

Vacuum Pad Soft Bellows Type

Vacuum pad for inclined molded plastic parts etc. (Bellows convolution: 1)

⚠ 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)	C (2)	10 (3)	-6 (4)	LB (5)	N (6)	-ER (7)	-6J (8)	-DC (9)	-ECV (10)	-FH (11)	-F15 (12)	(13)
						Optional		Optional	Optional	Optional	Optional	Optional

(1) Vacuum Pad

(2) Holder type

Holder type		Fixed type		Spring type				Holder type	Lightweight	Low profile					
		Mini	Standard	Mini	Standard	No cover	Low dust emission		Spring type	Direct mount					
Code	Top port	MA	A	MC	C	OC	LFC	Code	Top port	HC(*)	-				
	Side port	MB	B	MD	D	OD	LFD		Side port	HD(*)	HE(*)				
	Direct mount	-	E(*)	-	F	-	-		Dual side port	HDW(*)	HEW(*)				
Connection config. code		M4	M6	M4	M6	M4	M6	M4	M6	Connection config. code		T15	T40	T15	T40
												M4	M6	M4	M6

E, HC, HD, HDW, HE and HEW holders have a setting of configuration code M4, M6, T15 and T40, but only T15 and T40 are available for pad and holder set. Only M4 and M6 configuration code are available for holders except for ().

(3) Pad dia.

Code	6	8	10	15	20
Pad dia. (mm)	ø6	ø8	ø10	ø15	ø20
Connection config. code		M4 T15		M6 T40	

(4) Stroke (No code entry for Holder type: MA, A, MB, B, E, F, HE and HEW)

Code	-2	-4	-5	-6	-9	-10	-15	-20	-25	-30	-40	-50
Stroke (mm)	2	4	5	6	9	10	15	20	25	30	40	50
Spring type holder code	VPMC	●										
	VPC		●									
	VPOC				●							
	VPLFC	●										
	VPLFD		●									
	VPMD											
	VPD				●							
	VPOD											
	VPLFD											
	VPHC											
	VPHD											
	VPHDW											

Connection config. code
●: M4
●: M6
●: T15
●: T40

(5) Pad type LB: Soft Bellows

(6) Pad material

Code	N	S	U	SE	NE	HN	EP
Rubber material	Nitrile	Silicone	Urethane	Conductive Silicone	Conductive NBR (Low resistance)	HNBR	EPDM

*1. 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)
*2. Nitrile rubber (N) and Conductive NBR (Low resistance type, Volume resistance: 200 Ω·cm or less) (NE) are not suitable for use with ozone environment.

(7) Pad surface treatment for suction mark-free

Code	No code	-NF	-SF	-DL	-ER	-FG
Surface treatment	None	Fiber surface		DLC coating	Reformed surface	Fluoro-coating
		Nylon	Silk			
Applicable pad material	—	Silicone (S)		Silicone (S), Conductive Silicone (SE)	Nitrile (N), Conductive NBR (Low resistance) (NE)	Silicone (S), Conductive Silicone (SE)
Applicable pad dia.	—	ø10 to ø20mm		ø6 to ø20mm	ø6 to ø20mm	ø6 to ø20mm

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

(8) Vacuum port size and joint type (No code entry for Holder type: F) (○: Available)

Type	Push-in fitting								Barb fitting				Female thread	
Code	mm size (mm)				inch size (inch)				mm size (mm)		inch size (inch)		Metric thread	
Tube O.D.	-180J	-2J	-3J	-4J	-6J	-1/8J	-5/32J	-1/4J	-3B	-4B*	-6B	-1/4B	-M5	-M6
Tube I.D.									ø2	ø2.5	ø4	Polyurethane tube ø0.163 Nylon tube ø0.180		
Thread size													M5×0.8	M6×1
Holder type	VPMA			○	○		○	○	○	○	○			○
	VPA			○	○		○	○	○	○	○			○
	VPMB	○	○	○	○	○	○	○	○	○	○	○		○
	VPB			○	○		○	○	○	○	○			○
	VPMC	○	○	○	○	○	○	○	○	○	○			○
	VPC			○	○		○	○	○	○	○			○
	VPOC			○	○		○	○	○	○	○			○
	VPLFC			○	○		○	○	○	○	○		○	○
	VPMD	○	○	○	○		○	○	○	○	○		○	○
	VPD			○	○		○	○	○	○	○			○
	VPOD			○	○		○	○	○	○	○			○
	VPLFD			○	○		○	○	○	○	○		○	○
	VPHC	○	○	○	○		○	○	○	○	○			○
	VPHD	○	○	○	○		○	○	○	○	○			○
	VPHDW	○	○	○	○		○	○	○	○	○			○
VPHE	○	○	○	○		○	○	○	○	○			○	
VPHEW	○	○	○	○		○	○	○	○	○			○	

Push-in fitting

Barb fitting

Female thread

*Available port size varies depending on pad dia. See model code lists on the following pages.

*The barb fitting of 5/32" is common with 4 mm size. Please order with the code: -4B.

Type	Male thread														Female thread			
	Metric thread				Taper pipe thread				Parallel pipe thread				NPT thread				Metric thread	
Code	-M8	-M10	-M12	-M14	-R1	-R2	-R3	-R4	-G1	-G2	-G3	-G4	-N1	-N2	-N3	-N4	-FM5	-FM8
Thread size	M8×1.25	M10×1.5	M12×1.75	M14×2	R1/8	R1/4	R3/8	R1/2	G1/8	G1/4	G3/8	G1/2	NPT1/8	NPT1/4	NPT3/8	NPT1/2	M5×0.8	M8×1.25
Holder type	VPE	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Direct mount



*Configuration code: M4 and T15 are not available for R4 and G4 thread size.

(9) Dust Catcher (Holder type: C, D and F only)

Code	No code	-DC
Dust Catcher	None	Installed

*Note that the holder stroke becomes shorter when a dust catcher is installed. Please visit our website for details.



(9) Spring load (Holder type: LFC only)

Code	No code	-SF1/4
Load	Standard load	Low load (1/4 of standard load)

**SF1/4" is not selectable when 2 mm stroke is selected.

(10) Fall Prevention Valve (Not available for configuration code: T15 and T40.)

Code	No code	-ECV
Fall Prevention Valve	None	Installed
Applicable config. code	—	M4, M6

*1. -S3 spec. is not selectable when Fall Prevention Valve is selected.
*2. Fall prevention valve cannot be installed when selecting fiber surface type (-SF, -NF) for surface treatment.



(11) Swivel Joint for vacuum pad (Not available for configuration code: T15 and T40.)

Code	No code	-FH	-FHH	-CFH
Option	None	Ball Swivel Joint (Swivel angle: 30°)	Ball Swivel Joint (Swivel angle: 15°)	Flexible Swing Joint (Swing angle: 8°)
Applicable config. code	—	M4, M6		

*-S3 spec. is not selectable when Ball Swivel Joint is selected.



(12) Filter (Not available for configuration code: T15 and T40.)

Code	No code	-F15	-F30
Filter	None	Installed (Filter area 1.7 cm ²)	Installed (Filter area 7 cm ²)
Applicable config. code	—	M4, M6	M6

*1. -S3 spec. is not selectable when Filter is selected.

*2. -F30" is recommended when much dust is expected at sucking work pieces.



(13) -S3 spec.

Code	No code	-S3
Metal material	Standard	No copper-based metallic materials used in flow paths.
Seal rubber material	Standard	HNBR or FKM
Release ring color	Black	Dark blue

*1. -S3 spec. is not available for the following fittings and holders:
-Push-in fitting with dia. size of 1.8, 2, 3 mm and inch sizes except dia. 1/8" (some) and 5/32".
-Barb fitting with dia. of 1/4".
-Pad holder with stroke length 10 mm or longer (except for VPHC holders).
-VPLFC and VPLFD holders.
*2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."

Characteristics

Elastic bellows part reduces the load applied on fragile or inclined work-piece.

5 pad holders suitable for taking out molded parts are available.

- Lightweight VPHC holder that is made of resin and aluminum.
- Lightweight VPHD and VPHDW holders with spring type without cover.
- VPHE and VPHEW holders with reduced height.
- VPHDW and VPHEW holders with dual side vacuum ports, suitable for piping connection of multiple vacuum pads.

Silicone (S) is Food Sanitation Act compliant.

(Holder is not compliant. Vacuum pad complies only at work-piece contact area.)

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

Low dust emission holders (VPLFC, VPLFD) with low noise and less wear from sliding are available to prevent dust generation.

VPLFC holder with top port has a separate shaft on the pad side and the vacuum port side, so there is no effect on the stroke caused by the tension of the tube. Low load type is also available to suppress impact when contacting the work-piece.

Wide variations of fixed type direct mount holder (VPE) for various thread sizes.

Metric male threads, metric female threads, taper pipe threads, parallel pipe threads and NPT threads are available.

*Only a part of the combinations are shown on the model code list from the next page onward. Contact us for the details.

Pad surface treatment for suction mark-free (Optional)

NEW Fluoro-coating type is added to the pad rubber surface treatment option to prevent tracing marks.

- Fiber surface type: Fiber (nylon or silk) on the pad surface prevents rubber material transfer by not directly touching the work-piece.
- DLC coating type: Slippery special coating. Effective for sticking prevention of lightweight or thin work-piece.
- Reformed surface type: Reduces tracing marks by surface reforming of nitrile rubber with chemicals.
- Fluoro-coating type: Surface reforming by special treatment prevents sticking to work-pieces and bellows. Improved pad durability and wear resistance.

Holder with dust catcher (Optional)

Collects wear debris generated by sliding spring type holders. Low-cost, simple holder with receiver tray added.

Applicable to VPC, VPD and VPF holders.

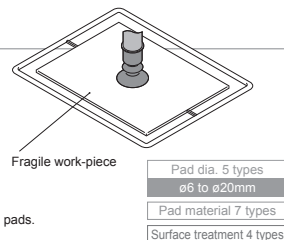
Accessories (Optional)

Fall Prevention Valve, Swivel (Ball Swivel Joint, Flexible Swing Joint) and Filter options are available.

-S3 spec. (Optional)

No copper-based metallic materials used in flow paths.

The sealing rubber material of the fitting is HNBR or FKM, with good ozone resistance.



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

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 -S3 spec.	Connection config. code	Pad dia.	Tube O.D. (inch)	Model code	13 -S3 -S3 spec.	Connecti on config. code			
Fixed type, Top port, Push-in fitting, Mini VPMA 	ø6	ø3	VPM6A6LB617-3J	—	M4	ø6	ø5/32	VPM6A6LB617-5/32J13	○	M4			
		ø4	VPM6A6LB617-4J13	○		ø8	ø5/32	VPM6A8LB617-5/32J13	○				
	ø8	ø3	VPM6A8LB617-3J	—		ø10	ø5/32	VPM6A10LB617-5/32J13	○				
		ø4	VPM6A8LB617-4J13	○		ø15	ø5/32	VPM6A15LB617-5/32J13	○				
	ø10	ø3	VPM6A10LB617-3J	—		ø20	ø5/32	VPM6A20LB617-5/32J13	○				
		ø4	VPM6A10LB617-4J13	○									
	ø15	ø3	VPM6A15LB617-3J	—									
		ø4	VPM6A15LB617-4J13	○									
	ø20	ø4	VPM6A20LB617-4J13	○									
		ø6	VPM6A20LB617-6J13	○									
Fixed type, Top port, Push-in fitting, Standard VPA 	ø6	ø6	VPA6LB617-6J13	○	M4	ø6	ø1/4	VPA6LB617-1/4J	—	M4			
		ø8	VPA8LB617-6J13	○		ø8	ø1/4	VPA8LB617-1/4J	—				
	ø10	ø6	VPA10LB617-6J13	○		ø10	ø1/4	VPA10LB617-1/4J	—				
		ø6	VPA15LB617-6J13	○		ø15	ø1/4	VPA15LB617-1/4J	—				
	ø20	ø3	VPA20LB617-3J	—		ø20	ø5/32	VPA20LB617-5/32J13	○				
		ø4	VPA20LB617-4J13	○									
	ø20	ø6	VPA20LB617-6J13	○									
		ø8	VPA20LB617-8J13	○									
	Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code		13 -S3 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)		Model code	13 -S3 -S3 spec.	Connecti on config. code
	Fixed type, Top port, Female thread, Standard VPA	ø20	M6×1	VPA20LB617-M613		○	M6						



Notes

*Barb fitting type holders are also selectable. Contact us for the details.



CAD data is available at PISCO website.



Packaging specifications 1 pc./bag



Options

17: Surface treatment (Fiber surface, DLC coating, Reformed surface, and Fluoro-coating)

13: -S3 ⇒ -S3 spec. (○ in the lists: Available)

*1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.

*2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."

Optional items ⇒ P.506

Surface treatment

Fall Prevention Valve

Swivel Joint for vacuum pad

Filter

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

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code
Fixed type, Side port, Push-in fitting, Mini VPMB 	ø6	ø3	VPMB6LB[6]7-3J	—	M4	ø6	ø1/8	VPMB6LB[6]7-1/8J	—	M4
		ø4	VPMB6LB[6]7-4J	○			ø5/32	VPMB6LB[6]7-5/32J	○	
		ø6	VPMB6LB[6]7-6J	○			ø1/4	VPMB6LB[6]7-1/4J	—	
	ø8	ø3	VPMB8LB[6]7-3J	—			ø1/8	VPMB8LB[6]7-1/8J	—	
		ø4	VPMB8LB[6]7-4J	○			ø5/32	VPMB8LB[6]7-5/32J	○	
		ø6	VPMB8LB[6]7-6J	○			ø1/4	VPMB8LB[6]7-1/4J	—	
	ø10	ø3	VPMB10LB[6]7-3J	—			ø1/8	VPMB10LB[6]7-1/8J	—	
		ø4	VPMB10LB[6]7-4J	○			ø5/32	VPMB10LB[6]7-5/32J	○	
		ø6	VPMB10LB[6]7-6J	○			ø1/4	VPMB10LB[6]7-1/4J	—	
	ø15	ø3	VPMB15LB[6]7-3J	—			ø1/8	VPMB15LB[6]7-1/8J	—	
		ø4	VPMB15LB[6]7-4J	○			ø5/32	VPMB15LB[6]7-5/32J	○	
		ø6	VPMB15LB[6]7-6J	○			ø1/4	VPMB15LB[6]7-1/4J	—	
Fixed type, Side port, Female thread, Mini VPMB 	ø20	ø4	VPMB20LB[6]7-4J	○	M6	ø20	ø5/32	VPMB20LB[6]7-5/32J	○	M6
		ø6	VPMB20LB[6]7-6J	○			ø1/4	VPMB20LB[6]7-1/4J	—	

Notes
*Holders are also available in Push-in fitting type for tube O.D. of 1.8 mm and 2 mm, and barb fitting type. Contact us for the details.

CAD
CAD data is available
at PISCO website.

Packaging specifications
1 pc./bag

Options
17: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
13: -S3 ⇒ -S3 spec. (○ in the lists: Available)
*1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.
*2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."



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

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code
Fixed type, Side port, Push-in fitting, Standard VPB 	ø6	ø3	VPB6LB[6]7-3J	—	M4	ø6	ø1/8	VPB6LB[6]7-1/8J	—	M4
		ø4	VPB6LB[6]7-4J	○			ø5/32	VPB6LB[6]7-5/32J	○	
		ø6	VPB6LB[6]7-6J	○			ø1/4	VPB6LB[6]7-1/4J	—	
	ø8	ø3	VPB8LB[6]7-3J	—			ø1/8	VPB8LB[6]7-1/8J	—	
		ø4	VPB8LB[6]7-4J	○			ø5/32	VPB8LB[6]7-5/32J	○	
		ø6	VPB8LB[6]7-6J	○			ø1/4	VPB8LB[6]7-1/4J	—	
	ø10	ø3	VPB10LB[6]7-3J	—			ø1/8	VPB10LB[6]7-1/8J	—	
		ø4	VPB10LB[6]7-4J	○			ø5/32	VPB10LB[6]7-5/32J	○	
		ø6	VPB10LB[6]7-6J	○			ø1/4	VPB10LB[6]7-1/4J	—	
	ø15	ø3	VPB15LB[6]7-3J	—			ø1/8	VPB15LB[6]7-1/8J	—	
		ø4	VPB15LB[6]7-4J	○			ø5/32	VPB15LB[6]7-5/32J	○	
		ø6	VPB15LB[6]7-6J	○			ø1/4	VPB15LB[6]7-1/4J	—	
Fixed type, Side port, Female thread, Standard VPB 	ø20	ø4	VPB20LB[6]7-4J	○	M6	ø20	ø5/32	VPB20LB[6]7-5/32J	○	M6
		ø6	VPB20LB[6]7-6J	○			ø1/4	VPB20LB[6]7-1/4J	—	

Notes
*Barb fitting type holders are also selectable. VPMC holders are also available in Push-in fitting type for tube O.D. of 1.8 mm and 2 mm. Contact us for the details.

CAD
CAD data is available
at PISCO website.

Packaging specifications
1 pc./bag

Options
17: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
13: -S3 ⇒ -S3 spec. (○ in the lists: Available)
*1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.
*2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."



