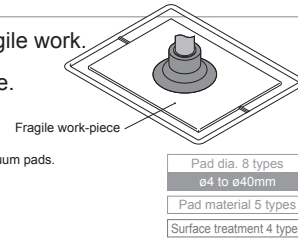


Characteristics

Best suitable for taking out molded parts or conveyance of fragile work.

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. 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

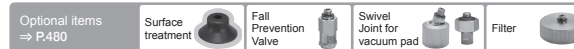
Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	13 -S3 spec.	Connection config. code		
Fixed type, Top port, Push-in fitting, Mini VPMA 	ø4	ø3	VPMA4L617-3J	—	M4	ø4	ø5/32	VPMA4L617-5/32J 13	○	M4		
		ø4	VPMA4L617-4J 13	○		ø6	ø5/32	VPMA6L617-5/32J 13	○			
	ø6	ø3	VPMA6L617-3J	—		ø8	ø5/32	VPMA8L617-5/32J 13	○		M6	
		ø4	VPMA6L617-4J 13	○		ø10	ø5/32	VPMA10L617-5/32J 13	○			
	ø8	ø3	VPMA8L617-3J	—		ø15	ø5/32	VPMA15L617-5/32J 13	○		M6	
		ø4	VPMA8L617-4J 13	○		ø20	ø5/32	VPMA20L617-5/32J 13	○			
	ø10	ø3	VPMA10L617-3J	—		ø30	ø5/32	VPMA30L617-5/32J 13	○	M6		
		ø4	VPMA10L617-4J 13	○		ø40	ø5/32	VPMA40L617-5/32J 13	○			
	ø15	ø3	VPMA15L617-3J	—		M6						
		ø4	VPMA15L617-4J 13	○								
	ø20	ø4	VPMA20L617-4J 13	○								
		ø30	ø4	VPMA30L617-4J 13		○						
ø40	ø4	VPMA40L617-4J 13	○									
	ø4	VPMA40L617-4J 13	○									
Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 -S3 spec.	Connection config. code		
Fixed type, Top port, Push-in fitting, Standard VPA 	ø4	ø6	VPA4L617-6J 13	○	M4	ø4	ø1/4	VPA4L617-1/4J	—	M4		
		ø6	VPA6L617-6J 13	○		ø6	ø1/4	VPA6L617-1/4J	—			
	ø6	ø6	VPA6L617-6J 13	○		ø8	ø1/4	VPA8L617-1/4J	—		M6	
		ø6	VPA10L617-6J 13	○		ø10	ø1/4	VPA10L617-1/4J	—			
	ø10	ø6	VPA10L617-6J 13	○		ø15	ø1/4	VPA15L617-1/4J	—		M6	
		ø6	VPA15L617-6J 13	○		ø18	ø1/4	VPA18L617-1/4J	—			
	ø20	ø3	VPA20L617-3J	—		M6	ø20	ø5/32	VPA20L617-5/32J 13	○		M6
		ø4	VPA20L617-4J 13	○			ø1/4	ø5/32	VPA20L617-1/4J	—		
	ø30	ø6	VPA20L617-6J 13	○		M6	ø30	ø1/8	VPA30L617-1/8J	—		M6
		ø3	VPA30L617-3J	—			ø1/4	ø5/32	VPA30L617-1/4J	—		
	ø40	ø4	VPA40L617-4J 13	○		M6	ø40	ø5/32	VPA40L617-5/32J 13	○	M6	
		ø6	VPA40L617-6J 13	○			ø1/4	ø5/32	VPA40L617-1/4J	—		
ø1/4	ø1/4	VPA40L617-1/4J	—	M6	ø1/8	VPA40L617-1/8J	—	M6				
	ø1/8	VPA40L617-1/8J	—		ø1/4	VPA40L617-1/4J	—					
Holder type	Pad dia. (mm)	Male thread size	Model code	13 -S3 -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (mm)	Model code	13 -S3 -S3 spec.	Connection config. code		
Fixed type, Top port, Female thread, Standard VPA 	ø20	M6×1	VPA20L617-M6 13	○	M6							
	ø30	M6×1	VPA30L617-M6 13	○								
	ø40	M6×1	VPA40L617-M6 13	○								

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

CAD CAD data is available at PISCO website.

