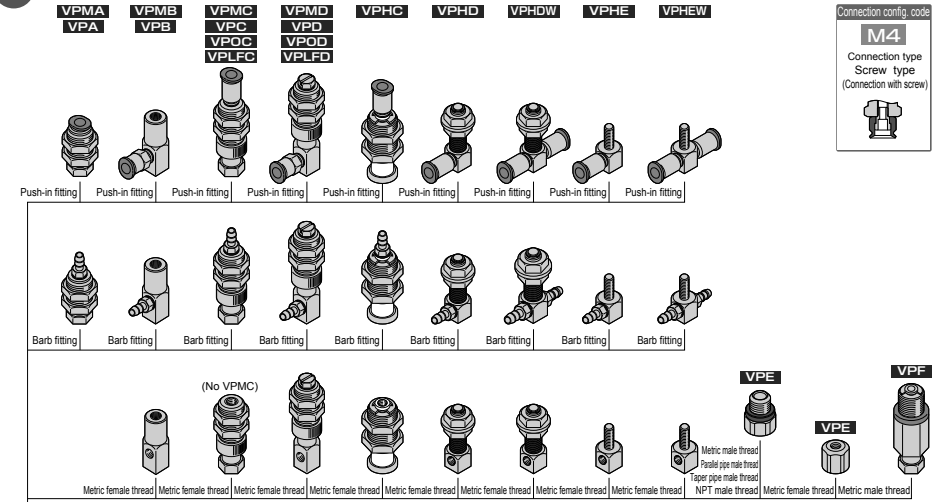
Standard pad (General)
 Bellows pad
 Standard pad (General) dia. : $\varnothing 1, \varnothing 2, \varnothing 3, \varnothing 4$ mm
 Bellows pad dia. : $\varnothing 2, \varnothing 4$ mm

Pad dia. : $\varnothing 6, \varnothing 8, \varnothing 10, \varnothing 15, \varnothing 20$ mm

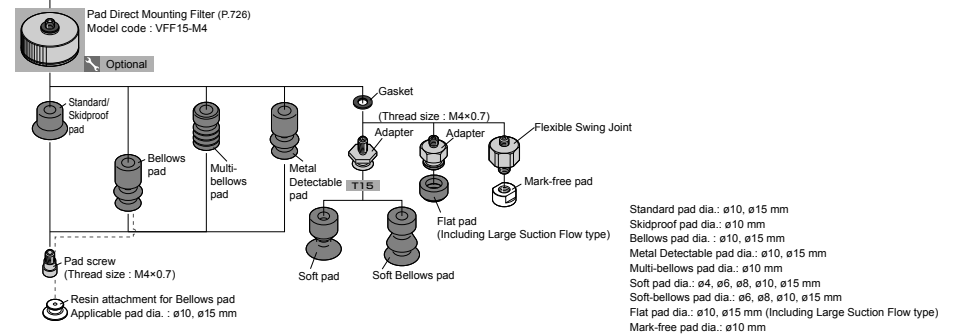


Standard pad (General)
 Ultrathin pad
 Multi-bellows pad
 Standard (General) / Bellows/Multi-bellows pad dia. : $\varnothing 6, \varnothing 8$ mm
 Ultrathin pad dia. : $\varnothing 8, \varnothing 10, \varnothing 15, \varnothing 20$ mm

Pad dia. : $\varnothing 4, \varnothing 6, \varnothing 8, \varnothing 10, \varnothing 15$ mm