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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	13 -S3 -S3 spec.	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (inch)	Model code	13 -S3 -S3 spec.	Connection config. code
Spring type, Top port, Push-in fitting, Standard VPC 	ø6	6	ø3	VPC6-6LB617-3J9	—	M4	ø6	6	ø1/8	VPC6-6LB617-1/4J9	—	M4
			ø4	VPC6-6LB617-4J9	○				ø5/32	VPC6-6LB617-5/16J9	○	
			ø6	VPC6-6LB617-6J9	○				ø1/4	VPC6-6LB617-1/2J9	—	
		10	ø3	VPC6-10LB617-3J9	—			10	ø1/8	VPC6-10LB617-1/2J9	—	
			ø4	VPC6-10LB617-4J9	—				ø5/32	VPC6-10LB617-5/16J9	—	
			ø6	VPC6-10LB617-6J9	—				ø1/4	VPC6-10LB617-1/2J9	—	
		15	ø3	VPC6-15LB617-3J9	—			15	ø1/8	VPC6-15LB617-1/2J9	—	
			ø4	VPC6-15LB617-4J9	—				ø5/32	VPC6-15LB617-5/16J9	—	
			ø6	VPC6-15LB617-6J9	—				ø1/4	VPC6-15LB617-1/2J9	—	
		20	ø3	VPC6-20LB617-3J9	—			20	ø1/8	VPC6-20LB617-1/2J9	—	
			ø4	VPC6-20LB617-4J9	—				ø5/32	VPC6-20LB617-5/16J9	—	
			ø6	VPC6-20LB617-6J9	—				ø1/4	VPC6-20LB617-1/2J9	—	
	ø8	6	ø3	VPC8-6LB617-3J9	—	M4	ø8	6	ø1/8	VPC8-6LB617-1/2J9	—	M4
			ø4	VPC8-6LB617-4J9	○				ø5/32	VPC8-6LB617-5/16J9	○	
			ø6	VPC8-6LB617-6J9	○				ø1/4	VPC8-6LB617-1/2J9	—	
		10	ø3	VPC8-10LB617-3J9	—			10	ø1/8	VPC8-10LB617-1/2J9	—	
			ø4	VPC8-10LB617-4J9	—				ø5/32	VPC8-10LB617-5/16J9	—	
			ø6	VPC8-10LB617-6J9	—				ø1/4	VPC8-10LB617-1/2J9	—	
		15	ø3	VPC8-15LB617-3J9	—			15	ø1/8	VPC8-15LB617-1/2J9	—	
			ø4	VPC8-15LB617-4J9	—				ø5/32	VPC8-15LB617-5/16J9	—	
			ø6	VPC8-15LB617-6J9	—				ø1/4	VPC8-15LB617-1/2J9	—	
		20	ø3	VPC8-20LB617-3J9	—			20	ø1/8	VPC8-20LB617-1/2J9	—	
			ø4	VPC8-20LB617-4J9	—				ø5/32	VPC8-20LB617-5/16J9	—	
			ø6	VPC8-20LB617-6J9	—				ø1/4	VPC8-20LB617-1/2J9	—	
	ø10	6	ø3	VPC10-6LB617-3J9	—	M4	ø10	6	ø1/8	VPC10-6LB617-1/2J9	—	M4
			ø4	VPC10-6LB617-4J9	○				ø5/32	VPC10-6LB617-5/16J9	○	
			ø6	VPC10-6LB617-6J9	○				ø1/4	VPC10-6LB617-1/2J9	—	
		10	ø3	VPC10-10LB617-3J9	—			10	ø1/8	VPC10-10LB617-1/2J9	—	
			ø4	VPC10-10LB617-4J9	—				ø5/32	VPC10-10LB617-5/16J9	—	
			ø6	VPC10-10LB617-6J9	—				ø1/4	VPC10-10LB617-1/2J9	—	
		15	ø3	VPC10-15LB617-3J9	—			15	ø1/8	VPC10-15LB617-1/2J9	—	
			ø4	VPC10-15LB617-4J9	—				ø5/32	VPC10-15LB617-5/16J9	—	
			ø6	VPC10-15LB617-6J9	—				ø1/4	VPC10-15LB617-1/2J9	—	
		20	ø3	VPC10-20LB617-3J9	—			20	ø1/8	VPC10-20LB617-1/2J9	—	
			ø4	VPC10-20LB617-4J9	—				ø5/32	VPC10-20LB617-5/16J9	—	
			ø6	VPC10-20LB617-6J9	—				ø1/4	VPC10-20LB617-1/2J9	—	
	ø15	6	ø3	VPC15-6LB617-3J9	—	M6	ø15	6	ø1/8	VPC15-6LB617-1/2J9	—	M6
			ø4	VPC15-6LB617-4J9	○				ø5/32	VPC15-6LB617-5/16J9	○	
			ø6	VPC15-6LB617-6J9	○				ø1/4	VPC15-6LB617-1/2J9	—	
		10	ø3	VPC15-10LB617-3J9	—			10	ø1/8	VPC15-10LB617-1/2J9	—	
			ø4	VPC15-10LB617-4J9	—				ø5/32	VPC15-10LB617-5/16J9	—	
			ø6	VPC15-10LB617-6J9	—				ø1/4	VPC15-10LB617-1/2J9	—	
		15	ø3	VPC15-15LB617-3J9	—			15	ø1/8	VPC15-15LB617-1/2J9	—	
			ø4	VPC15-15LB617-4J9	—				ø5/32	VPC15-15LB617-5/16J9	—	
			ø6	VPC15-15LB617-6J9	—				ø1/4	VPC15-15LB617-1/2J9	—	
		20	ø3	VPC15-20LB617-3J9	—			20	ø1/8	VPC15-20LB617-1/2J9	—	
			ø4	VPC15-20LB617-4J9	—				ø5/32	VPC15-20LB617-5/16J9	—	
			ø6	VPC15-20LB617-6J9	—				ø1/4	VPC15-20LB617-1/2J9	—	
	ø20	6	ø3	VPC20-6LB617-3J9	—	M6	ø20	6	ø1/8	VPC20-6LB617-1/2J9	—	M6
			ø4	VPC20-6LB617-4J9	○				ø5/32	VPC20-6LB617-5/16J9	○	
			ø6	VPC20-6LB617-6J9	○				ø1/4	VPC20-6LB617-1/2J9	—	
		10	ø3	VPC20-10LB617-3J9	—			10	ø1/8	VPC20-10LB617-1/2J9	—	
			ø4	VPC20-10LB617-4J9	—				ø5/32	VPC20-10LB617-5/16J9	—	
			ø6	VPC20-10LB617-6J9	—				ø1/4	VPC20-10LB617-1/2J9	—	
		15	ø3	VPC20-15LB617-3J9	—			15	ø1/8	VPC20-15LB617-1/2J9	—	
			ø4	VPC20-15LB617-4J9	—				ø5/32	VPC20-15LB617-5/16J9	—	
			ø6	VPC20-15LB617-6J9	—				ø1/4	VPC20-15LB617-1/2J9	—	
		20	ø3	VPC20-20LB617-3J9	—			20	ø1/8	VPC20-20LB617-1/2J9	—	
			ø4	VPC20-20LB617-4J9	—				ø5/32	VPC20-20LB617-5/16J9	—	
			ø6	VPC20-20LB617-6J9	—				ø1/4	VPC20-20LB617-1/2J9	—	

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

Holder type	Pad dia. (mm)	Stroke (mm)	Male thread size	Model code	13 -S3 -S3 spec.	Connection config. code
Spring type, Top port, Female thread, Standard VPC 	ø6	6	M6x1	VPC6-6LB617-M69	○	M4
		10		VPC6-10LB617-M69	—	
		15		VPC6-15LB617-M69	—	
	ø8	6	M6x1	VPC8-6LB617-M69	○	
		10		VPC8-10LB617-M69	—	
		15		VPC8-15LB617-M69	—	
	ø10	6	M6x1	VPC10-6LB617-M69	○	
		10		VPC10-10LB617-M69	—	
		15		VPC10-15LB617-M69	—	
	ø15	6	M6x1	VPC15-6LB617-M69	○	
		10		VPC15-10LB617-M69	—	
		15		VPC15-15LB617-M69	—	
	ø20	6	M6x1	VPC20-6LB617-M69	○	M6
		10		VPC20-10LB617-M69	—	
		15		VPC20-15LB617-M69	—	
	ø20	20	M6x1	VPC20-20LB617-M69	—	
		20		VPC20-20LB617-M69	—	
		20		VPC20-20LB617-M69	—	

Notes
*Barb fitting type holders are also selectable. Contact us for the details.

CAD
CAD data is available
at PISCO website.

Packages
Packaging specifications
1 pc./bag

Options
⑦: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
⑨: -DC ⇒ Holder with dust catcher
⑬: -S3 ⇒ -S3 spec. (○ in the lists: Available)
*1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.
*2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."

Optional items ⇒ P.506	Surface treatment	Dust Catcher (VPC)	Fall Prevention Valve	Swivel Joint for vacuum pad	Filter
					

Vacuum Pad Soft Bellows Type

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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (inch)	Model code	Connection config. code
Spring type, Top port, Push-in fitting, No cover VPOC 	ø6	20	ø3	VPOC6-20LB[6]7-3J	ø6	ø6	20	ø1/8	VPOC6-20LB[6]7-1/4J	ø6
			ø4	VPOC6-20LB[6]7-4J				ø5/32	VPOC6-20LB[6]7-5/32J	
			ø6	VPOC6-20LB[6]7-6J				ø1/4	VPOC6-20LB[6]7-1/4J	
		30	ø3	VPOC6-30LB[6]7-3J			30	ø1/8	VPOC6-30LB[6]7-1/4J	
			ø4	VPOC6-30LB[6]7-4J				ø5/32	VPOC6-30LB[6]7-5/32J	
			ø6	VPOC6-30LB[6]7-6J				ø1/4	VPOC6-30LB[6]7-1/4J	
		40	ø3	VPOC6-40LB[6]7-3J			40	ø1/8	VPOC6-40LB[6]7-1/4J	
			ø4	VPOC6-40LB[6]7-4J				ø5/32	VPOC6-40LB[6]7-5/32J	
			ø6	VPOC6-40LB[6]7-6J				ø1/4	VPOC6-40LB[6]7-1/4J	
		50	ø3	VPOC6-50LB[6]7-3J			50	ø1/8	VPOC6-50LB[6]7-1/4J	
			ø4	VPOC6-50LB[6]7-4J				ø5/32	VPOC6-50LB[6]7-5/32J	
			ø6	VPOC6-50LB[6]7-6J				ø1/4	VPOC6-50LB[6]7-1/4J	
	ø8	20	ø3	VPOC8-20LB[6]7-3J	ø8	ø8	20	ø1/8	VPOC8-20LB[6]7-1/4J	ø8
			ø4	VPOC8-20LB[6]7-4J				ø5/32	VPOC8-20LB[6]7-5/32J	
			ø6	VPOC8-20LB[6]7-6J				ø1/4	VPOC8-20LB[6]7-1/4J	
		30	ø3	VPOC8-30LB[6]7-3J			30	ø1/8	VPOC8-30LB[6]7-1/4J	
			ø4	VPOC8-30LB[6]7-4J				ø5/32	VPOC8-30LB[6]7-5/32J	
			ø6	VPOC8-30LB[6]7-6J				ø1/4	VPOC8-30LB[6]7-1/4J	
		40	ø3	VPOC8-40LB[6]7-3J			40	ø1/8	VPOC8-40LB[6]7-1/4J	
			ø4	VPOC8-40LB[6]7-4J				ø5/32	VPOC8-40LB[6]7-5/32J	
			ø6	VPOC8-40LB[6]7-6J				ø1/4	VPOC8-40LB[6]7-1/4J	
		50	ø3	VPOC8-50LB[6]7-3J			50	ø1/8	VPOC8-50LB[6]7-1/4J	
			ø4	VPOC8-50LB[6]7-4J				ø5/32	VPOC8-50LB[6]7-5/32J	
			ø6	VPOC8-50LB[6]7-6J				ø1/4	VPOC8-50LB[6]7-1/4J	
	ø10	20	ø3	VPOC10-20LB[6]7-3J	ø10	ø10	20	ø1/8	VPOC10-20LB[6]7-1/4J	ø10
			ø4	VPOC10-20LB[6]7-4J				ø5/32	VPOC10-20LB[6]7-5/32J	
			ø6	VPOC10-20LB[6]7-6J				ø1/4	VPOC10-20LB[6]7-1/4J	
		30	ø3	VPOC10-30LB[6]7-3J			30	ø1/8	VPOC10-30LB[6]7-1/4J	
			ø4	VPOC10-30LB[6]7-4J				ø5/32	VPOC10-30LB[6]7-5/32J	
			ø6	VPOC10-30LB[6]7-6J				ø1/4	VPOC10-30LB[6]7-1/4J	
		40	ø3	VPOC10-40LB[6]7-3J			40	ø1/8	VPOC10-40LB[6]7-1/4J	
			ø4	VPOC10-40LB[6]7-4J				ø5/32	VPOC10-40LB[6]7-5/32J	
			ø6	VPOC10-40LB[6]7-6J				ø1/4	VPOC10-40LB[6]7-1/4J	
		50	ø3	VPOC10-50LB[6]7-3J			50	ø1/8	VPOC10-50LB[6]7-1/4J	
			ø4	VPOC10-50LB[6]7-4J				ø5/32	VPOC10-50LB[6]7-5/32J	
			ø6	VPOC10-50LB[6]7-6J				ø1/4	VPOC10-50LB[6]7-1/4J	
	ø15	20	ø3	VPOC15-20LB[6]7-3J	ø15	ø15	20	ø1/8	VPOC15-20LB[6]7-1/4J	ø15
			ø4	VPOC15-20LB[6]7-4J				ø5/32	VPOC15-20LB[6]7-5/32J	
			ø6	VPOC15-20LB[6]7-6J				ø1/4	VPOC15-20LB[6]7-1/4J	
		30	ø3	VPOC15-30LB[6]7-3J			30	ø1/8	VPOC15-30LB[6]7-1/4J	
			ø4	VPOC15-30LB[6]7-4J				ø5/32	VPOC15-30LB[6]7-5/32J	
			ø6	VPOC15-30LB[6]7-6J				ø1/4	VPOC15-30LB[6]7-1/4J	
		40	ø3	VPOC15-40LB[6]7-3J			40	ø1/8	VPOC15-40LB[6]7-1/4J	
			ø4	VPOC15-40LB[6]7-4J				ø5/32	VPOC15-40LB[6]7-5/32J	
			ø6	VPOC15-40LB[6]7-6J				ø1/4	VPOC15-40LB[6]7-1/4J	
		50	ø3	VPOC15-50LB[6]7-3J			50	ø1/8	VPOC15-50LB[6]7-1/4J	
			ø4	VPOC15-50LB[6]7-4J				ø5/32	VPOC15-50LB[6]7-5/32J	
			ø6	VPOC15-50LB[6]7-6J				ø1/4	VPOC15-50LB[6]7-1/4J	
	ø20	20	ø3	VPOC20-20LB[6]7-3J	ø20	ø20	20	ø1/8	VPOC20-20LB[6]7-1/4J	ø20
			ø4	VPOC20-20LB[6]7-4J				ø5/32	VPOC20-20LB[6]7-5/32J	
			ø6	VPOC20-20LB[6]7-6J				ø1/4	VPOC20-20LB[6]7-1/4J	
		30	ø3	VPOC20-30LB[6]7-3J			30	ø1/8	VPOC20-30LB[6]7-1/4J	
			ø4	VPOC20-30LB[6]7-4J				ø5/32	VPOC20-30LB[6]7-5/32J	
			ø6	VPOC20-30LB[6]7-6J				ø1/4	VPOC20-30LB[6]7-1/4J	
		40	ø3	VPOC20-40LB[6]7-3J			40	ø1/8	VPOC20-40LB[6]7-1/4J	
			ø4	VPOC20-40LB[6]7-4J				ø5/32	VPOC20-40LB[6]7-5/32J	
			ø6	VPOC20-40LB[6]7-6J				ø1/4	VPOC20-40LB[6]7-1/4J	
		50	ø3	VPOC20-50LB[6]7-3J			50	ø1/8	VPOC20-50LB[6]7-1/4J	
			ø4	VPOC20-50LB[6]7-4J				ø5/32	VPOC20-50LB[6]7-5/32J	
			ø6	VPOC20-50LB[6]7-6J				ø1/4	VPOC20-50LB[6]7-1/4J	

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

Holder type	Pad dia. (mm)	Stroke (mm)	Male thread size	Model code	Connection config. code
Spring type, Top port, Female thread, No cover VPOC 	ø6	20	M6×1	VPOC6-20LB[6]7-M6	ø6
		30	M6×1	VPOC6-30LB[6]7-M6	
		40	M6×1	VPOC6-40LB[6]7-M6	
	ø8	50	M6×1	VPOC6-50LB[6]7-M6	
		20	M6×1	VPOC8-20LB[6]7-M6	
		30	M6×1	VPOC8-30LB[6]7-M6	
	ø10	40	M6×1	VPOC8-40LB[6]7-M6	
		50	M6×1	VPOC8-50LB[6]7-M6	
	ø15	20	M6×1	VPOC10-20LB[6]7-M6	
		30	M6×1	VPOC10-30LB[6]7-M6	
		40	M6×1	VPOC10-40LB[6]7-M6	
	ø20	50	M6×1	VPOC10-50LB[6]7-M6	
	ø15	20	M6×1	VPOC15-20LB[6]7-M6	ø15
		30	M6×1	VPOC15-30LB[6]7-M6	
		40	M6×1	VPOC15-40LB[6]7-M6	
	ø20	50	M6×1	VPOC15-50LB[6]7-M6	
		20	M6×1	VPOC20-20LB[6]7-M6	
		30	M6×1	VPOC20-30LB[6]7-M6	
	ø20	40	M6×1	VPOC20-40LB[6]7-M6	
		50	M6×1	VPOC20-50LB[6]7-M6	
	ø20	20	M6×1	VPOC20-20LB[6]7-M6	
		30	M6×1	VPOC20-30LB[6]7-M6	
		40	M6×1	VPOC20-40LB[6]7-M6	



Notes

*Barb fitting type holders are also selectable. Contact us for the details.



CAD

CAD data is available at PISCO website.



Packaging

1 pc./bag



Options

⑦: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)

Optional items
⇒ P.506

Surface treatment



Fall Prevention Valve



Swivel Joint for vacuum pad



Filter



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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	Connection config. code
Spring type, Top port, Push-in fitting, Low dust emission VPLFC 	ø6	2	ø3	VPLFC6-2LB[6]7-3J	M4	ø6	2	ø1/8	VPLFC6-2LB[6]7-1/8J	M4
			ø4	VPLFC6-2LB[6]7-4J				ø5/32	VPLFC6-2LB[6]7-5/32J	
		5	ø3	VPLFC6-5LB[6]7-3J			5	ø1/8	VPLFC6-5LB[6]7-1/8J	
			ø4	VPLFC6-5LB[6]7-4J				ø5/32	VPLFC6-5LB[6]7-5/32J	
		10	ø3	VPLFC6-10LB[6]7-3J			10	ø1/8	VPLFC6-10LB[6]7-1/8J	
			ø4	VPLFC6-10LB[6]7-4J				ø5/32	VPLFC6-10LB[6]7-5/32J	
	ø8	15	ø3	VPLFC6-15LB[6]7-3J		ø8	15	ø1/8	VPLFC6-15LB[6]7-1/8J	
			ø4	VPLFC6-15LB[6]7-4J				ø5/32	VPLFC6-15LB[6]7-5/32J	
		20	ø3	VPLFC6-20LB[6]7-3J			20	ø1/8	VPLFC6-20LB[6]7-1/8J	
			ø4	VPLFC6-20LB[6]7-4J				ø5/32	VPLFC6-20LB[6]7-5/32J	
	ø10	2	ø3	VPLFC8-2LB[6]7-3J		ø8	2	ø1/8	VPLFC8-2LB[6]7-1/8J	
			ø4	VPLFC8-2LB[6]7-4J				ø5/32	VPLFC8-2LB[6]7-5/32J	
		5	ø3	VPLFC8-5LB[6]7-3J			5	ø1/8	VPLFC8-5LB[6]7-1/8J	
			ø4	VPLFC8-5LB[6]7-4J				ø5/32	VPLFC8-5LB[6]7-5/32J	
		10	ø3	VPLFC8-10LB[6]7-3J		ø10	10	ø1/8	VPLFC8-10LB[6]7-1/8J	
			ø4	VPLFC8-10LB[6]7-4J				ø5/32	VPLFC8-10LB[6]7-5/32J	
	ø15	15	ø3	VPLFC8-15LB[6]7-3J			15	ø1/8	VPLFC8-15LB[6]7-1/8J	
			ø4	VPLFC8-15LB[6]7-4J				ø5/32	VPLFC8-15LB[6]7-5/32J	
		20	ø3	VPLFC8-20LB[6]7-3J			20	ø1/8	VPLFC8-20LB[6]7-1/8J	
			ø4	VPLFC8-20LB[6]7-4J				ø5/32	VPLFC8-20LB[6]7-5/32J	
Spring type, Side port, Push-in fitting, Mini VPMD 	ø6	2	ø3	VPLFC10-2LB[6]7-3J	M4	ø6	2	ø1/8	VPLFC10-2LB[6]7-1/8J	M4
			ø4	VPLFC10-2LB[6]7-4J				ø5/32	VPLFC10-2LB[6]7-5/32J	
		5	ø3	VPLFC10-5LB[6]7-3J			5	ø1/8	VPLFC10-5LB[6]7-1/8J	
			ø4	VPLFC10-5LB[6]7-4J				ø5/32	VPLFC10-5LB[6]7-5/32J	
		10	ø3	VPLFC10-10LB[6]7-3J		ø10	10	ø1/8	VPLFC10-10LB[6]7-1/8J	
			ø4	VPLFC10-10LB[6]7-4J				ø5/32	VPLFC10-10LB[6]7-5/32J	
	ø15	15	ø3	VPLFC10-15LB[6]7-3J			15	ø1/8	VPLFC10-15LB[6]7-1/8J	
			ø4	VPLFC10-15LB[6]7-4J				ø5/32	VPLFC10-15LB[6]7-5/32J	
		20	ø3	VPLFC10-20LB[6]7-3J			20	ø1/8	VPLFC10-20LB[6]7-1/8J	
			ø4	VPLFC10-20LB[6]7-4J				ø5/32	VPLFC10-20LB[6]7-5/32J	
	ø20	2	ø3	VPLFC15-2LB[6]7-3J		ø15	2	ø1/8	VPLFC15-2LB[6]7-1/8J	
			ø4	VPLFC15-2LB[6]7-4J				ø5/32	VPLFC15-2LB[6]7-5/32J	
		5	ø3	VPLFC15-5LB[6]7-3J			5	ø1/8	VPLFC15-5LB[6]7-1/8J	
			ø4	VPLFC15-5LB[6]7-4J				ø5/32	VPLFC15-5LB[6]7-5/32J	
		10	ø3	VPLFC15-10LB[6]7-3J		ø20	10	ø1/8	VPLFC15-10LB[6]7-1/8J	
			ø4	VPLFC15-10LB[6]7-4J				ø5/32	VPLFC15-10LB[6]7-5/32J	
Spring type, Side port, Push-in fitting, Mini VPMD 	ø15	15	ø3	VPLFC15-15LB[6]7-3J		ø15	15	ø1/8	VPLFC15-15LB[6]7-1/8J	
			ø4	VPLFC15-15LB[6]7-4J				ø5/32	VPLFC15-15LB[6]7-5/32J	
	ø20	20	ø3	VPLFC15-20LB[6]7-3J			20	ø1/8	VPLFC15-20LB[6]7-1/8J	
			ø4	VPLFC15-20LB[6]7-4J				ø5/32	VPLFC15-20LB[6]7-5/32J	
	ø20	5	ø3	VPLFC20-5LB[6]7-3J	M6	ø20	5	ø1/8	VPLFC20-5LB[6]7-1/8J	M6
			ø4	VPLFC20-5LB[6]7-4J				ø5/32	VPLFC20-5LB[6]7-5/32J	
		10	ø3	VPLFC20-10LB[6]7-3J			10	ø1/8	VPLFC20-10LB[6]7-1/8J	
			ø4	VPLFC20-10LB[6]7-4J				ø5/32	VPLFC20-10LB[6]7-5/32J	
		15	ø3	VPLFC20-15LB[6]7-3J			15	ø1/8	VPLFC20-15LB[6]7-1/8J	
			ø4	VPLFC20-15LB[6]7-4J				ø5/32	VPLFC20-15LB[6]7-5/32J	
Spring type, Side port, Push-in fitting, Mini VPMD 	ø20	20	ø3	VPLFC20-20LB[6]7-3J		ø20	20	ø1/8	VPLFC20-20LB[6]7-1/8J	
			ø4	VPLFC20-20LB[6]7-4J				ø5/32	VPLFC20-20LB[6]7-5/32J	
			ø6	VPLFC20-20LB[6]7-6J				ø1/4	VPLFC20-20LB[6]7-1/4J	
			ø3	VPLFC20-15LB[6]7-3J				ø1/8	VPLFC20-15LB[6]7-1/8J	
			ø4	VPLFC20-15LB[6]7-4J				ø5/32	VPLFC20-15LB[6]7-5/32J	
			ø6	VPLFC20-15LB[6]7-6J				ø1/4	VPLFC20-15LB[6]7-1/4J	