Packaging Packaging specifications
 1 pc/1 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."



Vacuum Pad Soft 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  Pad dia. 	ø20	20	ø3	VPOC20-20L[6]7-3J	M6	ø20	20	ø1/8	VPOC20-20L[6]7-1/4J	M6
			ø4	VPOC20-20L[6]7-4J				ø5/32	VPOC20-20L[6]7-5/32J	
			ø6	VPOC20-20L[6]7-6J				ø1/4	VPOC20-20L[6]7-1/4J	
		30	ø3	VPOC20-30L[6]7-3J			30	ø1/8	VPOC20-30L[6]7-1/4J	
			ø4	VPOC20-30L[6]7-4J				ø5/32	VPOC20-30L[6]7-5/32J	
			ø6	VPOC20-30L[6]7-6J				ø1/4	VPOC20-30L[6]7-1/4J	
		40	ø3	VPOC20-40L[6]7-3J			40	ø1/8	VPOC20-40L[6]7-1/4J	
			ø4	VPOC20-40L[6]7-4J				ø5/32	VPOC20-40L[6]7-5/32J	
			ø6	VPOC20-40L[6]7-6J				ø1/4	VPOC20-40L[6]7-1/4J	
		50	ø3	VPOC20-50L[6]7-3J			50	ø1/8	VPOC20-50L[6]7-1/4J	
			ø4	VPOC20-50L[6]7-4J				ø5/32	VPOC20-50L[6]7-5/32J	
			ø6	VPOC20-50L[6]7-6J				ø1/4	VPOC20-50L[6]7-1/4J	
	ø30	20	ø3	VPOC30-20L[6]7-3J	M6	ø30	20	ø1/8	VPOC30-20L[6]7-1/4J	M6
			ø4	VPOC30-20L[6]7-4J				ø5/32	VPOC30-20L[6]7-5/32J	
			ø6	VPOC30-20L[6]7-6J				ø1/4	VPOC30-20L[6]7-1/4J	
		30	ø3	VPOC30-30L[6]7-3J			30	ø1/8	VPOC30-30L[6]7-1/4J	
			ø4	VPOC30-30L[6]7-4J				ø5/32	VPOC30-30L[6]7-5/32J	
			ø6	VPOC30-30L[6]7-6J				ø1/4	VPOC30-30L[6]7-1/4J	
		40	ø3	VPOC30-40L[6]7-3J			40	ø1/8	VPOC30-40L[6]7-1/4J	
			ø4	VPOC30-40L[6]7-4J				ø5/32	VPOC30-40L[6]7-5/32J	
			ø6	VPOC30-40L[6]7-6J				ø1/4	VPOC30-40L[6]7-1/4J	
		50	ø3	VPOC30-50L[6]7-3J			50	ø1/8	VPOC30-50L[6]7-1/4J	
			ø4	VPOC30-50L[6]7-4J				ø5/32	VPOC30-50L[6]7-5/32J	
			ø6	VPOC30-50L[6]7-6J				ø1/4	VPOC30-50L[6]7-1/4J	
	ø40	20	ø3	VPOC40-20L[6]7-3J	M6	ø40	20	ø1/8	VPOC40-20L[6]7-1/4J	M6
			ø4	VPOC40-20L[6]7-4J				ø5/32	VPOC40-20L[6]7-5/32J	
			ø6	VPOC40-20L[6]7-6J				ø1/4	VPOC40-20L[6]7-1/4J	
		30	ø3	VPOC40-30L[6]7-3J			30	ø1/8	VPOC40-30L[6]7-1/4J	
			ø4	VPOC40-30L[6]7-4J				ø5/32	VPOC40-30L[6]7-5/32J	
			ø6	VPOC40-30L[6]7-6J				ø1/4	VPOC40-30L[6]7-1/4J	
		40	ø3	VPOC40-40L[6]7-3J			40	ø1/8	VPOC40-40L[6]7-1/4J	
			ø4	VPOC40-40L[6]7-4J				ø5/32	VPOC40-40L[6]7-5/32J	
			ø6	VPOC40-40L[6]7-6J				ø1/4	VPOC40-40L[6]7-1/4J	
		50	ø3	VPOC40-50L[6]7-3J			50	ø1/8	VPOC40-50L[6]7-1/4J	
			ø4	VPOC40-50L[6]7-4J				ø5/32	VPOC40-50L[6]7-5/32J	
			ø6	VPOC40-50L[6]7-6J				ø1/4	VPOC40-50L[6]7-1/4J	