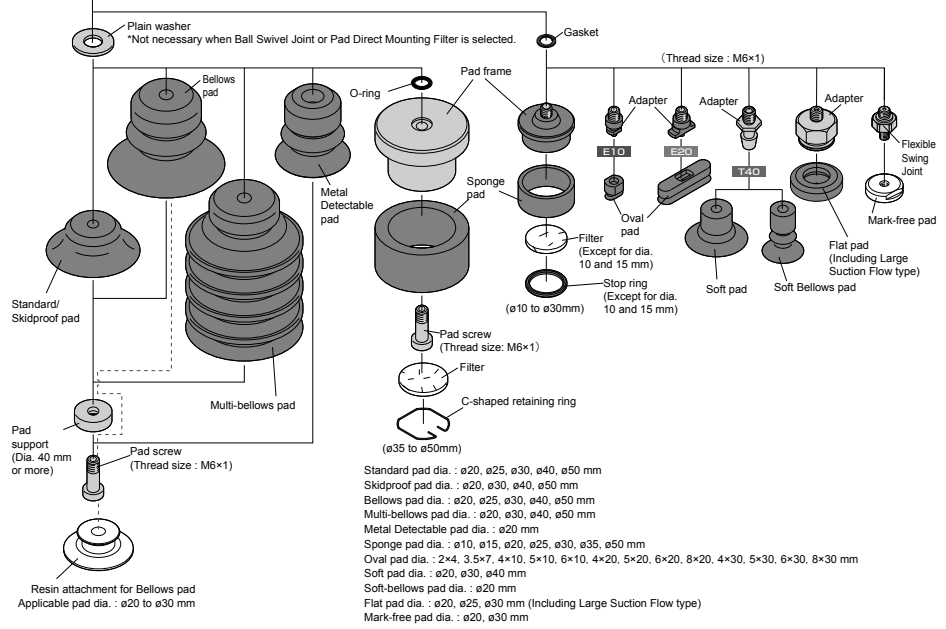
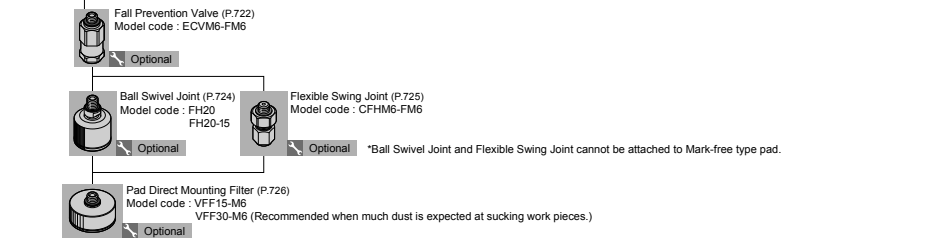
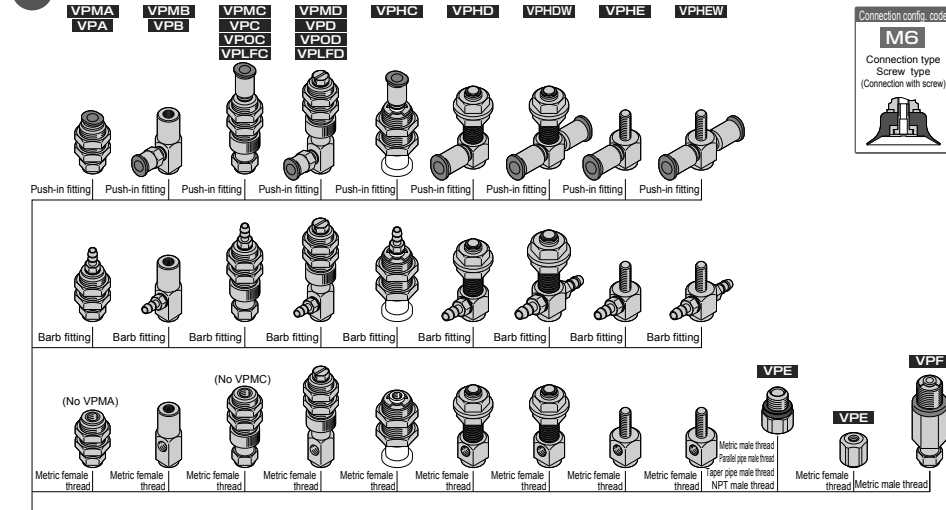
Fall Prevention Valve (P.722)
 Model code : ECVM4-FM4
 Ball Swivel Joint (P.724)
 Model code : FH10, FH10-15
 Flexible Swing Joint (P.725)
 Model code : CFHM4-FM4
 *Ball Swivel Joint and Flexible Swing Joint cannot be attached to Mark-free type pad.