Notes
*Barb fitting type holders are also selectable. Contact us for the details.

CAD
CAD data is available at PISCO website.

Packaging specifications
1 pc./bag

Options
⑦: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
⑧: -SF1/4 ⇒ Spring load 1/4

Optional items ⇒ P.506

Surface treatment 

Fall Prevention Valve 

Swivel Joint for vacuum pad 

Filter 

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

Holder type	Pad dia. (mm)	Stroke (mm)	Male thread size	Model code	Connection config. code			
Spring type, Top port, Female thread, Low dust emission VPLFC 	ø6	2	M5×0.8	VPLFC6-2LB[6]7-M5	M4			
		5	M5×0.8	VPLFC6-5LB[6]7-M5				
		10	M5×0.8	VPLFC6-10LB[6]7-M5				
		15	M5×0.8	VPLFC6-15LB[6]7-M5				
		20	M5×0.8	VPLFC6-20LB[6]7-M5				
	ø8	2	M5×0.8	VPLFC8-2LB[6]7-M5		M5		
		5	M5×0.8	VPLFC8-5LB[6]7-M5				
		10	M5×0.8	VPLFC8-10LB[6]7-M5				
		15	M5×0.8	VPLFC8-15LB[6]7-M5				
		20	M5×0.8	VPLFC8-20LB[6]7-M5				
	ø10	2	M5×0.8	VPLFC10-2LB[6]7-M5		M6		
		5	M5×0.8	VPLFC10-5LB[6]7-M5				
		10	M5×0.8	VPLFC10-10LB[6]7-M5				
		15	M5×0.8	VPLFC10-15LB[6]7-M5				
		20	M5×0.8	VPLFC10-20LB[6]7-M5				
	ø15	2	M5×0.8	VPLFC15-2LB[6]7-M5		M6		
		5	M5×0.8	VPLFC15-5LB[6]7-M5				
		10	M5×0.8	VPLFC15-10LB[6]7-M5				
		15	M5×0.8	VPLFC15-15LB[6]7-M5				
		20	M5×0.8	VPLFC15-20LB[6]7-M5				
ø20	5	M6×1	VPLFC20-5LB[6]7-M6	M6				
	10	M6×1	VPLFC20-10LB[6]7-M6					
	15	M6×1	VPLFC20-15LB[6]7-M6					
	20	M6×1	VPLFC20-20LB[6]7-M6					
Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 - S3 - S3 spec.	Connection config. code			
Spring type, Side port, Push-in fitting, Mini VPMD 	ø6	ø3	VPMD6-4LB[6]7-3J	—	M4			
		ø4	VPMD6-4LB[6]7-4J	○				
		ø6	VPMD6-4LB[6]7-6J	○				
		ø8	ø3	VPMD8-4LB[6]7-3J		—		
			ø4	VPMD8-4LB[6]7-4J		○		
			ø6	VPMD8-4LB[6]7-6J		○		
	ø10		ø3	VPMD10-4LB[6]7-3J		—		
			ø4	VPMD10-4LB[6]7-4J		○		
			ø6	VPMD10-4LB[6]7-6J		○		
		ø15	ø3	VPMD15-4LB[6]7-3J		—		
			ø4	VPMD15-4LB[6]7-4J		○		
			ø6	VPMD15-4LB[6]7-6J		○		
	ø20		ø3	VPMD20-4LB[6]7-3J		—		
			ø4	VPMD20-4LB[6]7-4J		○		
			ø6	VPMD20-4LB[6]7-6J		○		
		Holder type	Pad dia. (mm)	Male thread size		Model code	13 - S3 - S3 spec.	Connection config. code
		Spring type, Side port, Female thread, Mini VPMD 	ø6	M5×0.8		VPMD6-4LB[6]7-M5	○	M4
			ø8	M5×0.8		VPMD8-4LB[6]7-M5	○	
ø10	M5×0.8		VPMD10-4LB[6]7-M5	○				
ø15	M5×0.8		VPMD15-4LB[6]7-M5	○				
ø20	M5×0.8		VPMD20-4LB[6]7-M5	○				
Stroke 4mm								

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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code
Spring type, Side port, Push-in fitting, Standard VPD 	ø6	6	ø3	VPD6-6LB617-3J9	—	M4	ø6	6	ø1/8	VPD6-6LB617-1/4J9	—	M4
			ø4	VPD6-6LB617-4J9	○				ø5/32	VPD6-6LB617-5/32J9	○	
			ø6	VPD6-6LB617-6J9	○				ø1/4	VPD6-6LB617-1/4J9	—	
		10	ø3	VPD6-10LB617-3J9	—			10	ø1/8	VPD6-10LB617-1/4J9	—	
			ø4	VPD6-10LB617-4J9	—				ø5/32	VPD6-10LB617-5/32J9	—	
			ø6	VPD6-10LB617-6J9	—				ø1/4	VPD6-10LB617-1/4J9	—	
		15	ø3	VPD6-15LB617-3J9	—			15	ø1/8	VPD6-15LB617-1/4J9	—	
			ø4	VPD6-15LB617-4J9	—				ø5/32	VPD6-15LB617-5/32J9	—	
			ø6	VPD6-15LB617-6J9	—				ø1/4	VPD6-15LB617-1/4J9	—	
		20	ø3	VPD6-20LB617-3J9	—			20	ø1/8	VPD6-20LB617-1/4J9	—	
			ø4	VPD6-20LB617-4J9	—				ø5/32	VPD6-20LB617-5/32J9	—	
			ø6	VPD6-20LB617-6J9	—				ø1/4	VPD6-20LB617-1/4J9	—	
	ø8	6	ø3	VPD8-6LB617-3J9	—			ø8	ø1/8	VPD8-6LB617-1/4J9	—	
			ø4	VPD8-6LB617-4J9	○				ø5/32	VPD8-6LB617-5/32J9	○	
			ø6	VPD8-6LB617-6J9	○				ø1/4	VPD8-6LB617-1/4J9	—	
		10	ø3	VPD8-10LB617-3J9	—			10	ø1/8	VPD8-10LB617-1/4J9	—	
			ø4	VPD8-10LB617-4J9	—				ø5/32	VPD8-10LB617-5/32J9	—	
			ø6	VPD8-10LB617-6J9	—				ø1/4	VPD8-10LB617-1/4J9	—	
		15	ø3	VPD8-15LB617-3J9	—			15	ø1/8	VPD8-15LB617-1/4J9	—	
			ø4	VPD8-15LB617-4J9	—				ø5/32	VPD8-15LB617-5/32J9	—	
			ø6	VPD8-15LB617-6J9	—				ø1/4	VPD8-15LB617-1/4J9	—	
		20	ø3	VPD8-20LB617-3J9	—			20	ø1/8	VPD8-20LB617-1/4J9	—	
			ø4	VPD8-20LB617-4J9	—				ø5/32	VPD8-20LB617-5/32J9	—	
			ø6	VPD8-20LB617-6J9	—				ø1/4	VPD8-20LB617-1/4J9	—	
	ø10	6	ø3	VPD10-6LB617-3J9	—			ø10	ø1/8	VPD10-6LB617-1/4J9	—	
			ø4	VPD10-6LB617-4J9	○				ø5/32	VPD10-6LB617-5/32J9	○	
			ø6	VPD10-6LB617-6J9	○				ø1/4	VPD10-6LB617-1/4J9	—	
		10	ø3	VPD10-10LB617-3J9	—			10	ø1/8	VPD10-10LB617-1/4J9	—	
			ø4	VPD10-10LB617-4J9	—				ø5/32	VPD10-10LB617-5/32J9	—	
			ø6	VPD10-10LB617-6J9	—				ø1/4	VPD10-10LB617-1/4J9	—	
		15	ø3	VPD10-15LB617-3J9	—			15	ø1/8	VPD10-15LB617-1/4J9	—	
			ø4	VPD10-15LB617-4J9	—				ø5/32	VPD10-15LB617-5/32J9	—	
			ø6	VPD10-15LB617-6J9	—				ø1/4	VPD10-15LB617-1/4J9	—	
		20	ø3	VPD10-20LB617-3J9	—			20	ø1/8	VPD10-20LB617-1/4J9	—	
			ø4	VPD10-20LB617-4J9	—				ø5/32	VPD10-20LB617-5/32J9	—	
			ø6	VPD10-20LB617-6J9	—				ø1/4	VPD10-20LB617-1/4J9	—	
	ø15	6	ø3	VPD15-6LB617-3J9	—			ø15	ø1/8	VPD15-6LB617-1/4J9	—	
			ø4	VPD15-6LB617-4J9	○				ø5/32	VPD15-6LB617-5/32J9	○	
			ø6	VPD15-6LB617-6J9	○				ø1/4	VPD15-6LB617-1/4J9	—	
		10	ø3	VPD15-10LB617-3J9	—			10	ø1/8	VPD15-10LB617-1/4J9	—	
			ø4	VPD15-10LB617-4J9	—				ø5/32	VPD15-10LB617-5/32J9	—	
			ø6	VPD15-10LB617-6J9	—				ø1/4	VPD15-10LB617-1/4J9	—	
		15	ø3	VPD15-15LB617-3J9	—			15	ø1/8	VPD15-15LB617-1/4J9	—	
			ø4	VPD15-15LB617-4J9	—				ø5/32	VPD15-15LB617-5/32J9	—	
			ø6	VPD15-15LB617-6J9	—				ø1/4	VPD15-15LB617-1/4J9	—	
		20	ø3	VPD15-20LB617-3J9	—			20	ø1/8	VPD15-20LB617-1/4J9	—	
			ø4	VPD15-20LB617-4J9	—				ø5/32	VPD15-20LB617-5/32J9	—	
			ø6	VPD15-20LB617-6J9	—				ø1/4	VPD15-20LB617-1/4J9	—	
	ø20	6	ø3	VPD20-6LB617-3J9	—			ø20	ø1/8	VPD20-6LB617-1/4J9	—	
			ø4	VPD20-6LB617-4J9	○				ø5/32	VPD20-6LB617-5/32J9	○	
			ø6	VPD20-6LB617-6J9	○				ø1/4	VPD20-6LB617-1/4J9	—	
		10	ø3	VPD20-10LB617-3J9	—			10	ø1/8	VPD20-10LB617-1/4J9	—	
			ø4	VPD20-10LB617-4J9	—				ø5/32	VPD20-10LB617-5/32J9	—	
			ø6	VPD20-10LB617-6J9	—				ø1/4	VPD20-10LB617-1/4J9	—	
		15	ø3	VPD20-15LB617-3J9	—			15	ø1/8	VPD20-15LB617-1/4J9	—	
			ø4	VPD20-15LB617-4J9	—				ø5/32	VPD20-15LB617-5/32J9	—	
			ø6	VPD20-15LB617-6J9	—				ø1/4	VPD20-15LB617-1/4J9	—	
		20	ø3	VPD20-20LB617-3J9	—			20	ø1/8	VPD20-20LB617-1/4J9	—	
			ø4	VPD20-20LB617-4J9	—				ø5/32	VPD20-20LB617-5/32J9	—	
			ø6	VPD20-20LB617-6J9	—				ø1/4	VPD20-20LB617-1/4J9	—	

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

Holder type	Pad dia. (mm)	Stroke (mm)	Male thread size	Model code	13 -S3 spec.	Connection config. code
Spring type, Side port, Female thread, Standard VPD 	ø6	6	M6×1	VPD6-6LB617-M69	○	M4
		10		VPD6-10LB617-M69	—	
		15		VPD6-15LB617-M69	—	
		20		VPD6-20LB617-M69	—	
		ø8	M6×1	VPD8-6LB617-M69	○	
				VPD8-10LB617-M69	—	
	ø8	6		VPD8-6LB617-M69	○	
		10		VPD8-10LB617-M69	—	
		15		VPD8-15LB617-M69	—	
		20		VPD8-20LB617-M69	—	
	ø10	6	M6×1	VPD10-6LB617-M69	○	
		10		VPD10-10LB617-M69	—	
		15		VPD10-15LB617-M69	—	
		20		VPD10-20LB617-M69	—	
	ø15	6	M6×1	VPD15-6LB617-M69	○	
		10		VPD15-10LB617-M69	—	
		15		VPD15-15LB617-M69	—	
		20		VPD15-20LB617-M69	—	
	ø20	6	M6×1	VPD20-6LB617-M69	○	M6
		10		VPD20-10LB617-M69	—	
		15		VPD20-15LB617-M69	—	
		20		VPD20-20LB617-M69	—	

- Notes**
 *Barb fitting type holders are also selectable. Contact us for the details.
- CAD**
 CAD data is available
 at PISCO website.
- Packaging specifications**
 1 pc./bag
- Options**
 7: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
 9: -DC ⇒ Holder with dust catcher
 13: -S3 ⇒ -S3 spec. (○ in the lists: Available)
 *1. For *-S3 spec., the release ring color is dark blue, and the gasket material is FKM+SUS316.
 *2. For inch size push-in fitting, the release ring color is white even for *-S3 spec.*



Vacuum Pad Soft Bellows Type

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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (inch)	Model code	Connection config. code
Spring type, Side port, Push-in fitting, No cover VPOD 	ø6	20	ø3	VPOD6-20LB[6]7-3J	M4	ø6	20	ø1/8	VPOD6-20LB[6]7-1/4J	M4
			ø4	VPOD6-20LB[6]7-4J				ø5/32	VPOD6-20LB[6]7-5/32J	
			ø6	VPOD6-20LB[6]7-6J				ø1/4	VPOD6-20LB[6]7-1/4J	
		30	ø3	VPOD6-30LB[6]7-3J			30	ø1/8	VPOD6-30LB[6]7-1/4J	
			ø4	VPOD6-30LB[6]7-4J				ø5/32	VPOD6-30LB[6]7-5/32J	
			ø6	VPOD6-30LB[6]7-6J				ø1/4	VPOD6-30LB[6]7-1/4J	
		40	ø3	VPOD6-40LB[6]7-3J			40	ø1/8	VPOD6-40LB[6]7-1/4J	
			ø4	VPOD6-40LB[6]7-4J				ø5/32	VPOD6-40LB[6]7-5/32J	
			ø6	VPOD6-40LB[6]7-6J				ø1/4	VPOD6-40LB[6]7-1/4J	
		50	ø3	VPOD6-50LB[6]7-3J			50	ø1/8	VPOD6-50LB[6]7-1/4J	
			ø4	VPOD6-50LB[6]7-4J				ø5/32	VPOD6-50LB[6]7-5/32J	
			ø6	VPOD6-50LB[6]7-6J				ø1/4	VPOD6-50LB[6]7-1/4J	
	ø8	20	ø3	VPOD8-20LB[8]7-3J		ø8	20	ø1/8	VPOD8-20LB[8]7-1/4J	
			ø4	VPOD8-20LB[8]7-4J				ø5/32	VPOD8-20LB[8]7-5/32J	
			ø6	VPOD8-20LB[8]7-6J				ø1/4	VPOD8-20LB[8]7-1/4J	
		30	ø3	VPOD8-30LB[8]7-3J			30	ø1/8	VPOD8-30LB[8]7-1/4J	
			ø4	VPOD8-30LB[8]7-4J				ø5/32	VPOD8-30LB[8]7-5/32J	
			ø6	VPOD8-30LB[8]7-6J				ø1/4	VPOD8-30LB[8]7-1/4J	
		40	ø3	VPOD8-40LB[8]7-3J			40	ø1/8	VPOD8-40LB[8]7-1/4J	
			ø4	VPOD8-40LB[8]7-4J				ø5/32	VPOD8-40LB[8]7-5/32J	
			ø6	VPOD8-40LB[8]7-6J				ø1/4	VPOD8-40LB[8]7-1/4J	
		50	ø3	VPOD8-50LB[8]7-3J			50	ø1/8	VPOD8-50LB[8]7-1/4J	
			ø4	VPOD8-50LB[8]7-4J				ø5/32	VPOD8-50LB[8]7-5/32J	
			ø6	VPOD8-50LB[8]7-6J				ø1/4	VPOD8-50LB[8]7-1/4J	
	ø10	20	ø3	VPOD10-20LB[10]7-3J		ø10	20	ø1/8	VPOD10-20LB[10]7-1/4J	
			ø4	VPOD10-20LB[10]7-4J				ø5/32	VPOD10-20LB[10]7-5/32J	
			ø6	VPOD10-20LB[10]7-6J				ø1/4	VPOD10-20LB[10]7-1/4J	
		30	ø3	VPOD10-30LB[10]7-3J			30	ø1/8	VPOD10-30LB[10]7-1/4J	
			ø4	VPOD10-30LB[10]7-4J				ø5/32	VPOD10-30LB[10]7-5/32J	
			ø6	VPOD10-30LB[10]7-6J				ø1/4	VPOD10-30LB[10]7-1/4J	
		40	ø3	VPOD10-40LB[10]7-3J			40	ø1/8	VPOD10-40LB[10]7-1/4J	
			ø4	VPOD10-40LB[10]7-4J				ø5/32	VPOD10-40LB[10]7-5/32J	
			ø6	VPOD10-40LB[10]7-6J				ø1/4	VPOD10-40LB[10]7-1/4J	
		50	ø3	VPOD10-50LB[10]7-3J			50	ø1/8	VPOD10-50LB[10]7-1/4J	
			ø4	VPOD10-50LB[10]7-4J				ø5/32	VPOD10-50LB[10]7-5/32J	
			ø6	VPOD10-50LB[10]7-6J				ø1/4	VPOD10-50LB[10]7-1/4J	
	ø15	20	ø3	VPOD15-20LB[15]7-3J		ø15	20	ø1/8	VPOD15-20LB[15]7-1/4J	
			ø4	VPOD15-20LB[15]7-4J				ø5/32	VPOD15-20LB[15]7-5/32J	
			ø6	VPOD15-20LB[15]7-6J				ø1/4	VPOD15-20LB[15]7-1/4J	
		30	ø3	VPOD15-30LB[15]7-3J			30	ø1/8	VPOD15-30LB[15]7-1/4J	
			ø4	VPOD15-30LB[15]7-4J				ø5/32	VPOD15-30LB[15]7-5/32J	
			ø6	VPOD15-30LB[15]7-6J				ø1/4	VPOD15-30LB[15]7-1/4J	
		40	ø3	VPOD15-40LB[15]7-3J			40	ø1/8	VPOD15-40LB[15]7-1/4J	
			ø4	VPOD15-40LB[15]7-4J				ø5/32	VPOD15-40LB[15]7-5/32J	
			ø6	VPOD15-40LB[15]7-6J				ø1/4	VPOD15-40LB[15]7-1/4J	
		50	ø3	VPOD15-50LB[15]7-3J			50	ø1/8	VPOD15-50LB[15]7-1/4J	
			ø4	VPOD15-50LB[15]7-4J				ø5/32	VPOD15-50LB[15]7-5/32J	
			ø6	VPOD15-50LB[15]7-6J				ø1/4	VPOD15-50LB[15]7-1/4J	
	ø20	20	ø3	VPOD20-20LB[20]7-3J		ø20	20	ø1/8	VPOD20-20LB[20]7-1/4J	
			ø4	VPOD20-20LB[20]7-4J				ø5/32	VPOD20-20LB[20]7-5/32J	
			ø6	VPOD20-20LB[20]7-6J				ø1/4	VPOD20-20LB[20]7-1/4J	
		30	ø3	VPOD20-30LB[20]7-3J			30	ø1/8	VPOD20-30LB[20]7-1/4J	
			ø4	VPOD20-30LB[20]7-4J				ø5/32	VPOD20-30LB[20]7-5/32J	
			ø6	VPOD20-30LB[20]7-6J				ø1/4	VPOD20-30LB[20]7-1/4J	
		40	ø3	VPOD20-40LB[20]7-3J			40	ø1/8	VPOD20-40LB[20]7-1/4J	
			ø4	VPOD20-40LB[20]7-4J				ø5/32	VPOD20-40LB[20]7-5/32J	
			ø6	VPOD20-40LB[20]7-6J				ø1/4	VPOD20-40LB[20]7-1/4J	
		50	ø3	VPOD20-50LB[20]7-3J			50	ø1/8	VPOD20-50LB[20]7-1/4J	
			ø4	VPOD20-50LB[20]7-4J				ø5/32	VPOD20-50LB[20]7-5/32J	
			ø6	VPOD20-50LB[20]7-6J				ø1/4	VPOD20-50LB[20]7-1/4J	