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

CAD
CAD data is available
at PISCO website.

Packaging
Packaging specifications
1 pc./bag

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

Optional items
⇒ P.480

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, No cover VPOC 	ø4	20	M6×1	VPOC4-20L[6]7-M6	M4
		30		VPOC4-30L[6]7-M6	
		40		VPOC4-40L[6]7-M6	
		50		VPOC4-50L[6]7-M6	
	ø6	20	M6×1	VPOC6-20L[6]7-M6	
		30		VPOC6-30L[6]7-M6	
		40		VPOC6-40L[6]7-M6	
		50		VPOC6-50L[6]7-M6	
	ø8	20	M6×1	VPOC8-20L[6]7-M6	
		30		VPOC8-30L[6]7-M6	
		40		VPOC8-40L[6]7-M6	
		50		VPOC8-50L[6]7-M6	
	ø10	20	M6×1	VPOC10-20L[6]7-M6	
		30		VPOC10-30L[6]7-M6	
		40		VPOC10-40L[6]7-M6	
		50		VPOC10-50L[6]7-M6	
	ø15	20	M6×1	VPOC15-20L[6]7-M6	
		30		VPOC15-30L[6]7-M6	
		40		VPOC15-40L[6]7-M6	
		50		VPOC15-50L[6]7-M6	
	ø20	20	M6×1	VPOC20-20L[6]7-M6	
		30		VPOC20-30L[6]7-M6	
		40		VPOC20-40L[6]7-M6	
		50		VPOC20-50L[6]7-M6	
	ø30	20	M6×1	VPOC30-20L[6]7-M6	M6
		30		VPOC30-30L[6]7-M6	
		40		VPOC30-40L[6]7-M6	
		50		VPOC30-50L[6]7-M6	
	ø40	20	M6×1	VPOC40-20L[6]7-M6	
		30		VPOC40-30L[6]7-M6	
		40		VPOC40-40L[6]7-M6	
		50		VPOC40-50L[6]7-M6	

CAD
CAD data is available
at PISCO website.