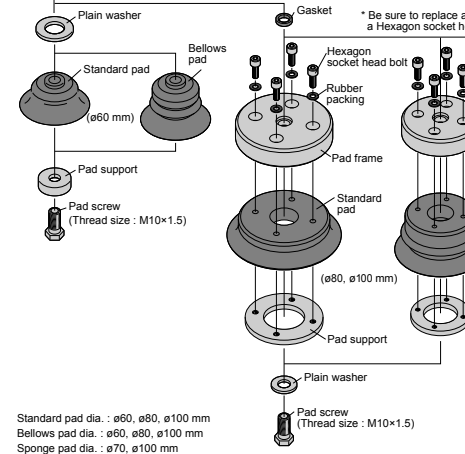
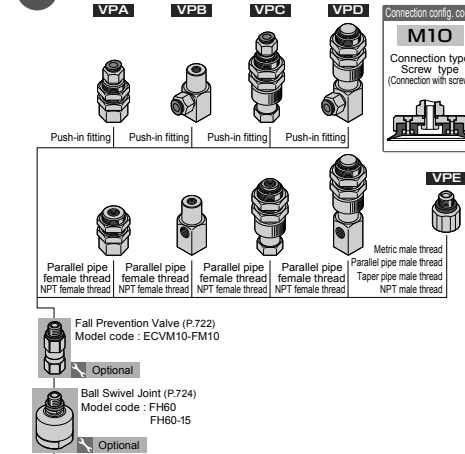
Standard pad dia. : $\varnothing 10, \varnothing 15$ mm
 Skidproof pad dia. : $\varnothing 10$ mm
 Bellows pad dia. : $\varnothing 10, \varnothing 15$ mm
 Metal Detectable pad dia. : $\varnothing 10, \varnothing 15$ mm
 Multi-bellows pad dia. : $\varnothing 10$ mm
 Soft pad dia. : $\varnothing 4, \varnothing 6, \varnothing 8, \varnothing 10, \varnothing 15$ mm
 Soft-bellows pad dia. : $\varnothing 6, \varnothing 8, \varnothing 10, \varnothing 15$ mm
 Flat pad dia. : $\varnothing 10, \varnothing 15$ mm (Including Large Suction Flow type)
 Mark-free pad dia. : $\varnothing 10$ mm

Vacuum Pad Configuration

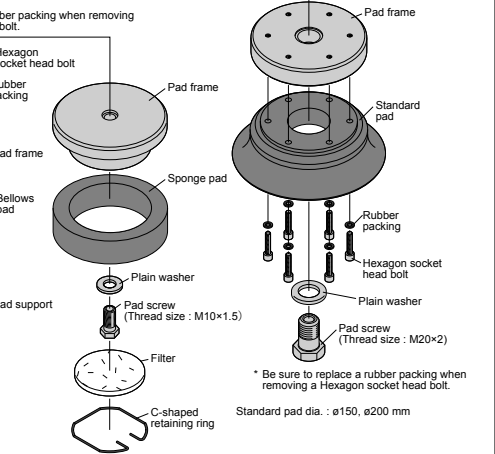
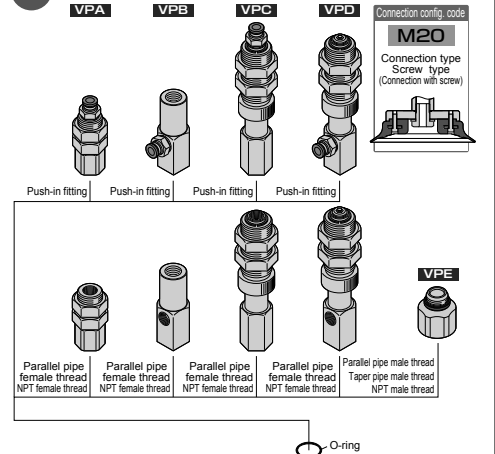
Pad dia. : $\phi 10, \phi 15, \phi 20, \phi 25, \phi 30, \phi 35, \phi 40, \phi 50$ mm