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

Holder type	Pad dia. (mm)	Stroke (mm)	Male thread size	Model code	Connection config. code
Spring type, Side port, Female thread, No cover VPOD 	ø6	20	M6×1	VPOD6-20LB[6]7-M6	M4
		30	M6×1	VPOD6-30LB[6]7-M6	
		40	M6×1	VPOD6-40LB[6]7-M6	
	ø8	50	M6×1	VPOD6-50LB[6]7-M6	
		20	M6×1	VPOD8-20LB[8]7-M6	
		30	M6×1	VPOD8-30LB[8]7-M6	
	ø10	40	M6×1	VPOD8-40LB[8]7-M6	
		50	M6×1	VPOD8-50LB[8]7-M6	
	ø15	20	M6×1	VPOD10-20LB[10]7-M6	
		30	M6×1	VPOD10-30LB[10]7-M6	
	ø20	40	M6×1	VPOD10-40LB[10]7-M6	
		50	M6×1	VPOD10-50LB[10]7-M6	
	ø15	20	M6×1	VPOD15-20LB[15]7-M6	
		30	M6×1	VPOD15-30LB[15]7-M6	
	ø20	40	M6×1	VPOD15-40LB[15]7-M6	
		50	M6×1	VPOD15-50LB[15]7-M6	
	ø20	20	M6×1	VPOD20-20LB[20]7-M6	
		30	M6×1	VPOD20-30LB[20]7-M6	
		40	M6×1	VPOD20-40LB[20]7-M6	
	ø20	50	M6×1	VPOD20-50LB[20]7-M6	

Notes
*Barb fitting type holders are also selectable. Contact us for the details.

CAD
data is available
at PISCO website.

Packages
Packaging specifications
1 pc./bag

Options
⑦: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)

Optional items
⇒ P.506

Surface
treatment

Fall
Prevention
Valve

Swivel
Joint for
vacuum pad

Filter

Filter



Vacuum Pad Soft Bellows Type

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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (inch)	Model code	Connection config. code
Spring type, Side port, Push-in fitting, Low dust emission VPLFD 	ø6	5	ø3	VPLFD6-5LB[7]-3J	M4	ø6	5	ø1/8	VPLFD6-5LB[7]-1/4J	M4
			ø4	VPLFD6-5LB[7]-4J				ø5/32	VPLFD6-5LB[7]-5/32J	
		10	ø3	VPLFD6-10LB[7]-3J			10	ø1/8	VPLFD6-10LB[7]-1/4J	
			ø4	VPLFD6-10LB[7]-4J				ø5/32	VPLFD6-10LB[7]-5/32J	
		15	ø3	VPLFD6-15LB[7]-3J			15	ø1/8	VPLFD6-15LB[7]-1/4J	
			ø4	VPLFD6-15LB[7]-4J				ø5/32	VPLFD6-15LB[7]-5/32J	
	ø8	20	ø3	VPLFD6-20LB[7]-3J		ø8	20	ø1/8	VPLFD6-20LB[7]-1/4J	
			ø4	VPLFD6-20LB[7]-4J				ø5/32	VPLFD6-20LB[7]-5/32J	
		5	ø3	VPLFD8-5LB[7]-3J			5	ø1/8	VPLFD8-5LB[7]-1/4J	
			ø4	VPLFD8-5LB[7]-4J				ø5/32	VPLFD8-5LB[7]-5/32J	
		10	ø3	VPLFD8-10LB[7]-3J			10	ø1/8	VPLFD8-10LB[7]-1/4J	
			ø4	VPLFD8-10LB[7]-4J				ø5/32	VPLFD8-10LB[7]-5/32J	
	ø10	15	ø3	VPLFD8-15LB[7]-3J		ø10	15	ø1/8	VPLFD8-15LB[7]-1/4J	
			ø4	VPLFD8-15LB[7]-4J				ø5/32	VPLFD8-15LB[7]-5/32J	
		20	ø3	VPLFD8-20LB[7]-3J			20	ø1/8	VPLFD8-20LB[7]-1/4J	
			ø4	VPLFD8-20LB[7]-4J				ø5/32	VPLFD8-20LB[7]-5/32J	
		5	ø3	VPLFD10-5LB[7]-3J		ø10	5	ø1/8	VPLFD10-5LB[7]-1/4J	
			ø4	VPLFD10-5LB[7]-4J				ø5/32	VPLFD10-5LB[7]-5/32J	
	ø15	10	ø3	VPLFD10-10LB[7]-3J			10	ø1/8	VPLFD10-10LB[7]-1/4J	
			ø4	VPLFD10-10LB[7]-4J				ø5/32	VPLFD10-10LB[7]-5/32J	
		15	ø3	VPLFD10-15LB[7]-3J		ø15	15	ø1/8	VPLFD10-15LB[7]-1/4J	
			ø4	VPLFD10-15LB[7]-4J				ø5/32	VPLFD10-15LB[7]-5/32J	
		20	ø3	VPLFD10-20LB[7]-3J			20	ø1/8	VPLFD10-20LB[7]-1/4J	
			ø4	VPLFD10-20LB[7]-4J				ø5/32	VPLFD10-20LB[7]-5/32J	
	ø20	5	ø3	VPLFD15-5LB[7]-3J		ø15	5	ø1/8	VPLFD15-5LB[7]-1/4J	
			ø4	VPLFD15-5LB[7]-4J				ø5/32	VPLFD15-5LB[7]-5/32J	
		10	ø3	VPLFD15-10LB[7]-3J			10	ø1/8	VPLFD15-10LB[7]-1/4J	
			ø4	VPLFD15-10LB[7]-4J				ø5/32	VPLFD15-10LB[7]-5/32J	
		15	ø3	VPLFD15-15LB[7]-3J			15	ø1/8	VPLFD15-15LB[7]-1/4J	
			ø4	VPLFD15-15LB[7]-4J				ø5/32	VPLFD15-15LB[7]-5/32J	
	ø20	20	ø3	VPLFD15-20LB[7]-3J		ø20	20	ø1/8	VPLFD15-20LB[7]-1/4J	
			ø4	VPLFD15-20LB[7]-4J				ø5/32	VPLFD15-20LB[7]-5/32J	
		5	ø3	VPLFD20-5LB[7]-3J			5	ø1/8	VPLFD20-5LB[7]-1/4J	
			ø4	VPLFD20-5LB[7]-4J				ø5/32	VPLFD20-5LB[7]-5/32J	
			ø6	VPLFD20-5LB[7]-6J				ø1/4	VPLFD20-5LB[7]-1/4J	
		10	ø3	VPLFD20-10LB[7]-3J			10	ø1/8	VPLFD20-10LB[7]-1/4J	
			ø4	VPLFD20-10LB[7]-4J				ø5/32	VPLFD20-10LB[7]-5/32J	
			ø6	VPLFD20-10LB[7]-6J				ø1/4	VPLFD20-10LB[7]-1/4J	
			ø3	VPLFD20-15LB[7]-3J			15	ø1/8	VPLFD20-15LB[7]-1/4J	
			ø4	VPLFD20-15LB[7]-4J				ø5/32	VPLFD20-15LB[7]-5/32J	
			ø6	VPLFD20-15LB[7]-6J				ø1/4	VPLFD20-15LB[7]-1/4J	
		20	ø3	VPLFD20-20LB[7]-3J			20	ø1/8	VPLFD20-20LB[7]-1/4J	
			ø4	VPLFD20-20LB[7]-4J				ø5/32	VPLFD20-20LB[7]-5/32J	
			ø6	VPLFD20-20LB[7]-6J				ø1/4	VPLFD20-20LB[7]-1/4J	

Notes
*Barb fitting type holders are also selectable. Contact us for the details.

Packaging specifications
1 pc./bag

Options
[7]: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)

Optional items ⇒ P.506	Surface treatment 	Fall Prevention Valve 	Swivel Joint for vacuum pad 	Filter 
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RoHS2 (2011/65/EU+EU2015/863) compliant

Holder type	Pad dia. (mm)	Stroke (mm)	Male thread size	Model code	Connection config. code
Spring type, Side port, Female thread, Low dust emission VPLFD 	ø6	5	M5×0.8	VPLFD6-5LB[7]-M5	M4
		10	M5×0.8	VPLFD6-10LB[7]-M5	
		15	M5×0.8	VPLFD6-15LB[7]-M5	
		20	M5×0.8	VPLFD6-20LB[7]-M5	
	ø8	5	M5×0.8	VPLFD8-5LB[7]-M5	
		10	M5×0.8	VPLFD8-10LB[7]-M5	
		15	M5×0.8	VPLFD8-15LB[7]-M5	
		20	M5×0.8	VPLFD8-20LB[7]-M5	
	ø10	5	M5×0.8	VPLFD10-5LB[7]-M5	
		10	M5×0.8	VPLFD10-10LB[7]-M5	
		15	M5×0.8	VPLFD10-15LB[7]-M5	
		20	M5×0.8	VPLFD10-20LB[7]-M5	
Fixed type, Direct mount, Standard VPE 	ø15	5	M5×0.8	VPLFD15-5LB[7]-M5	M6
		10	M5×0.8	VPLFD15-10LB[7]-M5	
		15	M5×0.8	VPLFD15-15LB[7]-M5	
		20	M5×0.8	VPLFD15-20LB[7]-M5	
	ø20	5	M6×1	VPLFD20-5LB[7]-M6	
		10	M6×1	VPLFD20-10LB[7]-M6	
		15	M6×1	VPLFD20-15LB[7]-M6	
		20	M6×1	VPLFD20-20LB[7]-M6	
	ø20	5	M6×1	VPLFD20-5LB[7]-M6	
		10	M6×1	VPLFD20-10LB[7]-M6	
		15	M6×1	VPLFD20-15LB[7]-M6	
		20	M6×1	VPLFD20-20LB[7]-M6	

CAD data is available
at PISCO website.

Packaging specifications
1 pc./bag

Options
[7]: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)

[9]: -DC ⇒ Holder with dust catcher

[13]: -S3 ⇒ -S3 spec. (○ in the lists: Available)

*1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.

*2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."

Optional items ⇒ P.506	Surface treatment 	Dust Catcher (VPF) 	Fall Prevention Valve 	Swivel Joint for vacuum pad 	Filter 
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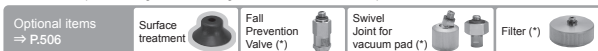
Vacuum Pad Soft Bellows Type

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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	
Spring type, Top port, Push-in fitting, Lightweight VPHC  Pad dia. ø6 mm to ø8 mm	ø6	9	ø3	VPHC6-9LB 617-3J	—	T15	ø6	9	ø1/8	VPHC6-9LB 617-1/8J	—	T15	
			ø4	VPHC6-9LB 617-4J	○				ø5/32	VPHC6-9LB 617-4/32J	○		
			ø6	VPHC6-9LB 617-6J	○				ø1/4	VPHC6-9LB 617-1/4J	—		
		10	ø3	VPHC6-10LB 617-3J	—			10	ø1/8	VPHC6-10LB 617-1/8J	—		
			ø4	VPHC6-10LB 617-4J	○				ø5/32	VPHC6-10LB 617-4/32J	○		
			ø6	VPHC6-10LB 617-6J	○				ø1/4	VPHC6-10LB 617-1/4J	—		
		15	ø3	VPHC6-15LB 617-3J	—			15	ø1/8	VPHC6-15LB 617-1/8J	—		
			ø4	VPHC6-15LB 617-4J	○				ø5/32	VPHC6-15LB 617-4/32J	○		
			ø6	VPHC6-15LB 617-6J	○				ø1/4	VPHC6-15LB 617-1/4J	—		
		20	ø3	VPHC6-20LB 617-3J	—			20	ø1/8	VPHC6-20LB 617-1/8J	—		
			ø4	VPHC6-20LB 617-4J	○				ø5/32	VPHC6-20LB 617-4/32J	○		
			ø6	VPHC6-20LB 617-6J	○				ø1/4	VPHC6-20LB 617-1/4J	—		
		25	ø3	VPHC6-25LB 617-3J	—			25	ø1/8	VPHC6-25LB 617-1/8J	—		
			ø4	VPHC6-25LB 617-4J	○				ø5/32	VPHC6-25LB 617-4/32J	○		
			ø6	VPHC6-25LB 617-6J	○				ø1/4	VPHC6-25LB 617-1/4J	—		
		30	ø3	VPHC6-30LB 617-3J	—			30	ø1/8	VPHC6-30LB 617-1/8J	—		
			ø4	VPHC6-30LB 617-4J	○				ø5/32	VPHC6-30LB 617-4/32J	○		
			ø6	VPHC6-30LB 617-6J	○				ø1/4	VPHC6-30LB 617-1/4J	—		
		40	ø3	VPHC6-40LB 617-3J	—			40	ø1/8	VPHC6-40LB 617-1/8J	—		
			ø4	VPHC6-40LB 617-4J	○				ø5/32	VPHC6-40LB 617-4/32J	○		
			ø6	VPHC6-40LB 617-6J	○				ø1/4	VPHC6-40LB 617-1/4J	—		
		50	ø3	VPHC6-50LB 617-3J	—			50	ø1/8	VPHC6-50LB 617-1/8J	—		
			ø4	VPHC6-50LB 617-4J	○				ø5/32	VPHC6-50LB 617-4/32J	○		
			ø6	VPHC6-50LB 617-6J	○				ø1/4	VPHC6-50LB 617-1/4J	—		
	ø8	9	ø3	VPHC8-9LB 617-3J	—	T15		ø8	9	ø1/8	VPHC8-9LB 617-1/8J	—	T15
			ø4	VPHC8-9LB 617-4J	○					ø5/32	VPHC8-9LB 617-4/32J	○	
			ø6	VPHC8-9LB 617-6J	○					ø1/4	VPHC8-9LB 617-1/4J	—	
		10	ø3	VPHC8-10LB 617-3J	—				10	ø1/8	VPHC8-10LB 617-1/8J	—	
			ø4	VPHC8-10LB 617-4J	○					ø5/32	VPHC8-10LB 617-4/32J	○	
			ø6	VPHC8-10LB 617-6J	○					ø1/4	VPHC8-10LB 617-1/4J	—	
		15	ø3	VPHC8-15LB 617-3J	—				15	ø1/8	VPHC8-15LB 617-1/8J	—	
			ø4	VPHC8-15LB 617-4J	○					ø5/32	VPHC8-15LB 617-4/32J	○	
			ø6	VPHC8-15LB 617-6J	○					ø1/4	VPHC8-15LB 617-1/4J	—	
		20	ø3	VPHC8-20LB 617-3J	—				20	ø1/8	VPHC8-20LB 617-1/8J	—	
			ø4	VPHC8-20LB 617-4J	○					ø5/32	VPHC8-20LB 617-4/32J	○	
			ø6	VPHC8-20LB 617-6J	○					ø1/4	VPHC8-20LB 617-1/4J	—	
		25	ø3	VPHC8-25LB 617-3J	—				25	ø1/8	VPHC8-25LB 617-1/8J	—	
			ø4	VPHC8-25LB 617-4J	○					ø5/32	VPHC8-25LB 617-4/32J	○	
			ø6	VPHC8-25LB 617-6J	○					ø1/4	VPHC8-25LB 617-1/4J	—	
		30	ø3	VPHC8-30LB 617-3J	—				30	ø1/8	VPHC8-30LB 617-1/8J	—	
			ø4	VPHC8-30LB 617-4J	○					ø5/32	VPHC8-30LB 617-4/32J	○	
			ø6	VPHC8-30LB 617-6J	○					ø1/4	VPHC8-30LB 617-1/4J	—	
		40	ø3	VPHC8-40LB 617-3J	—				40	ø1/8	VPHC8-40LB 617-1/8J	—	
			ø4	VPHC8-40LB 617-4J	○					ø5/32	VPHC8-40LB 617-4/32J	○	
			ø6	VPHC8-40LB 617-6J	○					ø1/4	VPHC8-40LB 617-1/4J	—	
		50	ø3	VPHC8-50LB 617-3J	—				50	ø1/8	VPHC8-50LB 617-1/8J	—	
			ø4	VPHC8-50LB 617-4J	○					ø5/32	VPHC8-50LB 617-4/32J	○	
			ø6	VPHC8-50LB 617-6J	○					ø1/4	VPHC8-50LB 617-1/4J	—	

Notes
*Holders are also available in Push-in fitting type for tube O.D. of 1.8 mm and 2 mm, and barb fitting type. Contact us for the details.