Packaging
Packaging specifications
1 pc./bag

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

Optional items
⇒ P.480

Surface treatment  Fall Prevention Valve  Swivel Joint for vacuum pad  Filter 

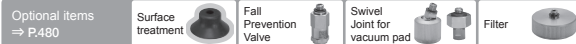
Vacuum Pad Soft Type

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 	ø4	2	M5×0.8	VPLFC4-2L[7]-M5	M4
		5	M5×0.8	VPLFC4-5L[7]-M5	
		10	M5×0.8	VPLFC4-10L[7]-M5	
		15	M5×0.8	VPLFC4-15L[7]-M5	
		20	M5×0.8	VPLFC4-20L[7]-M5	
	ø6	2	M5×0.8	VPLFC6-2L[7]-M5	
		5	M5×0.8	VPLFC6-5L[7]-M5	
		10	M5×0.8	VPLFC6-10L[7]-M5	
		15	M5×0.8	VPLFC6-15L[7]-M5	
		20	M5×0.8	VPLFC6-20L[7]-M5	
	ø8	2	M5×0.8	VPLFC8-2L[7]-M5	
		5	M5×0.8	VPLFC8-5L[7]-M5	
		10	M5×0.8	VPLFC8-10L[7]-M5	
		15	M5×0.8	VPLFC8-15L[7]-M5	
		20	M5×0.8	VPLFC8-20L[7]-M5	
	ø10	2	M5×0.8	VPLFC10-2L[7]-M5	
		5	M5×0.8	VPLFC10-5L[7]-M5	
		10	M5×0.8	VPLFC10-10L[7]-M5	
		15	M5×0.8	VPLFC10-15L[7]-M5	
		20	M5×0.8	VPLFC10-20L[7]-M5	
	ø15	2	M5×0.8	VPLFC15-2L[7]-M5	
		5	M5×0.8	VPLFC15-5L[7]-M5	
		10	M5×0.8	VPLFC15-10L[7]-M5	
		15	M5×0.8	VPLFC15-15L[7]-M5	
		20	M5×0.8	VPLFC15-20L[7]-M5	
	ø20	5	M6×1	VPLFC20-5L[7]-M6	
		10	M6×1	VPLFC20-10L[7]-M6	
		15	M6×1	VPLFC20-15L[7]-M6	
		20	M6×1	VPLFC20-20L[7]-M6	
	ø30	5	M6×1	VPLFC30-5L[7]-M6	
		10	M6×1	VPLFC30-10L[7]-M6	
		15	M6×1	VPLFC30-15L[7]-M6	
		20	M6×1	VPLFC30-20L[7]-M6	
	ø40	5	M6×1	VPLFC40-5L[7]-M6	
		10	M6×1	VPLFC40-10L[7]-M6	
		15	M6×1	VPLFC40-15L[7]-M6	
		20	M6×1	VPLFC40-20L[7]-M6	