Pad dia. : $\phi 60, \phi 70, \phi 80, \phi 100$ mm

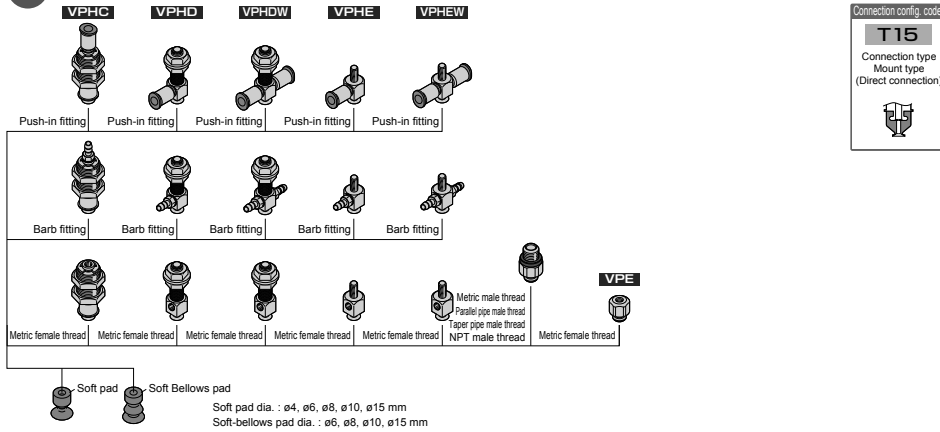


Pad dia. : $\phi 150, \phi 200$ mm

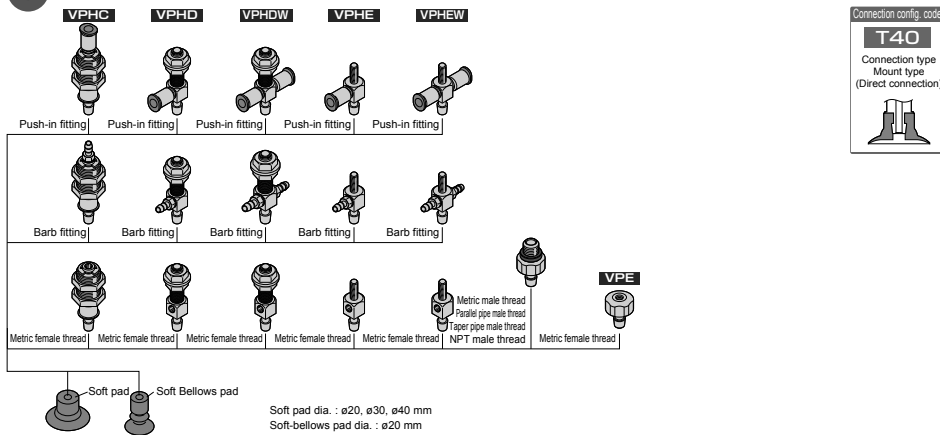


Vacuum Pad Configuration

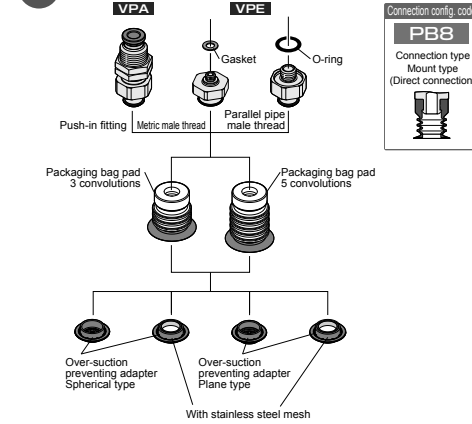
Pad dia. : $\varnothing 4, \varnothing 6, \varnothing 8, \varnothing 10, \varnothing 15$ mm (Exclusive to Soft and Soft Bellows type)



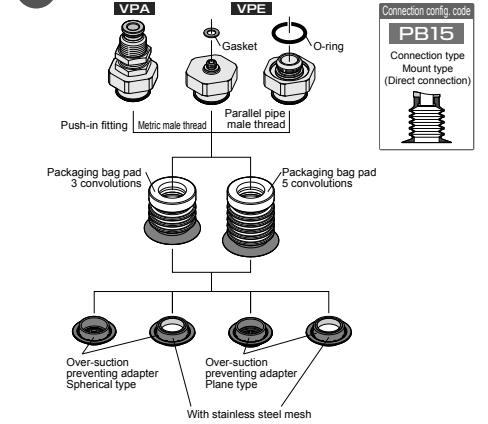
Pad dia. : $\varnothing 20, \varnothing 30, \varnothing 40$ mm (Exclusive to Soft and Soft Bellows type)



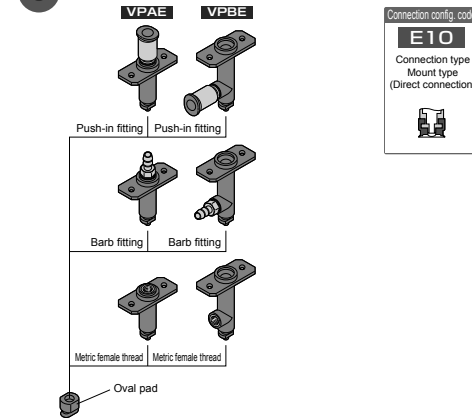
Pad dia. : $\varnothing 20, \varnothing 25$ mm (Exclusive to Vacuum pad for packaging bag)



Pad dia. : $\varnothing 30, \varnothing 40, \varnothing 50$ mm (Exclusive to Vacuum pad for packaging bag)



Pad size : 2x4, 3.5x7, 4 to 6x10 mm (Exclusive to Oval type)



Pad size : 4 to 8x20 mm, 4 to 8x30 mm (Exclusive to Oval type)