Options
17: Surface treatment (DLC. coating, Reformed surface, and Fluoro-coating)
13: -S3 ⇒ -S3 spec. (○ in the lists: Available)
*1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.
*2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."



*Not available for configuration code: T15.

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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code	
Spring type, Top port, Push-in fitting, Lightweight VPHC  Pad dia. 	ø10	9	ø3	VPHC10-9LB 617-3J	—	T15	ø10	9	ø1/8	VPHC10-9LB 617-1/8J	—	T15	
			ø4	VPHC10-9LB 617-4J	○				ø5/32	VPHC10-9LB 617-4/32J	○		
			ø6	VPHC10-9LB 617-6J	○				ø1/4	VPHC10-9LB 617-1/4J	—		
		10	ø3	VPHC10-10LB 617-3J	—			10	ø1/8	VPHC10-10LB 617-1/8J	—		
			ø4	VPHC10-10LB 617-4J	○				ø5/32	VPHC10-10LB 617-4/32J	○		
			ø6	VPHC10-10LB 617-6J	○				ø1/4	VPHC10-10LB 617-1/4J	—		
		15	ø3	VPHC10-15LB 617-3J	—			15	ø1/8	VPHC10-15LB 617-1/8J	—		
			ø4	VPHC10-15LB 617-4J	○				ø5/32	VPHC10-15LB 617-4/32J	○		
			ø6	VPHC10-15LB 617-6J	○				ø1/4	VPHC10-15LB 617-1/4J	—		
		20	ø3	VPHC10-20LB 617-3J	—			20	ø1/8	VPHC10-20LB 617-1/8J	—		
			ø4	VPHC10-20LB 617-4J	○				ø5/32	VPHC10-20LB 617-4/32J	○		
			ø6	VPHC10-20LB 617-6J	○				ø1/4	VPHC10-20LB 617-1/4J	—		
		25	ø3	VPHC10-25LB 617-3J	—			25	ø1/8	VPHC10-25LB 617-1/8J	—		
			ø4	VPHC10-25LB 617-4J	○				ø5/32	VPHC10-25LB 617-4/32J	○		
			ø6	VPHC10-25LB 617-6J	○				ø1/4	VPHC10-25LB 617-1/4J	—		
		30	ø3	VPHC10-30LB 617-3J	—			30	ø1/8	VPHC10-30LB 617-1/8J	—		
			ø4	VPHC10-30LB 617-4J	○				ø5/32	VPHC10-30LB 617-4/32J	○		
			ø6	VPHC10-30LB 617-6J	○				ø1/4	VPHC10-30LB 617-1/4J	—		
		40	ø3	VPHC10-40LB 617-3J	—			40	ø1/8	VPHC10-40LB 617-1/8J	—		
			ø4	VPHC10-40LB 617-4J	○				ø5/32	VPHC10-40LB 617-4/32J	○		
			ø6	VPHC10-40LB 617-6J	○				ø1/4	VPHC10-40LB 617-1/4J	—		
		50	ø3	VPHC10-50LB 617-3J	—			50	ø1/8	VPHC10-50LB 617-1/8J	—		
			ø4	VPHC10-50LB 617-4J	○				ø5/32	VPHC10-50LB 617-4/32J	○		
			ø6	VPHC10-50LB 617-6J	○				ø1/4	VPHC10-50LB 617-1/4J	—		
	ø15	9	ø3	VPHC15-9LB 617-3J	—	T15		ø15	9	ø1/8	VPHC15-9LB 617-1/8J	—	T15
			ø4	VPHC15-9LB 617-4J	○					ø5/32	VPHC15-9LB 617-4/32J	○	
			ø6	VPHC15-9LB 617-6J	○					ø1/4	VPHC15-9LB 617-1/4J	—	
		10	ø3	VPHC15-10LB 617-3J	—				10	ø1/8	VPHC15-10LB 617-1/8J	—	
			ø4	VPHC15-10LB 617-4J	○					ø5/32	VPHC15-10LB 617-4/32J	○	
			ø6	VPHC15-10LB 617-6J	○					ø1/4	VPHC15-10LB 617-1/4J	—	
		15	ø3	VPHC15-15LB 617-3J	—				15	ø1/8	VPHC15-15LB 617-1/8J	—	
			ø4	VPHC15-15LB 617-4J	○					ø5/32	VPHC15-15LB 617-4/32J	○	
			ø6	VPHC15-15LB 617-6J	○					ø1/4	VPHC15-15LB 617-1/4J	—	
20		ø3	VPHC15-20LB 617-3J	—	20		ø1/8		VPHC15-20LB 617-1/8J	—			
		ø4	VPHC15-20LB 617-4J	○			ø5/32		VPHC15-20LB 617-4/32J	○			
		ø6	VPHC15-20LB 617-6J	○			ø1/4		VPHC15-20LB 617-1/4J	—			
25		ø3	VPHC15-25LB 617-3J	—	25		ø1/8		VPHC15-25LB 617-1/8J	—			
		ø4	VPHC15-25LB 617-4J	○			ø5/32		VPHC15-25LB 617-4/32J	○			
		ø6	VPHC15-25LB 617-6J	○			ø1/4		VPHC15-25LB 617-1/4J	—			
30		ø3	VPHC15-30LB 617-3J	—	30		ø1/8		VPHC15-30LB 617-1/8J	—			
		ø4	VPHC15-30LB 617-4J	○			ø5/32		VPHC15-30LB 617-4/32J	○			
		ø6	VPHC15-30LB 617-6J	○			ø1/4		VPHC15-30LB 617-1/4J	—			
40		ø3	VPHC15-40LB 617-3J	—	40		ø1/8		VPHC15-40LB 617-1/8J	—			
		ø4	VPHC15-40LB 617-4J	○			ø5/32		VPHC15-40LB 617-4/32J	○			
		ø6	VPHC15-40LB 617-6J	○			ø1/4		VPHC15-40LB 617-1/4J	—			
50		ø3	VPHC15-50LB 617-3J	—	50		ø1/8		VPHC15-50LB 617-1/8J	—			
		ø4	VPHC15-50LB 617-4J	○			ø5/32		VPHC15-50LB 617-4/32J	○			
		ø6	VPHC15-50LB 617-6J	○			ø1/4		VPHC15-50LB 617-1/4J	—			

Vacuum Pad Soft Bellows Type

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

Holder type	Pad dia. (mm)	Stroke (mm)	Tube O.D. (mm)	Model code	⑬ -S3 -S3 spec.	Connection config. code	Pad dia. (mm)	Stroke (mm)	Tube O.D. (inch)	Model code	⑬ -S3 -S3 spec.	Connection config. code		
Spring type, Top port. Push-in fitting. Lightweight VPHC  Pad dia. 	ø20	9	ø3	VPHC20-9LB⑥⑦-3J	—	T40	ø20	9	ø1/8	VPHC20-9LB⑥⑦-④⑤③	—	T40		
			ø4	VPHC20-9LB⑥⑦-4J③	○				ø5/32	VPHC20-9LB⑥⑦-④⑤③	○			
			ø6	VPHC20-9LB⑥⑦-6J③	○				ø1/4	VPHC20-9LB⑥⑦-④⑤③	—		10	ø1/8
		ø3	VPHC20-10LB⑥⑦-3J	—	ø5/32			VPHC20-10LB⑥⑦-④⑤③	○					
		ø4	VPHC20-10LB⑥⑦-4J③	○	ø1/4			VPHC20-10LB⑥⑦-④⑤③	—	15	ø1/8			VPHC20-15LB⑥⑦-④⑤③
		ø6	VPHC20-10LB⑥⑦-6J③	○	ø5/32			VPHC20-15LB⑥⑦-④⑤③	○					
		ø3	VPHC20-15LB⑥⑦-3J	—	ø1/4			VPHC20-15LB⑥⑦-④⑤③	—		20		ø1/8	VPHC20-20LB⑥⑦-④⑤③
		ø4	VPHC20-15LB⑥⑦-4J③	○	ø5/32			VPHC20-20LB⑥⑦-④⑤③	○					
		ø6	VPHC20-15LB⑥⑦-6J③	○	ø1/4			VPHC20-20LB⑥⑦-④⑤③	—	25			ø1/8	VPHC20-25LB⑥⑦-④⑤③
		ø3	VPHC20-20LB⑥⑦-3J	—	ø5/32			VPHC20-25LB⑥⑦-④⑤③	○					
		ø4	VPHC20-20LB⑥⑦-4J③	○	ø1/4			VPHC20-25LB⑥⑦-④⑤③	—		30		ø1/8	VPHC20-30LB⑥⑦-④⑤③
		ø6	VPHC20-20LB⑥⑦-6J③	○	ø5/32			VPHC20-30LB⑥⑦-④⑤③	○					
		ø3	VPHC20-25LB⑥⑦-3J	—	ø1/4	VPHC20-30LB⑥⑦-④⑤③		—	40	ø1/8		VPHC20-40LB⑥⑦-④⑤③	—	
		ø4	VPHC20-25LB⑥⑦-4J③	○	ø5/32	VPHC20-40LB⑥⑦-④⑤③		○						
		ø6	VPHC20-25LB⑥⑦-6J③	○	ø1/4	VPHC20-40LB⑥⑦-④⑤③		—		50	ø1/8	VPHC20-50LB⑥⑦-④⑤③	—	
		ø3	VPHC20-30LB⑥⑦-3J	—	ø5/32	VPHC20-50LB⑥⑦-④⑤③		○						
		ø4	VPHC20-30LB⑥⑦-4J③	○	ø1/4	VPHC20-50LB⑥⑦-④⑤③		—	50		ø1/8	VPHC20-50LB⑥⑦-④⑤③	—	
		ø6	VPHC20-30LB⑥⑦-6J③	○	ø5/32	VPHC20-50LB⑥⑦-④⑤③		○						
		ø3	VPHC20-40LB⑥⑦-3J	—	ø1/4	VPHC20-50LB⑥⑦-④⑤③		—						
		ø4	VPHC20-40LB⑥⑦-4J③	○	M6	ø5/32		VPHC20-50LB⑥⑦-④⑤③	○					
		ø6	VPHC20-40LB⑥⑦-6J③	○		ø1/4		VPHC20-50LB⑥⑦-④⑤③	—					
		ø3	VPHC20-50LB⑥⑦-3J	—		ø5/32		VPHC20-50LB⑥⑦-④⑤③	○					
		ø4	VPHC20-50LB⑥⑦-4J③	○	M6	ø1/4		VPHC20-50LB⑥⑦-④⑤③	—					
		ø6	VPHC20-50LB⑥⑦-6J③	○		ø5/32		VPHC20-50LB⑥⑦-④⑤③	○					
ø3	VPHC20-50LB⑥⑦-3J	—	ø1/4	VPHC20-50LB⑥⑦-④⑤③		—								

- Notes**
 *Holders are also available in Push-in fitting type for tube O.D. of 1.8 mm and 2 mm, and barb fitting type. Contact us for the details.
- CAD**
 CAD data is available at PISCO website.
- Packaging specifications**
 1 pc./bag
- Options**
 ⑦: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
 ⑬: -S3 ⇒ -S3 spec. (○ in the lists: Available)
 *1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.
 *2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."

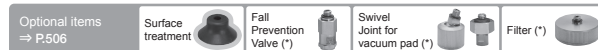


*Not available for configuration code: T40.

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

Holder type	Pad dia. (mm)	Stroke (mm)	Male thread size	Model code	⑬ -S3 spec.	Connection config. code
Spring type, Top port, Female thread, Lightweight VPHC 	ø6	9	M5×0.8	VPHC6-9LB⑥⑦-M5③	○	T15
		10		VPHC6-10LB⑥⑦-M5③	○	
		15		VPHC6-15LB⑥⑦-M5③	○	
		20		VPHC6-20LB⑥⑦-M5③	○	
		25		VPHC6-25LB⑥⑦-M5③	○	
		30		VPHC6-30LB⑥⑦-M5③	○	
	ø8	40	M5×0.8	VPHC6-40LB⑥⑦-M5③	○	M4
		50		VPHC6-50LB⑥⑦-M5③	○	
		9		VPHC8-9LB⑥⑦-M5③	○	
		10		VPHC8-10LB⑥⑦-M5③	○	
		15		VPHC8-15LB⑥⑦-M5③	○	
		20		VPHC8-20LB⑥⑦-M5③	○	
	ø10	25	M5×0.8	VPHC8-25LB⑥⑦-M5③	○	M4
		30		VPHC8-30LB⑥⑦-M5③	○	
		40		VPHC8-40LB⑥⑦-M5③	○	
		50		VPHC8-50LB⑥⑦-M5③	○	
	ø15	9	M5×0.8	VPHC10-9LB⑥⑦-M5③	○	T15
		10		VPHC10-10LB⑥⑦-M5③	○	
		15		VPHC10-15LB⑥⑦-M5③	○	
		20		VPHC10-20LB⑥⑦-M5③	○	
		25		VPHC10-25LB⑥⑦-M5③	○	
		30		VPHC10-30LB⑥⑦-M5③	○	
	ø20	40	M5×0.8	VPHC10-40LB⑥⑦-M5③	○	M4
		50		VPHC10-50LB⑥⑦-M5③	○	
		9		VPHC20-9LB⑥⑦-M5③	○	
		10		VPHC20-10LB⑥⑦-M5③	○	
		15		VPHC20-15LB⑥⑦-M5③	○	
		20		VPHC20-20LB⑥⑦-M5③	○	
		25		VPHC20-25LB⑥⑦-M5③	○	
		30		VPHC20-30LB⑥⑦-M5③	○	
		40		VPHC20-40LB⑥⑦-M5③	○	
		50		VPHC20-50LB⑥⑦-M5③	○	

- CAD**
 CAD data is available at PISCO website.
- Packaging specifications**
 1 pc./bag
- Options**
 ⑦: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
 ⑬: -S3 ⇒ -S3 spec. (○ in the lists: Available)
 *1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.
 *2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."



*Not available for configuration code: T15 and T40.

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

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code
Spring type, Side port, Push-in fitting, No cover, Lightweight VPHD 	ø6	ø3	VPHD6-5LB[6]7-3J	—	—	ø6	ø1/8	VPHD6-5LB[6]7-1/4J	—	—
		ø4	VPHD6-5LB[6]7-4J13	○	—		ø5/32	VPHD6-5LB[6]7-5/32J13	○	—
		ø6	VPHD6-5LB[6]7-6J13	○	—		ø1/4	VPHD6-5LB[6]7-1/4J	—	—
	ø8	ø3	VPHD8-5LB[6]7-3J	—	—	ø8	ø1/8	VPHD8-5LB[6]7-1/4J	—	—
		ø4	VPHD8-5LB[6]7-4J13	○	—		ø5/32	VPHD8-5LB[6]7-5/32J13	○	—
		ø6	VPHD8-5LB[6]7-6J13	○	—		ø1/4	VPHD8-5LB[6]7-1/4J	—	—
	ø10	ø3	VPHD10-5LB[6]7-3J	—	T15	ø10	ø1/8	VPHD10-5LB[6]7-1/4J	—	T15
		ø4	VPHD10-5LB[6]7-4J13	○	—		ø5/32	VPHD10-5LB[6]7-5/32J13	○	—
		ø6	VPHD10-5LB[6]7-6J13	○	—		ø1/4	VPHD10-5LB[6]7-1/4J	—	—
	ø15	ø3	VPHD15-5LB[6]7-3J	—	—	ø15	ø1/8	VPHD15-5LB[6]7-1/4J	—	—
		ø4	VPHD15-5LB[6]7-4J13	○	—		ø5/32	VPHD15-5LB[6]7-5/32J13	○	—
		ø6	VPHD15-5LB[6]7-6J13	○	—		ø1/4	VPHD15-5LB[6]7-1/4J	—	—
	ø20	ø3	VPHD20-5LB[6]7-3J	—	T40	ø20	ø1/8	VPHD20-5LB[6]7-1/4J	—	T40
		ø4	VPHD20-5LB[6]7-4J13	○	—		ø5/32	VPHD20-5LB[6]7-5/32J13	○	—
		ø6	VPHD20-5LB[6]7-6J13	○	—		ø1/4	VPHD20-5LB[6]7-1/4J	—	—

Holder type	Pad dia. (mm)	Male thread size	Model code	13 -S3 spec.	Connection config. code
Spring type, Side port, Female thread, No cover, Lightweight VPHD 	ø6	M5×0.8	VPHD6-5LB[6]7-M513	○	—
	ø8	M5×0.8	VPHD8-5LB[6]7-M513	○	T15
	ø10	M5×0.8	VPHD10-5LB[6]7-M513	○	—
	ø15	M5×0.8	VPHD15-5LB[6]7-M513	○	—
	ø20	M5×0.8	VPHD20-5LB[6]7-M513	○	T40

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code
Spring type, Dual side port, Push-in fitting, No cover, Lightweight VPHDW 	ø6	ø3	VPHDW6-5LB[6]7-3J	—	—	ø6	ø1/8	VPHDW6-5LB[6]7-1/4J	—	—
		ø4	VPHDW6-5LB[6]7-4J13	○	—		ø5/32	VPHDW6-5LB[6]7-5/32J13	○	—
		ø6	VPHDW6-5LB[6]7-6J13	○	—		ø1/4	VPHDW6-5LB[6]7-1/4J	—	—
	ø8	ø3	VPHDW8-5LB[6]7-3J	—	—	ø8	ø1/8	VPHDW8-5LB[6]7-1/4J	—	—
		ø4	VPHDW8-5LB[6]7-4J13	○	—		ø5/32	VPHDW8-5LB[6]7-5/32J13	○	—
		ø6	VPHDW8-5LB[6]7-6J13	○	T15		ø1/4	VPHDW8-5LB[6]7-1/4J	—	T15
	ø10	ø3	VPHDW10-5LB[6]7-3J	—	—	ø10	ø1/8	VPHDW10-5LB[6]7-1/4J	—	—
		ø4	VPHDW10-5LB[6]7-4J13	○	—		ø5/32	VPHDW10-5LB[6]7-5/32J13	○	—
		ø6	VPHDW10-5LB[6]7-6J13	○	—		ø1/4	VPHDW10-5LB[6]7-1/4J	—	—
	ø15	ø3	VPHDW15-5LB[6]7-3J	—	—	ø15	ø1/8	VPHDW15-5LB[6]7-1/4J	—	—
		ø4	VPHDW15-5LB[6]7-4J13	○	—		ø5/32	VPHDW15-5LB[6]7-5/32J13	○	—
		ø6	VPHDW15-5LB[6]7-6J13	○	—		ø1/4	VPHDW15-5LB[6]7-1/4J	—	—
	ø20	ø3	VPHDW20-5LB[6]7-3J	—	—	ø20	ø1/8	VPHDW20-5LB[6]7-1/4J	—	—
		ø4	VPHDW20-5LB[6]7-4J13	○	T40		ø5/32	VPHDW20-5LB[6]7-5/32J13	○	T40
		ø6	VPHDW20-5LB[6]7-6J13	○	—		ø1/4	VPHDW20-5LB[6]7-1/4J	—	—

Holder type	Pad dia. (mm)	Male thread size	Model code	13 -S3 spec.	Connection config. code
Spring type, Dual side port, Female thread, No cover, Lightweight VPHDW 	ø6	M5×0.8	VPHDW6-5LB[6]7-M513	○	—
	ø8	M5×0.8	VPHDW8-5LB[6]7-M513	○	T15
	ø10	M5×0.8	VPHDW10-5LB[6]7-M513	○	—
	ø15	M5×0.8	VPHDW15-5LB[6]7-M513	○	—
	ø20	M5×0.8	VPHDW20-5LB[6]7-M513	○	T40

Notes
 *Holders are also available in Push-in fitting type for tube O.D. of 1.8 mm and 2 mm, and barb fitting type. Contact us for the details.