 Packaging specifications
1 pc./bag

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



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

Holder type	Pad dia. (mm)	Tube O.D. (mm)	Model code	[9] -S3 spec.	Connection config. code	Pad dia. (mm)	Tube O.D. (inch)	Model code	[9] -S3 spec.	Connection config. code
Spring type, Side port, Push-in fitting, Mini VPMD 	ø4	ø3	VPMD4-4L[7]-3J	—	M4	ø4	ø1/8	VPMD4-4L[7]-1/8J	—	M4
		ø4	VPMD4-4L[7]-4J[9]	○			ø5/32	VPMD4-4L[7]-5/32J[9]	○	
		ø6	VPMD4-4L[7]-6J[9]	○			ø1/4	VPMD4-4L[7]-1/4J	—	
		ø3	VPMD6-4L[7]-3J	—			ø1/8	VPMD6-4L[7]-1/8J	—	
		ø4	VPMD6-4L[7]-4J[9]	○			ø5/32	VPMD6-4L[7]-5/32J[9]	○	
	ø6	ø4	VPMD6-4L[7]-4J[9]	○		ø6	ø1/4	VPMD6-4L[7]-1/4J	—	
		ø6	VPMD6-4L[7]-6J[9]	○			ø1/8	VPMD6-4L[7]-1/8J	—	
		ø3	VPMD8-4L[7]-3J	—			ø5/32	VPMD8-4L[7]-5/32J[9]	○	
		ø4	VPMD8-4L[7]-4J[9]	○			ø1/4	VPMD8-4L[7]-1/4J	—	
		ø6	VPMD8-4L[7]-6J[9]	○			ø1/8	VPMD8-4L[7]-1/8J	—	
	ø8	ø4	VPMD8-4L[7]-4J[9]	○		ø8	ø5/32	VPMD8-4L[7]-5/32J[9]	○	
		ø6	VPMD8-4L[7]-6J[9]	○			ø1/4	VPMD8-4L[7]-1/4J	—	
		ø3	VPMD10-4L[7]-3J	—			ø1/8	VPMD10-4L[7]-1/8J	—	
		ø4	VPMD10-4L[7]-4J[9]	○			ø5/32	VPMD10-4L[7]-5/32J[9]	○	
		ø6	VPMD10-4L[7]-6J[9]	○			ø1/4	VPMD10-4L[7]-1/4J	—	
	ø10	ø3	VPMD15-4L[7]-3J	—		ø10	ø1/8	VPMD15-4L[7]-1/8J	—	
		ø4	VPMD15-4L[7]-4J[9]	○			ø5/32	VPMD15-4L[7]-5/32J[9]	○	
		ø6	VPMD15-4L[7]-6J[9]	○			ø1/4	VPMD15-4L[7]-1/4J	—	
		ø3	VPMD20-4L[7]-3J	—		ø20	ø1/8	VPMD20-4L[7]-1/8J	—	
		ø4	VPMD20-4L[7]-4J[9]	○			ø5/32	VPMD20-4L[7]-5/32J[9]	○	
	ø15	ø6	VPMD20-4L[7]-6J[9]	○			ø1/4	VPMD20-4L[7]-1/4J	—	
		ø3	VPMD30-4L[7]-3J	—		ø30	ø1/8	VPMD30-4L[7]-1/8J	—	
		ø4	VPMD30-4L[7]-4J[9]	○			ø5/32	VPMD30-4L[7]-5/32J[9]	○	
		ø6	VPMD30-4L[7]-6J[9]	○			ø1/4	VPMD30-4L[7]-1/4J	—	
		ø3	VPMD40-4L[7]-3J	—		ø40	ø1/8	VPMD40-4L[7]-1/8J	—	
	ø20	ø4	VPMD40-4L[7]-4J[9]	○			ø5/32	VPMD40-4L[7]-5/32J[9]	○	
		ø6	VPMD40-4L[7]-6J[9]	○			ø1/4	VPMD40-4L[7]-1/4J	—	
	ø30	ø3	VPMD30-4L[7]-3J	—		ø30	ø1/8	VPMD30-4L[7]-1/8J	—	
		ø4	VPMD30-4L[7]-4J[9]	○			ø5/32	VPMD30-4L[7]-5/32J[9]	○	
		ø6	VPMD30-4L[7]-6J[9]	○			ø1/4	VPMD30-4L[7]-1/4J	—	
	ø40	ø3	VPMD40-4L[7]-3J	—		ø40	ø1/8	VPMD40-4L[7]-1/8J	—	
		ø4	VPMD40-4L[7]-4J[9]	○			ø5/32	VPMD40-4L[7]-5/32J[9]	○	
		ø6	VPMD40-4L[7]-6J[9]	○			ø1/4	VPMD40-4L[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 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]: -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 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  Pad dia.  to 	ø20	20	ø3	VPOD20-20L617-3J	M6	ø20	20	ø1/8	VPOD20-20L617-1/8J	M6
			ø4	VPOD20-20L617-4J				ø5/32	VPOD20-20L617-5/32J	
			ø6	VPOD20-20L617-6J				ø1/4	VPOD20-20L617-1/4J	
		30	ø3	VPOD20-30L617-3J			30	ø1/8	VPOD20-30L617-1/8J	
			ø4	VPOD20-30L617-4J				ø5/32	VPOD20-30L617-5/32J	
			ø6	VPOD20-30L617-6J				ø1/4	VPOD20-30L617-1/4J	
		40	ø3	VPOD20-40L617-3J			40	ø1/8	VPOD20-40L617-1/8J	
			ø4	VPOD20-40L617-4J				ø5/32	VPOD20-40L617-5/32J	
			ø6	VPOD20-40L617-6J				ø1/4	VPOD20-40L617-1/4J	
		50	ø3	VPOD20-50L617-3J			50	ø1/8	VPOD20-50L617-1/8J	
			ø4	VPOD20-50L617-4J				ø5/32	VPOD20-50L617-5/32J	
			ø6	VPOD20-50L617-6J				ø1/4	VPOD20-50L617-1/4J	
	ø30	20	ø3	VPOD30-20L617-3J	M6	ø30	20	ø1/8	VPOD30-20L617-1/8J	M6
			ø4	VPOD30-20L617-4J				ø5/32	VPOD30-20L617-5/32J	
			ø6	VPOD30-20L617-6J				ø1/4	VPOD30-20L617-1/4J	
		30	ø3	VPOD30-30L617-3J			30	ø1/8	VPOD30-30L617-1/8J	
			ø4	VPOD30-30L617-4J				ø5/32	VPOD30-30L617-5/32J	
			ø6	VPOD30-30L617-6J				ø1/4	VPOD30-30L617-1/4J	
		40	ø3	VPOD30-40L617-3J			40	ø1/8	VPOD30-40L617-1/8J	
			ø4	VPOD30-40L617-4J				ø5/32	VPOD30-40L617-5/32J	
			ø6	VPOD30-40L617-6J				ø1/4	VPOD30-40L617-1/4J	
		50	ø3	VPOD30-50L617-3J			50	ø1/8	VPOD30-50L617-1/8J	
			ø4	VPOD30-50L617-4J				ø5/32	VPOD30-50L617-5/32J	
			ø6	VPOD30-50L617-6J				ø1/4	VPOD30-50L617-1/4J	
	ø40	20	ø3	VPOD40-20L617-3J	M6	ø40	20	ø1/8	VPOD40-20L617-1/8J	M6
			ø4	VPOD40-20L617-4J				ø5/32	VPOD40-20L617-5/32J	
			ø6	VPOD40-20L617-6J				ø1/4	VPOD40-20L617-1/4J	
		30	ø3	VPOD40-30L617-3J			30	ø1/8	VPOD40-30L617-1/8J	
			ø4	VPOD40-30L617-4J				ø5/32	VPOD40-30L617-5/32J	
			ø6	VPOD40-30L617-6J				ø1/4	VPOD40-30L617-1/4J	
		40	ø3	VPOD40-40L617-3J			40	ø1/8	VPOD40-40L617-1/8J	
			ø4	VPOD40-40L617-4J				ø5/32	VPOD40-40L617-5/32J	
			ø6	VPOD40-40L617-6J				ø1/4	VPOD40-40L617-1/4J	
		50	ø3	VPOD40-50L617-3J			50	ø1/8	VPOD40-50L617-1/8J	
			ø4	VPOD40-50L617-4J				ø5/32	VPOD40-50L617-5/32J	
			ø6	VPOD40-50L617-6J				ø1/4	VPOD40-50L617-1/4J	