CAD data is available
 at PISCO website.

Packaging specifications
 1 pc/bag

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

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code
Fixed type, Direct mount, Side port, Push-in fitting, Low profile VPHE 	ø6	ø3	VPHE6LB[6]7-3J	—	—	ø6	ø1/8	VPHE6LB[6]7-1/4J	—	—
		ø4	VPHE6LB[6]7-4J13	○	—		ø5/32	VPHE6LB[6]7-5/32J13	○	—
		ø6	VPHE6LB[6]7-6J13	○	—		ø1/4	VPHE6LB[6]7-1/4J	—	—
	ø8	ø3	VPHE8LB[6]7-3J	—	—	ø8	ø1/8	VPHE8LB[6]7-1/4J	—	—
		ø4	VPHE8LB[6]7-4J13	○	—		ø5/32	VPHE8LB[6]7-5/32J13	○	—
		ø6	VPHE8LB[6]7-6J13	○	T15		ø1/4	VPHE8LB[6]7-1/4J	—	T15
	ø10	ø3	VPHE10LB[6]7-3J	—	—	ø10	ø1/8	VPHE10LB[6]7-1/4J	—	—
		ø4	VPHE10LB[6]7-4J13	○	—		ø5/32	VPHE10LB[6]7-5/32J13	○	—
		ø6	VPHE10LB[6]7-6J13	○	—		ø1/4	VPHE10LB[6]7-1/4J	—	—
	ø15	ø3	VPHE15LB[6]7-3J	—	—	ø15	ø1/8	VPHE15LB[6]7-1/4J	—	—
		ø4	VPHE15LB[6]7-4J13	○	—		ø5/32	VPHE15LB[6]7-5/32J13	○	—
		ø6	VPHE15LB[6]7-6J13	○	—		ø1/4	VPHE15LB[6]7-1/4J	—	—
	ø20	ø3	VPHE20LB[6]7-3J	—	T40	ø20	ø1/8	VPHE20LB[6]7-1/4J	—	T40
		ø4	VPHE20LB[6]7-4J13	○	—		ø5/32	VPHE20LB[6]7-5/32J13	○	—
		ø6	VPHE20LB[6]7-6J13	○	—		ø1/4	VPHE20LB[6]7-1/4J	—	—

Holder type	Pad dia. (mm)	Male thread size	Model code	13 -S3 spec.	Connection config. code
Fixed type, Direct mount, Side port, Female thread, Low profile VPHE 	ø6	M5×0.8	VPHE6LB[6]7-M513	○	—
	ø8	M5×0.8	VPHE8LB[6]7-M513	○	T15
	ø10	M5×0.8	VPHE10LB[6]7-M513	○	—
	ø15	M5×0.8	VPHE15LB[6]7-M513	○	—
	ø20	M5×0.8	VPHE20LB[6]7-M513	○	T40

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code
Fixed type, Direct mount, Dual side port, Push-in fitting, Low profile VPHEW 	ø6	ø3	VPHEW6LB[6]7-3J	—	—	ø6	ø1/8	VPHEW6LB[6]7-1/4J	—	—
		ø4	VPHEW6LB[6]7-4J13	○	—		ø5/32	VPHEW6LB[6]7-5/32J13	○	—
		ø6	VPHEW6LB[6]7-6J13	○	—		ø1/4	VPHEW6LB[6]7-1/4J	—	—
	ø8	ø3	VPHEW8LB[6]7-3J	—	—	ø8	ø1/8	VPHEW8LB[6]7-1/4J	—	—
		ø4	VPHEW8LB[6]7-4J13	○	—		ø5/32	VPHEW8LB[6]7-5/32J13	○	—
		ø6	VPHEW8LB[6]7-6J13	○	T15		ø1/4	VPHEW8LB[6]7-1/4J	—	T15
	ø10	ø3	VPHEW10LB[6]7-3J	—	—	ø10	ø1/8	VPHEW10LB[6]7-1/4J	—	—
		ø4	VPHEW10LB[6]7-4J13	○	—		ø5/32	VPHEW10LB[6]7-5/32J13	○	—
		ø6	VPHEW10LB[6]7-6J13	○	—		ø1/4	VPHEW10LB[6]7-1/4J	—	—
	ø15	ø3	VPHEW15LB[6]7-3J	—	—	ø15	ø1/8	VPHEW15LB[6]7-1/4J	—	—
		ø4	VPHEW15LB[6]7-4J13	○	—		ø5/32	VPHEW15LB[6]7-5/32J13	○	—
		ø6	VPHEW15LB[6]7-6J13	○	—		ø1/4	VPHEW15LB[6]7-1/4J	—	—
	ø20	ø3	VPHEW20LB[6]7-3J	—	—	ø20	ø1/8	VPHEW20LB[6]7-1/4J	—	—
		ø4	VPHEW20LB[6]7-4J13	○	T40		ø5/32	VPHEW20LB[6]7-5/32J13	○	T40
		ø6	VPHEW20LB[6]7-6J13	○	—		ø1/4	VPHEW20LB[6]7-1/4J	—	—

Holder type	Pad dia. (mm)	Male thread size	Model code	13 -S3 spec.	Connection config. code
Fixed type, Direct mount, Dual side port, Female thread, Low profile VPHEW 	ø6	M5×0.8	VPHEW6LB[6]7-M513	○	—
	ø8	M5×0.8	VPHEW8LB[6]7-M513	○	T15
	ø10	M5×0.8	VPHEW10LB[6]7-M513	○	—
	ø15	M5×0.8	VPHEW15LB[6]7-M513	○	—
	ø20	M5×0.8	VPHEW20LB[6]7-M513	○	T40

Options
 17: Surface treatment (Fiber surface, DLC. coating, Reformed surface, and Fluoro-coating)
 13: -S3 ⇒ -S3 spec. (○ in the lists: Available)
 *1. For "-S3 spec.", the release ring color is dark blue, and the gasket material is FKM+SUS316.
 *2. For inch size push-in fitting, the release ring color is white even for "-S3 spec."

Optional items
 ⇒ P.506



Optional items (○: Available)

7 Pad surface treatment (Suction mark-free)

Pad dia. (mm)	7 Surface treatment code					Connection config. code
	-NF	-SF	-DL	-ER	-FG	
	Fiber surface	DLC coating	Reformed surface	Fluoro-coating		
ø6	—	—	○	○	○	
ø8	—	—	○	○	○	M4
ø10	○	○	○	○	○	T15
ø15	○	○	○	○	○	
ø20	○	○	○	○	○	M6
Material	S	S, SE	N, NE	S, SE		T40

Characteristics of surface treatment ▶ P.370

9 Dust Catcher: -DC

Optional	Connection config. code	-S3 spec.
Dust Catcher (-DC)	M4	○
	M6	○
Holder type		
VPC VPD VPF		

Characteristics of Dust Catcher ▶ P.371

10 Fall Prevention Valve: -ECV

Optional	Connection config. code	Model code
Fall Prevention Valve (-ECV)	M4	ECVM4-FM4
	M6	ECVM6-FM6

Characteristics of Fall Prevention Valve ▶ P.722

11 Swivel Joint: -FH, -FHH, -CFH

Optional	Swivel angle	Connection config. code	Model code
Ball Swivel Joint (-FH)(-FHH)	30° (-FH)	M4	FH10
		M6	FH20
	15° (-FHH)	M4	FH10-15
		M6	FH20-15

Characteristics of Ball Swivel Joint ▶ P.724

Optional	Connection config. code	-S3 spec.	Model code
Flexible Swing Joint (-CFH)	M4	○	CFHM4-FM4
	M6	○	CFHM6-FM6

*When ordering a Flexible Swing Joint alone, please enter "S3" at the end of the model code for -S3 specification.

Characteristics of Flexible Swing Joint ▶ P.725

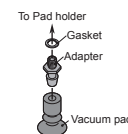
12 Filter: -F15, -F30

Optional	Filter area	Connection config. code	Model code
Pad Direct Mounting Filter (-F15)(-F30)	1.7cm ² (-F15)	M4	VFF15-M4
		M6	VFF15-M6
	7cm ² (-F30)	M6	VFF30-M6

Characteristics of Filter ▶ P.726

See the page 406 for the model designation including optional items.

Replacement parts (○: -S3 spec. is available)

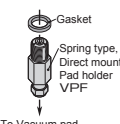


Adapter for soft pad Model code	13 : -S3	Applicable pad dia. (mm)	Applicable pad holder
FVPL15-M413	○	ø6 to ø15	Connection config. code M4
FVPL40-M613	○	ø20	Connection config. code M6

These adapters are necessary for mounting soft bellows pad to pad holders of M4 or M6 configuration code.

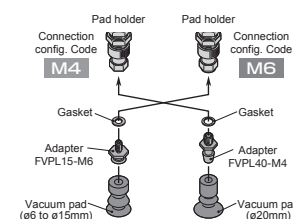
Gasket for adapter (*) Model code	Applicable adapter	Connection config. code
GAS-M4	FVPL15-M4, FVPL40-M4	M4
GAS-M6 (Fall prevention)	FVPL40-M6, FVPL15-M6	M6
-S3 spec.		
GAS-M5-SUS	FVPL15-M4-S3, FVPL40-M4-SUS	M4
GAS-M6-SUS	FVPL40-M6-S3, FVPL15-M6-SUS	M6

*Gasket for adapter is equipped with an Adapter. The model code above is for Gasket alone.



Gasket Model code	Applicable pad dia. (mm)	Connection config. code
VPFG10	All sizes	M4 M6

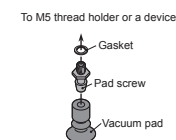
Rearrangement parts



Adapter for soft pad Model code	13 : -S3	Applicable pad dia. (mm)	Applicable pad holder
FVPL15-M613	○	ø6 to ø15	Connection config. code M6
FVPL40-M413	○	ø20	Connection config. code M4

These adapters can be used to mount soft bellows pad: dia. 20 mm to pad holders with configuration code: M4, or soft bellows pad: dia. 6 to 15 mm to pad holders with configuration code: M6.

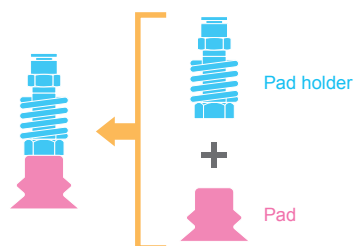
*Gasket for adapter is equipped with an Adapter. When the gasket alone is necessary, refer to "Model code of Gasket for adapter" above.



M5 thread adapter Model code	13 : -S3	Applicable pad dia. (mm)
FVPL15-M513	○	ø6 to ø15
FVPL40-M513	○	ø20

*Gasket for adapter is equipped with an Adapter.

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

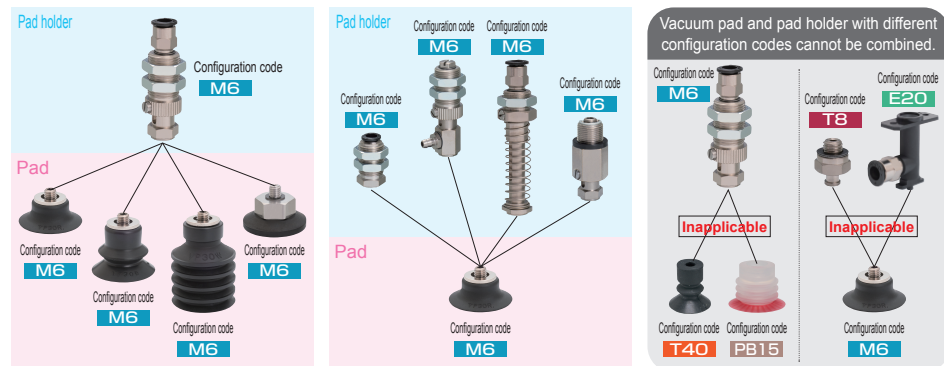


2. Vacuum pad and pad holder have a specific connection type depending on the size and shape.

Pad connection type	Insert type (Direct connection)		Mount type (Direct connection)		Screw type (Connection with screw)	
Connection configuration code	H3		T4 T8 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)	M4 M6 M10 M20 G1 G2 G3 G4		

*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)

Common holder

	Fixed type		Mini	Slim	Spring type		No cover	Low dust emission
	Mini	Standard			Standard			
Code	VPMA	VPA	VMC	VPSC	VPC	VPOC	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 M4 M6	T4 T8 M4 M6	
Code	VPMB	VPB	VPMD	—	VPD	VPOD	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 M4 M6	T4 T8 M4 M6	
Code	VPME	VPE	—	—	VPF	*Holders with configuration code: G1 to G4 can be connected to VPE holders.		
Type			—	—		 VPE holder (Male thread: G1, G2, G3, and G4)		
Configuration code	T4 T8 M4 M6	H3 T8 M4 M6 M10 M20 T15 T40	—	—	H3 T8 M4 M6			

Common holder (Lightweight/Low profile)

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

Special holder *Pads of other shapes cannot be installed.

	Top port		Side port
	Code	Code	
Code	VPA	VPB	
Type			
Configuration code	E10 E20	E10 E20	
Code	VPA	VPE	
Type			
Configuration code	PB8 PB15	PB8 PB15	

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

Pad type or application	Standard														Pad type or application
	Small	General	Deep	Bellows	Multi-bellows	Metal detectable	Skidproof	Pat Large suction flow type	Mark-free	Soft	Soft bellows	Sponge	Ultrathin	For packaging bag	
Code	R	R	A	B	W	BE,BD	K	F,FH	Q	L	LB	S	P	PB	Code
0.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	2x4
1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	3.5x7
1.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	4x10
2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	5x10
3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	6x10
4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8x10
6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	4x30
8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	5x30
10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	6x30
15	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8x30
20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
25	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
30	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
35	○	○	○	○	○	○	○	○	○	○	○	○	○	○	
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	Small	General	Deep	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
Code	RM	R	A	B	W	BE, BD	K	F, FH	Q	L	LB	S	P	PB	Code
0.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	2x4
1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	3.5x7
1.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	4x10
2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	5x10
3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	6x10
4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	4x20
6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	4x30
8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	5x30
10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	6x30
15	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8x20
20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	8x30
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
Rubber 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		
Pad color	Black	Clear white	Dark blue	Gray	Black	Black	Light gray	Black	Black	Red-orange	Black	Pink	Blue	Reddish-brown	Dark-green	Brown	Green
Material code marking ¹⁾	None	None	None	None	SE	NE	None	HN	EP	None	None	None	None	SF	SF	SS	SS
Standard	General	Deep	Small	RM	○	○	○	○	○	○	○	○	○	○	○	○	○
Soft	L	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Soft bellows	LB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Skidproof	K	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Bellows	B	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Multi-bellows	W	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
For packaging bag	PB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Metal Detectable	BE	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
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
Rubber material	Silicone	Chloroprene
Pad color	Dark-orange	Black

*1. For vacuum pads in black color (SE: Conductive silicone, NE: Conductive NBR (low resistance), HN: HNBR and EP: EPDM) and Vacuum pad Metal Detectable type, the pad material code is marked on the top or the side of the vacuum pad for material identification. (The marking on black vacuum pads has started since Oct. 2023 gradually.)



*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.

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

Code			No code	-NF	-SF	-DL	-ER	-FG
Surface treatment			None	Fiber surface		DLC. coating	Reformed surface	Fluoro-coating
				Nylon fiber	Silk fiber			
			—					
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 (YS2, YS4)
Pad type	Standard	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.

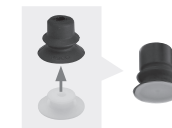
(6) Connection configuration code (Required for Pad & screw set only.) Please refer to the Pad size and type list on the 374 page.

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

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).



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

 Standard series, General type (R) and Deep type (A) Vacuum pad alone										 P.406
Model code	○: Available as standard item								Connection config. code	
	[4] Pad rubber material									
	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]	○	○	○	○	○	○	○	○	○	H3
VP2R[4]	○	○	○	○	○	○	○	○	○	
VP3R[4]	○	○	○	○	○	○	○	○	○	
VP4R[4]	○	○	○	○	○	○	○	○	○	
VP6R[4]5	○	○	○	○	○	○	○	○	○	T8
VP8R[4]5	○	○	○	○	○	○	○	○	○	
VP10R[4]5	○	○	○	○	○	○	○	○	○	
VP15R(A)[4]5	●	●	●	●	●	●	●	●	●	
VP20R(A)[4]5	●	●	●	●	●	●	●	●	●	M4(3)
VP25R(A)[4]5	●	●	●	●	●	●	●	●	●	
VP30R(A)[4]5	●	●	●	●	●	●	●	●	●	
VP40R(A)[4]5	●	●	●	●	●	●	●	●	●	
VP50R(A)[4]5	●	●	●	●	●	●	●	●	●	M6(3)
VP60R(A)[4]5	●	●	●	●	●	●	—	●	●	
VP80R(A)[4]5	●	●	●	●	○	●	—	●	●	
VP100R(A)[4]5	●	●	●	●	○	●	—	●	●	
VP150R[4]5	○	○	○	○	○	○	—	○	○	M10(3)
VP200R[4]5	○	○	○	○	○	○	—	○	○	
VP250R[4]5	○	○	○	○	○	○	—	○	○	
VP300R[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	DLC	Reformed surface	Fluoro-coating	
	Nylon	Silk			
ø6	—	—	○	○	○
ø8	—	—	○	○	○
ø10	—	—	○	○	○
ø15	●	●	●	●	●
ø20	●	●	●	●	●
ø25	●	●	●	●	●
ø30	●	●	●	●	●
ø40	●	●	●	●	●
ø50	●	●	●	●	●
ø60	●	●	—	—	—
ø80	●	●	—	—	—
ø100	—	—	—	—	—
ø150	—	—	—	—	○
ø200	—	—	—	—	○
Material	S, F	S, F, SE	N, NE	S, SE	



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

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


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Standard series, Small type Vacuum pad alone

Model code	○: Available as standard item								Connection config. code	
	[4] Pad rubber material									
	N	S	U	F	SE	NE	G	HN		EP
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	Food Sant. Act compliant NBR	HNBR		EPDM
VP0.7RM[4]5	○	○	○	○	○	○	○	○	○	T4
VP1RM[4]5	○	○	○	○	○	○	○	○	○	
VP1.5RM[4]5	○	○	○	○	○	○	○	○	○	
VP2RM[4]5	○	○	○	○	○	○	○	○	○	
VP3RM[4]5	○	○	○	○	○	○	○	○	○	
VP4RM[4]5	○	○	○	○	○	○	○	○	○	

- 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.

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).



Soft series,
Pad rubber alone

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Soft series,
Pad & screw set

P.446

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							[8]
	N	S	FS	SE	NE			N	S	FS	SE	NE	-S3		
	Nitrile	Silicone	Fluoro silicone	Conductive silicone	Conductive NBR (Low resistance)			Nitrile	Silicone	Fluoro silicone	Conductive silicone	Conductive NBR (Low resistance)	-S3 spec.		
VP4L[4]5	○	○	○	○	○	T15 M4(3)	VP4L[4]5-M4[8]	○	○	○	○	○	○	M4	
VP6L[4]5	○	○	○	○	○		VP6L[4]5-M4[8]	○	○	○	○	○	○		
VP8L[4]5	○	○	○	○	○		VP8L[4]5-M4[8]	○	○	○	○	○	○		
VP10L[4]5	○	○	○	○	○		VP10L[4]5-M4[8]	○	○	○	○	○	○		
VP15L[4]5	○	○	○	○	○	T40 M6(3)	VP15L[4]5-M4[8]	○	○	○	○	○	○	M6	
VP20L[4]5	○	○	○	○	○		VP20L[4]5-M6[8]	○	○	○	○	○	○		
VP30L[4]5	○	○	○	○	○		VP30L[4]5-M6[8]	○	○	○	○	○	○		
VP40L[4]5	○	○	○	○	○		VP40L[4]5-M6[8]	○	○	○	○	○	○		





Soft bellows series, Pad rubber alone

Model code	○: Available as standard item							Connection config. code	
	[4] Pad rubber material								
	N	S	U	SE	NE	HN	EP		
	Nitrile	Silicone	Urethane	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM		
VP6LB[4]5	○	○	○	○	○	○	○	T15 M4(3)	
VP8LB[4]5	○	○	○	○	○	○	○		
VP10LB[4]5	○	○	○	○	○	○	○		
VP15LB[4]5	○	○	○	○	○	○	○	T40 M6(3)	
VP20LB[4]5	○	○	○	○	○	○	○		





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Soft bellows series,
Pad & screw set

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

 Skidproof series, Pad rubber alone														
 Skidproof series, Pad & screw set														
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						[8] -S3 spec.
	NH	S	U	F	NE			NH	S	U	F	NE		
	Oil proof NBR	Silicone	Urethane	Fluoro	Conductive NBR (Low resistance)			Oil proof NBR	Silicone	Urethane	Fluoro	Conductive NBR (Low resistance)		
VP10K[4]	○	○	○	○	○	M4(3)	VP10K[4]-M4[8]	○	○	○	○	○	M4	
VP20K[4]	○	○	○	○	○		VP20K[4]-M6[8]	○	○	○	○	○		
VP30K[4]	○	○	○	○	○	M6(3)	VP30K[4]-M6[8]	○	○	○	○	○	M6	
VP40K[4]	○	○	○	○	○		VP40K[4]-M6[8]	○	○	○	○	○		
VP50K[4]	○	○	○	○	○		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.

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-).



Bellows series,

Pad rubber alone



P526

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	○	○	—	—	—	—	—	—	—	—	H3
VP4B④	○	○	—	—	—	—	○	—	—	—	
VP6B④⑤	○	○	—	—	○	○	○	○	○	○	T8
VP8B④⑤	○	○	—	—	○	○	○	○	○	○	
VP10B④⑤	○	○	(*)	(*)	○	○	○	○	○	○	M4③
VP15B④⑤	○	○	(*)	○	○	○	○	○	○	○	
VP20B④⑤	○	○	○	○	○	○	○	○	○	○	M6③
VP25B④⑤	○	○	○	○	○	○	○	○	○	○	
VP30B④⑤	○	○	○	○	○	○	○	○	○	○	
VP40B④⑤	○	○	○	○	○	○	○	○	○	○	
VP50B④⑤	○	○	○	○	○	○	○	○	○	○	
VP60B④⑤	○	○	—	—	○	○	○	○	○	○	M10③
VP80B④⑤	○	○	—	—	○	○	○	○	○	○	
VP100B④⑤	○	○	—	—	○	○	○	○	○	○	



Bellows series,
Pad & screw set

P526

Model code	○: Available as standard item										Connection config. code	
	④ Pad rubber material											⑧
	N	S	YS2	YS4	U	F	SE	NE	HN	EP		-S3
	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	○	○	—	—	○	○	○	○	○	○	(*)	M10
VP80B④⑤-M10⑧	○	○	—	—	○	○	○	○	○	○	○	
VP100B④⑤-M10⑧	○	○	—	—	○	○	○	○	○	○	○	

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

Pad dia. (mm)	⑤ Surface treatment code					Reformed surface	Fluoro-coating (S, SE) (YS2, YS4)
	-NF	-SF	-DL	-ER	-FG		
	Fiber surface Nylon	Silk coating	DLC coating				
ø6	—	—	○	○	—		
ø8	—	—	○	○	—		
ø10	—	—	○	○	—		
ø15	○	○	○	○	○		
ø20	○	○	○	○	○		
ø25	○	○	○	○	○		
ø30	○	○	○	○	○		
ø40	○	○	○	○	○		
ø50	○	○	○	○	○		
ø60	○	○	—	○	—		
ø80	○	○	—	—	○		
ø100	—	—	—	—	○		
Material	S, F		S, F, SE		N, NE	S, SE, YS2, YS4	

*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
					-S3	
	Extra soft silicone*2				-S3	
	Hardness20°	Hardness40°	spec.			
						
VP10B④-FG	○	○	—			
VP15B④-FG	○	—	—			M4③
Pad & screw set						
VP10B④-FG-M4⑧	○	○	○			
VP15B④-FG-M4⑧	○	—	○			M4

*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⁾		-S3	
	Hardness20 [*]	Hardness40 [*]	-S3 spec.	
				
VP10B ^④ -FG	○	○	—	M4 ^③
VP15B ^④ -FG	○	—	—	
	Pad & screw set			
VP10B ^④ -FG-M4 ^⑧	○	○	○	M4
VP15B ^④ -FG-M4 ^⑧	○	—	○	

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-).

Bellows series, with Resin attachment

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	○	○	○	○	○	○	○	○	M4③①	
VP10B④-QM	○	○	○	○	○	○	○	○		
VP10B④-QKE	○	○	○	○	○	○	○	○		
VP15B④-QK	○	○	○	○	○	○	○	○		
VP15B④-QM	○	○	○	○	○	○	○	○		
VP15B④-QKE	○	○	○	○	○	○	○	○	M6③①	
VP20B④-QK	○	○	○	○	○	○	○	○		
VP20B④-QM	○	○	○	○	○	○	○	○		
VP20B④-QKE	○	○	○	○	○	○	○	○		
VP25B④-QK	○	○	○	○	○	○	○	○		
VP25B④-QM	○	○	○	○	○	○	○	○		
VP25B④-QKE	○	○	○	○	○	○	○	○	M6③①	
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.

● How to attach

- (1) Fix a bellows pad and a pad holder with a pad screw.
- (2) Attach a resin attachment to the bellows pad.

Bellows series, Pad & screw set + Resin attachment

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-M4-QK⑧	○	○	○	○	○	○	○	○	M4	
VP10B④-M4-QM⑧	○	○	○	○	○	○	○	○		
VP10B④-M4-QKE⑧	○	○	○	○	○	○	○	○		
VP15B④-M4-QK⑧	○	○	○	○	○	○	○	○		
VP15B④-M4-QM⑧	○	○	○	○	○	○	○	○		
VP15B④-M4-QKE⑧	○	○	○	○	○	○	○	○	M6	
VP20B④-M6-QK⑧	○	○	○	○	○	○	○	○		
VP20B④-M6-QM⑧	○	○	○	○	○	○	○	○		
VP20B④-M6-QKE⑧	○	○	○	○	○	○	○	○		
VP25B④-M6-QK⑧	○	○	○	○	○	○	○	○		
VP25B④-M6-QM⑧	○	○	○	○	○	○	○	○		
VP25B④-M6-QKE⑧	○	○	○	○	○	○	○	○	M6	
VP30B④-M6-QK⑧	○	○	○	○	○	○	○	○		
VP30B④-M6-QM⑧	○	○	○	○	○	○	○	○		
VP30B④-M6-QKE⑧	○	○	○	○	○	○	○	○		

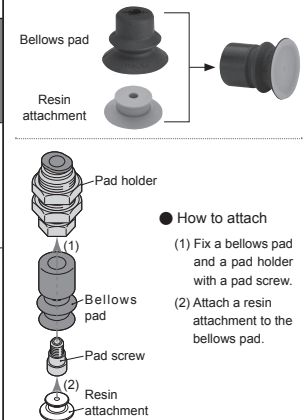
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Mark-free resin attachment for Bellows series

P526

Model code	○: Available as standard item		
	④ Resin attachment material		
	K	M	KE
VP10BQ④-AT	○	○	○
VP15BQ④-AT	○	○	○
VP20BQ④-AT	○	○	○
VP25BQ④-AT	○	○	○
VP30BQ④-AT	○	○	○

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.





Bellows series,

Pad & screw set + Resin attachment



Mark-free resin attachment for

Bellows series

○: Available as standard item ④ Pad rubber material ⑧										Connection config. code	○: Available as standard item ④ Resin attachment material			
Model code	N	S	U	F	SE	NE	HN	EP	-S3		Model code	K	M	KE
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM	-S3 spec.			PEEK	POM	Conductive PEEK
VP10B④-M4-QK⑧	○	○	○	○	○	○	○	○	○		M4	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	○	○	○	○	○	○	○	○	○	M6				
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	○	○	○	○	○	○	○	○	○					

Mark-free resin attachment for Bellows series

Model code	○: Available as standard item		
	④ Resin attachment material		
	K	M	KE
	PEEK	POM	Conductive PEEK
VP10BQ④-AT	○	○	○
VP15BQ④-AT	○	○	○
VP20BQ④-AT	○	○	○
VP25BQ④-AT	○	○	○
VP30BQ④-AT	○	○	○

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

○: Available as standard item

④ Pad rubber material

Model code	N	S	YS2	YS4	U	F	NE	G	HN	EP	Connection config. code
	Nitrile	Silicone	Extra soft silicone ⁽¹⁾ Hardness 20°	Hardness 40°	Urethane	Fluoro	Conductive NBR Low resistance	Food Sant. Act compliant NBR	HNBR	EPDM	
VP6W④⑤	○	○	—	—	—	○	○	○	○	○	T8
VP8W④⑤	○	○	—	—	—	○	○	○	○	○	M4②
VP10W④⑤	○	○	(*)3	(*)3	○	○	○	○	○	○	M6②
VP20W④⑤	○	○	○	○	○	○	○	○	○	○	
VP30W④⑤	○	○	○	○	○	○	○	○	○	○	
VP40W④⑤	○	○	○	○	○	○	○	○	○	○	
VP50W④⑤	○	○	○	○	○	○	○	○	○	○	

P.560



Multi-bellows series,
Pad & screw set


P.560

○: Available as standard item												Connection config. code
Model code	④ Pad rubber material										⑧	
	N	S	YS2	YS4	U	F	NE	G	HN	EP	-S3	
	Nitrile	Silicone	Extra soft silicone ⁽¹⁾ Hardness 20°	Hardness 40°	Urethane	Fluoro	Conductive NBR (Low resistance)	Food Sant. Act compliant NBR	HNBR	EPDM	-S3 spec.	
VP10W④⑤-M4⑧	○	○	(*)3	(*)3	○	○	○	○	○	○	○	M4
VP20W④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	
VP30W④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	
VP40W④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	
VP50W④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○	M6

P.586		P.586		P.586		P.586	
Packaging bag 3 cnvls Lip hardness 20° Pad rubber alone		Packaging bag 3 cnvls Lip hardness 40° Pad rubber alone		Packaging bag 5 cnvls Lip hardness 20° Pad rubber alone		Packaging bag 5 cnvls 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
VP20PBS23⑤	PB8	VP20PBS43⑤	PB8	VP20PBS25⑤	PB8	VP20PBS45⑤	PB8
VP25PBS23⑤		VP25PBS43⑤		VP25PBS25⑤		VP25PBS45⑤	
VP30PBS23⑤		VP30PBS43⑤		VP30PBS25⑤		VP30PBS45⑤	
VP40PBS23⑤	PB15	VP40PBS43⑤	PB15	VP40PBS25⑤	PB15	VP40PBS45⑤	PB15
VP50PBS23⑤		VP50PBS43⑤		VP50PBS25⑤		VP50PBS45⑤	
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)

Pad dia. (mm)	⑤ Surface treatment code		
	-DL	-ER	-FG
	DLC. Reformed coating	Reformed surface	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	YS2	YS4	⑧	Connection config. code
	Extra soft silicone ⁽¹⁾ Hardness 20°	Hardness 40°	-S3 spec.	
VP10W④-FG	○	○	—	M4②
Pad & screw set				
VP10W④-FG-M4⑧	○	○	○	M4

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

Pad dia. (mm)	⑤ Surface treatment code	
	-FG	Fluoro-coating (3 cnvls) (5 cnvls)
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				
Model code	○: Available as standard item				Connection config. code
	④ Pad rubber material				
	MSF3	MSF5	MSS3	MSS5	
	Metal detectable silicone				
	Iron powder type		SUS powder type		
	Hardness 30°	Hardness 50°	Hardness 30°	Hardness 50°	
VP10BE④	○	○	○	○	M4②
VP15BE④	○	○	○	○	M6②
VP20BE④	○	○	○	○	M6②

	 Metal Detectable series (Bellows with bumps and ribs), Pad & screw set				
Model code	○: Available as standard item				Connection config. code
	④ Pad rubber material				
	MSF3	MSF5	MSS3	MSS5	
	Metal detectable silicone				
	Iron powder type		SUS powder type		
	Hardness 30°	Hardness 50°	Hardness 30°	Hardness 50°	
VP10BE④-M4⑧	○	○	○	○	M4⑧
VP15BE④-M4⑧	○	○	○	○	M6⑧
VP20BE④-M6⑧	○	○	○	○	M6⑧

 New Metal Detectable series (Bellows with bumps and no ribs), Pad rubber alone										 P.590	
Model code	○ Available as standard item				Connection config. code	Model code	○ Available as standard item				Connection config. code
	④ Pad rubber material						⑧ Pad rubber material				
	MSF3	MSF5	MSS3	MSS5			MSF3	MSF5	MSS3	MSS5	
	Metal detectable silicone						Metal detectable silicone				
	Iron powder type		SUS powder type				Iron powder type		SUS powder type		
Hardness 30°		Hardness 50°		Hardness 30°		Hardness 50°		Hardness 30°		Hardness 50°	
VP10BD④	○	○	○	○	M4④	VP10BD④-M4⑧	○	○	○	○	M4
VP15BD④	○	○	○	○		VP15BD④-M4⑧	○	○	○	○	
VP20BD④	○	○	○	○	M6④	VP20BD④-M6⑧	○	○	○	○	M6

							P.604				
Ultrathin series, Pad rubber alone							■ Available pad size and material for surface treatment (Ultrathin series)				
Model code	○: Available as standard item						Connection config. code	⑤ Surface treatment code			
	④ Pad rubber material							-DL -ER -FG			
	N	S	U	F	FS	NE		DLC. coating	Reformed surface	Fluoro- coating	
	Nitrile	Silicone	Urethane	Fluoro	Fluoro silicone	Conductive NBR (Low resistance)					
VP8P④⑤	○	○	○	○	○	○	TB	ø8	○	○	○
VP10P④⑤	○	○	○	○	○	○		ø10	○	○	○
VP15P④⑤	○	○	○	○	○	○		ø15	○	○	○
VP20P④⑤	○	○	○	○	○	○		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.

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

Pad dia. (mm)	⑤ Surface treatment code		
	-DL	-ER	-FG
	DLC. Reformed coating	Reformed surface	Fluoro-coating
ø8	○	○	○
ø10	○	○	○
ø15	○	○	○
ø20	○	○	○
Material	S, F	N, NE	S

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-).

 Flat series, Pad rubber alone								 Flat series, Pad & screw set									
○: Available as standard item								○: Available as standard item									
④ Pad rubber material								④ Pad rubber material									
Model code	N	S	U	F	SE	NE	Connection config. code	Model code	N	S	U	F	SE	NE	-S3	Connection config. code	
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)			Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	-S3 spec.		
VP10F④⑤	○	○	○	○	○	○	M4⑦①	VP10F④⑤-M4⑧	○	○	○	○	○	○	○	M4	
VP15F④⑤	○	○	○	○	○	○		VP15F④⑤-M4⑧	○	○	○	○	○	○	○		○
VP20F④⑤	○	○	○	○	○	○	M6⑦①	VP20F④⑤-M6⑧	○	○	○	○	○	○	○	M6	
VP25F④⑤	○	○	○	○	○	○		VP25F④⑤-M6⑧	○	○	○	○	○	○	○		○
VP30F④⑤	○	○	○	○	○	○		VP30F④⑤-M6⑧	○	○	○	○	○	○	○		○

 Flat large suction flow series, Pad rubber alone							 Flat large suction flow series, Pad & screw set							
○: Available as standard item							○: Available as standard item							
④ Pad rubber material							④ Pad rubber material							
Model code	N	S	F	SE	NE	Connection config. code	Model code	N	S	F	SE	NE	⑤	Connection config. code
	Nitrile	Silicone	Fluoro	Conductive silicone	Conductive NBR (Low resistance)			Nitrile	Silicone	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	-S3 spec.	
VP10FH④⑤	○	○	○	○	○	M4⑧	VP10FH④⑤-M4⑧	○	○	○	○	○	○	M4
VP15FH④⑤	○	○	○	○	○		VP15FH④⑤-M4⑧	○	○	○	○	○	○	
VP20FH④⑤	○	○	○	○	○	M6⑧	VP20FH④⑤-M6⑧	○	○	○	○	○	○	M6
VP25FH④⑤	○	○	○	○	○		VP25FH④⑤-M6⑧	○	○	○	○	○	○	
VP30FH④⑤	○	○	○	○	○		VP30FH④⑤-M6⑧	○	○	○	○	○	○	

 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			K	M	KE		-S3	
	PEEK	POM	Conductive PEEK			PEEK	POM	Conductive PEEK	-S3 spec.		
VP10Q④	○	○	○	M4①	VP10Q④-M4⑧	○	○	○	○	M4	
VP20Q④	○	○	○	M6①	VP20Q④-M6⑧	○	○	○	○	M6	
VP30Q④	○	○	○		VP30Q④-M6⑧	○	○	○	○		



Sponge series, Pad rubber alone

P.656



Sponge series, Pad & screw set

P.656

○: Available as standard item				○: Available as standard item				
Model code		④ Pad rubber material		Connection config. code	Model code		Connection config. code	
C	S	C	S		-S3			
Chloroprene	Silicone	Chloroprene	Silicone		-S3 spec.			
VP10S④	○	○	○	M8④①	VP10S④-M6⑧	○	○	M6
VP15S④	○	○	○		VP15S④-M6⑧	○	○	
VP20S④	○	○	○		VP20S④-M6⑧	○	○	
VP25S④	○	○	○		VP25S④-M6⑧	○	○	
VP30S④	○	○	○		VP30S④-M6⑧	○	○	
VP35S④	○	○	○	M10④①	VP35S④-M6⑧	○	○	M10
VP50S④	○	○	○		VP50S④-M6⑧	○	○	
VP70S④	○	○	○		VP70S④-M10	○	○	
VP100S④	○	○	○		VP100S④-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-).

P.680

 Oval series, Pad rubber alone											
○: Available as standard item											
④ Pad rubber material											
Model code	N	S	U	F	SE	NE	HN	EP	Connection config. code		
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM			
VP2×4E④⑤	○	○	○	○	○	○	○	○		E10	M6⑧
VP3.5×7E④⑤	○	○	○	○	○	○	○	○		E10	
VP4×10E④⑤	○	○	○	○	○	○	○	○		E20	
VP4×20E④⑤	○	○	○	○	○	○	○	○		E10	
VP4×30E④⑤	○	○	—	—	○	○	○	○		E20	
VP5×10E④⑤	○	○	○	○	○	○	○	○		E10	
VP5×20E④⑤	○	○	○	○	○	○	○	○		E20	
VP5×30E④⑤	○	○	○	○	○	○	○	○		E10	
VP6×10E④⑤	○	○	○	○	○	○	○	○		E20	
VP6×20E④⑤	○	○	○	○	○	○	○	○		E10	
VP6×30E④⑤	○	○	○	○	○	○	○	○		E20	
VP8×20E④⑤	○	○	○	○	○	○	○	○			
VP8×30E④⑤	○	○	○	○	○	○	○	○			


P80



Oval series,
Pad & screw set

○: Available as standard item											
④ Pad rubber material											⑧
Model code	N	S	U	F	SE	NE	HN	EP	-S3		
	Nitrile	Silicone	Urethane	Fluoro	Conductive silicone	Conductive NBR (Low resistance)	HNBR	EPDM	-S3 spec.		
VP2×4E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP3.5×7E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP4×10E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP4×20E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP4×30E④⑤-M6⑧	○	○	—	—	○	○	○	○	○	○	○
VP5×10E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP5×20E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP5×30E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP6×10E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP6×20E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP6×30E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP8×20E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○
VP8×30E④⑤-M6⑧	○	○	○	○	○	○	○	○	○	○	○

Connector
config. code

M6

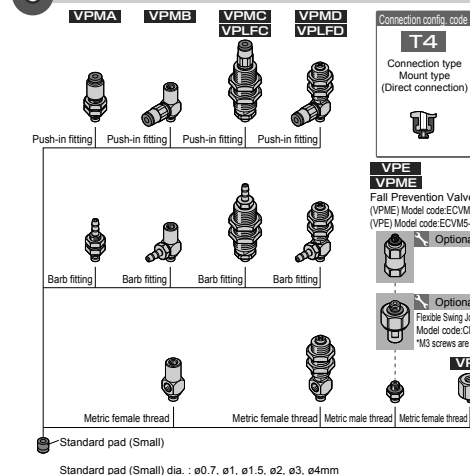
- Notes**
- *A pad screw is required to mount on the holder. If you do not have a pad screw, please select from the Pad & screw set.
- CAD data is available at PISCO website.
- Packaging specifications 1 pc./bag
- Options
⑤ : Surface treatment
⑧ : -S3 ⇒ -S3 spec.