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

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)

Optional items
⇒ P.480

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, Side port, Female thread, No cover VPOD 	ø4	20	M6×1	VPOD4-20L617-M6	M4
		30		VPOD4-30L617-M6	
		40		VPOD4-40L617-M6	
		50		VPOD4-50L617-M6	
	ø6	20	M6×1	VPOD6-20L617-M6	
		30		VPOD6-30L617-M6	
		40		VPOD6-40L617-M6	
		50		VPOD6-50L617-M6	
	ø8	20	M6×1	VPOD8-20L617-M6	
		30		VPOD8-30L617-M6	
		40		VPOD8-40L617-M6	
		50		VPOD8-50L617-M6	
	ø10	20	M6×1	VPOD10-20L617-M6	
		30		VPOD10-30L617-M6	
		40		VPOD10-40L617-M6	
		50		VPOD10-50L617-M6	
	ø15	20	M6×1	VPOD15-20L617-M6	
		30		VPOD15-30L617-M6	
		40		VPOD15-40L617-M6	
		50		VPOD15-50L617-M6	
	ø20	20	M6×1	VPOD20-20L617-M6	
		30		VPOD20-30L617-M6	
		40		VPOD20-40L617-M6	
		50		VPOD20-50L617-M6	
	ø30	20	M6×1	VPOD30-20L617-M6	M6
		30		VPOD30-30L617-M6	
		40		VPOD30-40L617-M6	
		50		VPOD30-50L617-M6	
	ø40	20	M6×1	VPOD40-20L617-M6	
		30		VPOD40-30L617-M6	
		40		VPOD40-40L617-M6	
		50		VPOD40-50L617-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)