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

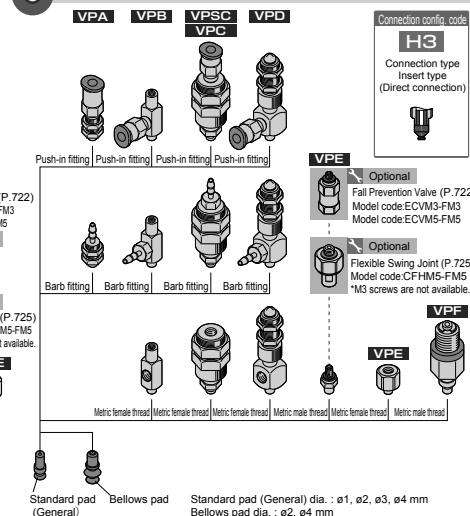
Pad dia. (mm)	⑤ Surface treatment code		
	-DL	-ER	-FG
	DLC coating	Reformed surface	Fluoro-coating
2×4	○	○	○
3.5×7	○	○	○
4×10	○	○	○
4×20	○	○	○
4×30	○	○	○
5×10	○	○	○
5×20	○	○	○
5×30	○	○	○
6×10	○	○	○
6×20	○	○	○
6×30	○	○	○
8×20	○	○	○
8×30	○	○	○
Material	S, F, SE	N, NE	S, SE

Vacuum Pad Configuration

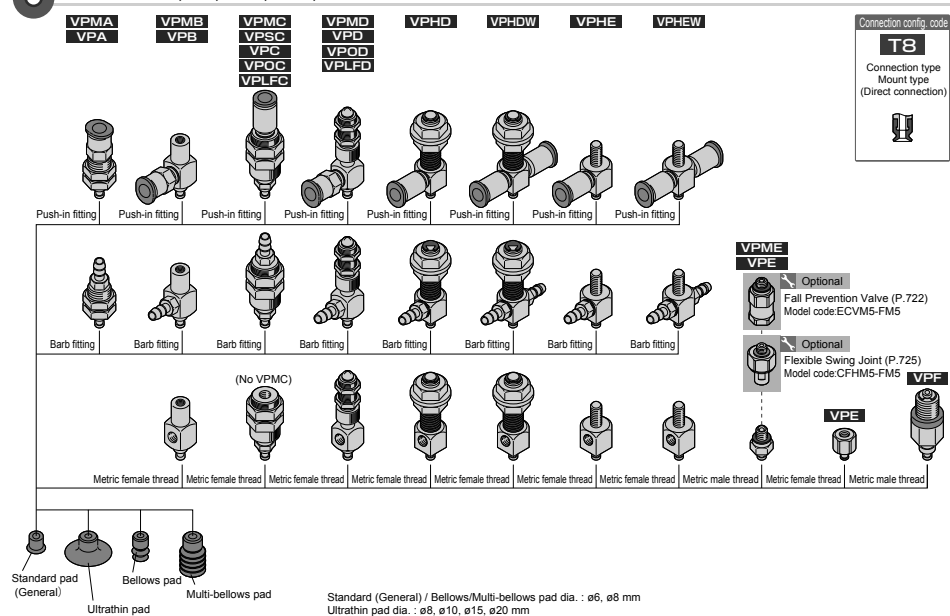
Pad dia. : $\phi 0.7, \phi 1, \phi 1.5, \phi 2, \phi 3, \phi 4$ mm



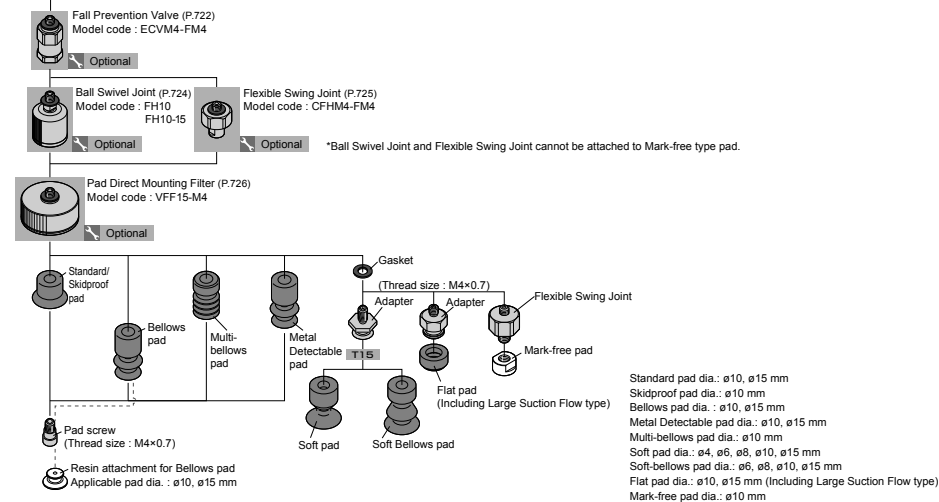
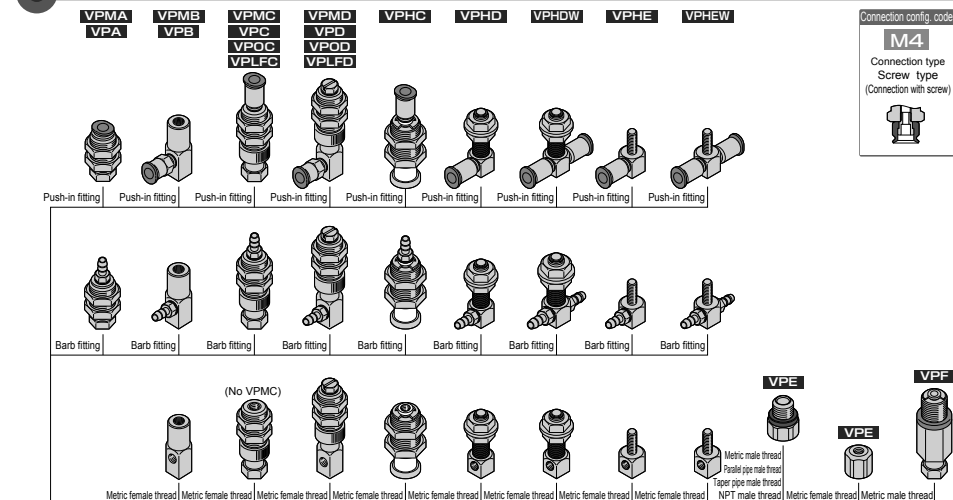
Pad dia. : $\phi 1, \phi 2, \phi 3, \phi 4$ mm



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

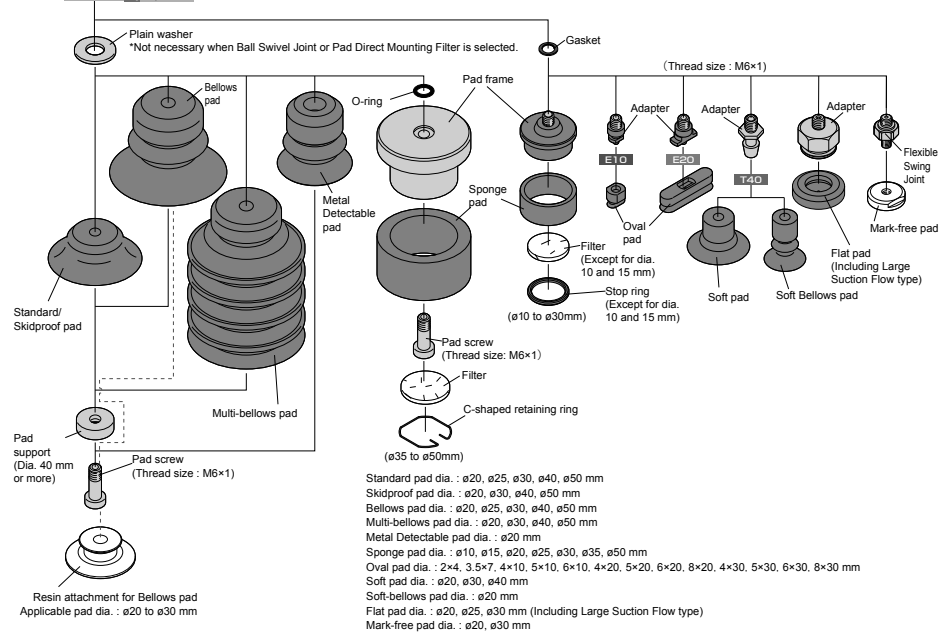
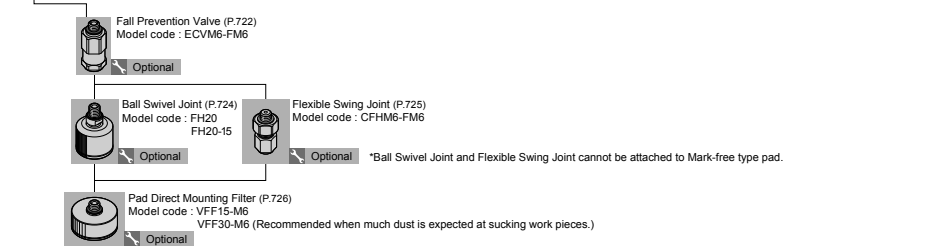
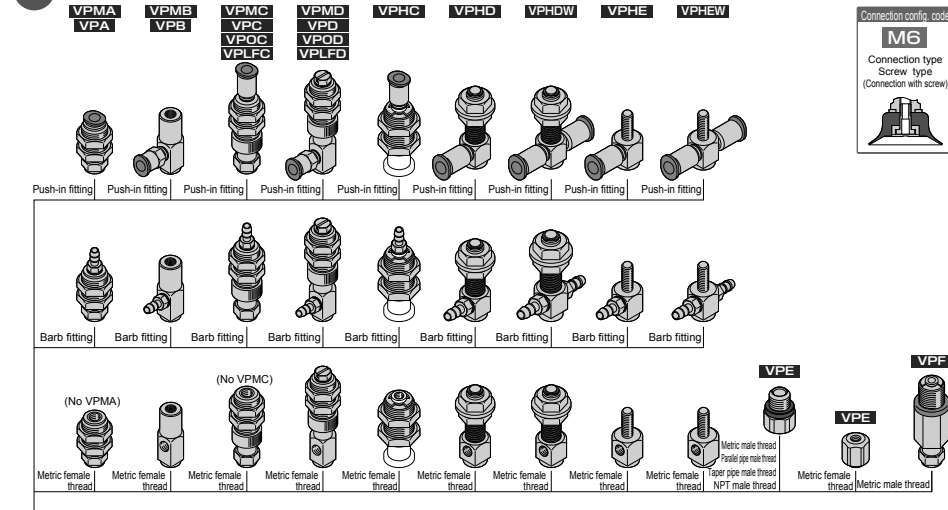


Pad dia. : $\phi 4, \phi 6, \phi 8, \phi 10, \phi 15$ mm

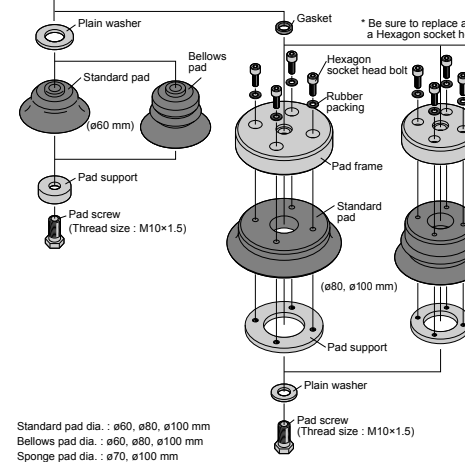
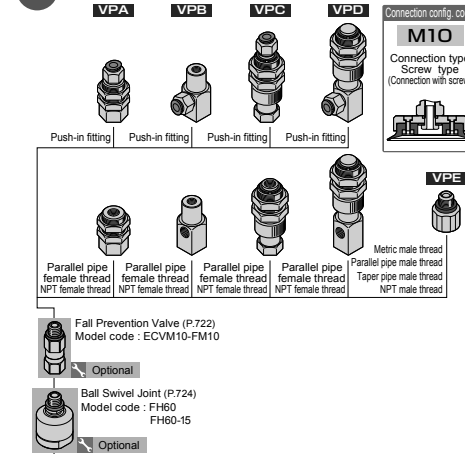


Vacuum Pad Configuration

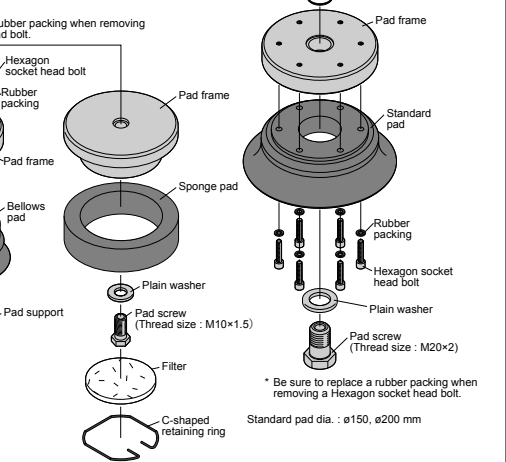
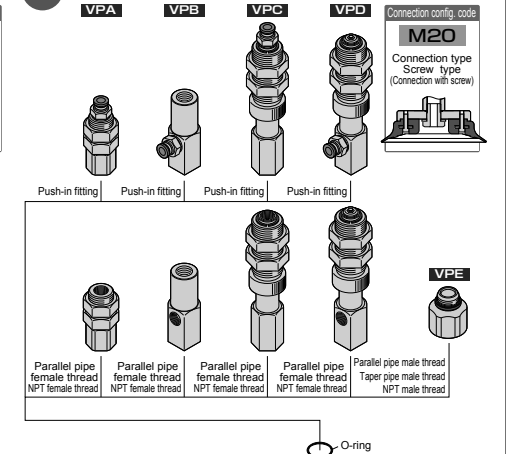
Pad dia. : $\varnothing 10, \varnothing 15, \varnothing 20, \varnothing 25, \varnothing 30, \varnothing 35, \varnothing 40, \varnothing 50$ mm



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

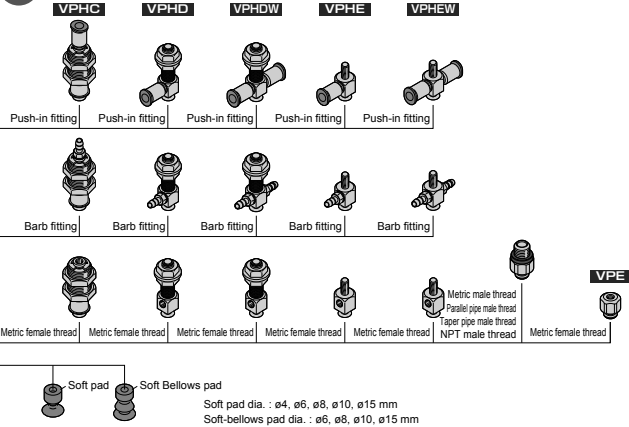


Pad dia. : $\varnothing 150, \varnothing 200$ mm



Vacuum Pad Configuration

Pad dia. : ø4, ø6, ø8, ø10, ø15 mm (Exclusive to Soft and Soft Bellows type)

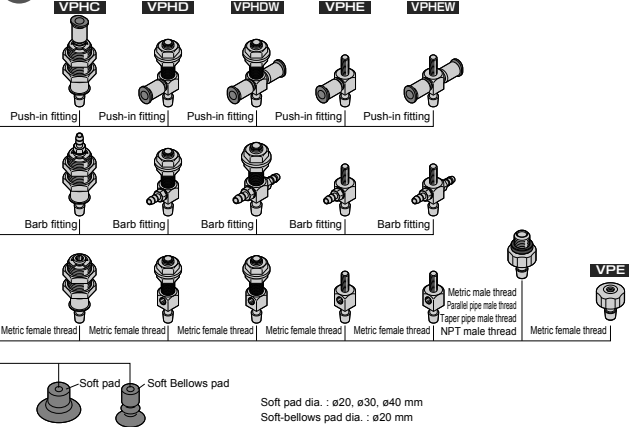


Connection config. code

T15

Connection type
Mount type
(Direct connection)

Pad dia. : ø20, ø30, ø40 mm (Exclusive to Soft and Soft Bellows type)

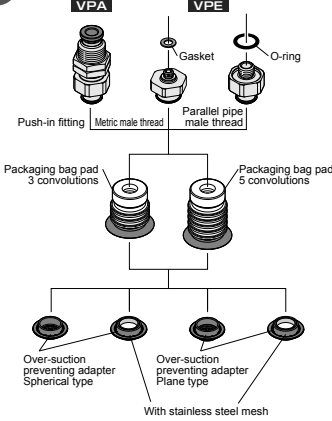


Connection config. code

T40

Connection type
Mount type
(Direct connection)

Pad dia. : ø20, ø25 mm (Exclusive to Vacuum pad for packaging bag)

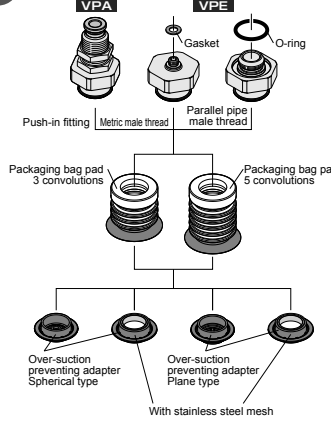


Connection config. code

PB8

Connection type
Mount type
(Direct connection)

Pad dia. : ø30, ø40, ø50 mm (Exclusive to Vacuum pad for packaging bag)

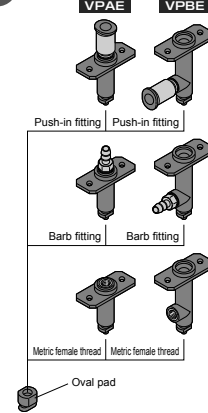


Connection config. code

PB15

Connection type
Mount type
(Direct connection)

Pad size : 2×4, 3.5×7, 4 to 6×10 mm (Exclusive to Oval type)

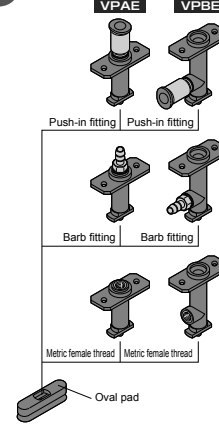


Connection config. code

E10

Connection type
Mount type
(Direct connection)

Pad size : 4 to 8×20 mm, 4 to 8×30 mm (Exclusive to Oval type)



Connection config. code

E20

Connection type
Mount type
(Direct connection)