Optional items
⇒ P.480

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, Direct mount, Side port, Push-in fitting, Low profile VPHE 	ø4	ø3	VPHE4L617-3J	—	T15	ø4	ø1/8	VPHE4L617-1/8J	—	T15
		ø4	VPHE4L617-4J13	○			ø5/32	VPHE4L617-5/32J13	○	
		ø6	VPHE4L617-6J13	○			ø1/4	VPHE4L617-1/4J	—	
	ø6	ø3	VPHE6L617-3J	—			ø1/8	VPHE6L617-1/8J	—	
		ø4	VPHE6L617-4J13	○			ø5/32	VPHE6L617-5/32J13	○	
		ø6	VPHE6L617-6J13	○			ø1/4	VPHE6L617-1/4J	—	
	ø8	ø3	VPHE8L617-3J	—			ø1/8	VPHE8L617-1/8J	—	
		ø4	VPHE8L617-4J13	○			ø5/32	VPHE8L617-5/32J13	○	
		ø6	VPHE8L617-6J13	○			ø1/4	VPHE8L617-1/4J	—	
	ø10	ø3	VPHE10L617-3J	—			ø1/8	VPHE10L617-1/8J	—	
		ø4	VPHE10L617-4J13	○			ø5/32	VPHE10L617-5/32J13	○	
		ø6	VPHE10L617-6J13	○			ø1/4	VPHE10L617-1/4J	—	
	ø15	ø3	VPHE15L617-3J	—			ø1/8	VPHE15L617-1/8J	—	
		ø4	VPHE15L617-4J13	○			ø5/32	VPHE15L617-5/32J13	○	
		ø6	VPHE15L617-6J13	○			ø1/4	VPHE15L617-1/4J	—	
	ø20	ø3	VPHE20L617-3J	—			ø1/8	VPHE20L617-1/8J	—	
		ø4	VPHE20L617-4J13	○			ø5/32	VPHE20L617-5/32J13	○	
		ø6	VPHE20L617-6J13	○			ø1/4	VPHE20L617-1/4J	—	
	ø30	ø3	VPHE30L617-3J	—			ø1/8	VPHE30L617-1/8J	—	
		ø4	VPHE30L617-4J13	○			ø5/32	VPHE30L617-5/32J13	○	
		ø6	VPHE30L617-6J13	○			ø1/4	VPHE30L617-1/4J	—	
	ø40	ø3	VPHE40L617-3J	—			ø1/8	VPHE40L617-1/8J	—	
		ø4	VPHE40L617-4J13	○			ø5/32	VPHE40L617-5/32J13	○	
		ø6	VPHE40L617-6J13	○			ø1/4	VPHE40L617-1/4J	—	

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 	ø4	M5×0.8	VPHE4L617-M513	○	T15
	ø6	M5×0.8	VPHE6L617-M513	○	
	ø8	M5×0.8	VPHE8L617-M513	○	
	ø10	M5×0.8	VPHE10L617-M513	○	
	ø15	M5×0.8	VPHE15L617-M513	○	
	ø20	M5×0.8	VPHE20L617-M513	○	T40
	ø30	M5×0.8	VPHE30L617-M513	○	
	ø40	M5×0.8	VPHE40L617-M513	○	

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."

Optional items
⇒ P.480

Surface
treatment

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, Dual side port, Push-in fitting, Low profile VPHEW 	ø4	ø3	VPHEW4L617-3J	—	T15	ø4	ø1/8	VPHEW4L617-1/8J	—	T15
		ø4	VPHEW4L617-4J13	○			ø5/32	VPHEW4L617-5/32J13	○	
		ø6	VPHEW4L617-6J13	○			ø1/4	VPHEW4L617-1/4J	—	
	ø6	ø3	VPHEW6L617-3J	—			ø1/8	VPHEW6L617-1/8J	—	
		ø4	VPHEW6L617-4J13	○			ø5/32	VPHEW6L617-5/32J13	○	
		ø6	VPHEW6L617-6J13	○			ø1/4	VPHEW6L617-1/4J	—	
	ø8	ø3	VPHEW8L617-3J	—			ø1/8	VPHEW8L617-1/8J	—	
		ø4	VPHEW8L617-4J13	○			ø5/32	VPHEW8L617-5/32J13	○	
		ø6	VPHEW8L617-6J13	○			ø1/4	VPHEW8L617-1/4J	—	
	ø10	ø3	VPHEW10L617-3J	—			ø1/8	VPHEW10L617-1/8J	—	
		ø4	VPHEW10L617-4J13	○			ø5/32	VPHEW10L617-5/32J13	○	
		ø6	VPHEW10L617-6J13	○			ø1/4	VPHEW10L617-1/4J	—	
	ø15	ø3	VPHEW15L617-3J	—			ø1/8	VPHEW15L617-1/8J	—	
		ø4	VPHEW15L617-4J13	○			ø5/32	VPHEW15L617-5/32J13	○	
		ø6	VPHEW15L617-6J13	○			ø1/4	VPHEW15L617-1/4J	—	
	ø20	ø3	VPHEW20L617-3J	—			ø1/8	VPHEW20L617-1/8J	—	
		ø4	VPHEW20L617-4J13	○			ø5/32	VPHEW20L617-5/32J13	○	
		ø6	VPHEW20L617-6J13	○			ø1/4	VPHEW20L617-1/4J	—	
	ø30	ø3	VPHEW30L617-3J	—			ø1/8	VPHEW30L617-1/8J	—	
		ø4	VPHEW30L617-4J13	○			ø5/32	VPHEW30L617-5/32J13	○	
		ø6	VPHEW30L617-6J13	○			ø1/4	VPHEW30L617-1/4J	—	
	ø40	ø3	VPHEW40L617-3J	—			ø1/8	VPHEW40L617-1/8J	—	
		ø4	VPHEW40L617-4J13	○			ø5/32	VPHEW40L617-5/32J13	○	
		ø6	VPHEW40L617-6J13	○			ø1/4	VPHEW40L617-1/4J	—	

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 	ø4	M5×0.8	VPHEW4L617-M513	○	T15
	ø6	M5×0.8	VPHEW6L617-M513	○	
	ø8	M5×0.8	VPHEW8L617-M513	○	
	ø10	M5×0.8	VPHEW10L617-M513	○	
	ø15	M5×0.8	VPHEW15L617-M513	○	
	ø20	M5×0.8	VPHEW20L617-M513	○	T40
	ø30	M5×0.8	VPHEW30L617-M513	○	
	ø40	M5×0.8	VPHEW40L617-M513	○	

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."

Optional items
⇒ P.480

Surface
treatment

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		
ø4	—	—	○	○	○	M4 T15
ø6	—	—	○	○	○	
ø8	—	—	○	○	○	
ø10	○	○	○	○	○	
ø15	○	○	○	○	○	M6 T40
ø20	○	○	○	○	○	
ø30	○	○	○	○	○	
ø40	○	○	○	○	○	
Material	S	S, SE	N, NE	S, SE		

Characteristics of surface treatment ▶ P.370

[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

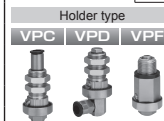
[11] Swivel Joint: -FH, -FHH, -CFH

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

[9] Dust Catcher: -DC

Optional	Connection config. code	-S3 spec.
Dust Catcher (-DC)	M4	○
	M6	○



Characteristics of Dust Catcher ▶ P.371

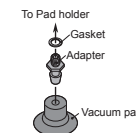
[12] Filter: -F15, -F30

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

Characteristics of Filter ▶ P.726

See the page 446 for the model designation including optional items.

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

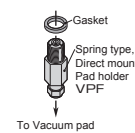


Adapter for soft pad Model code	[13] : -S3	Applicable pad dia. (mm)	Applicable pad holder
FVPL15-M4[13]	○	ø4 to ø15	Connection config. code M4
FVPL40-M6[13]	○	ø20 to ø40	Connection config. code M6

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

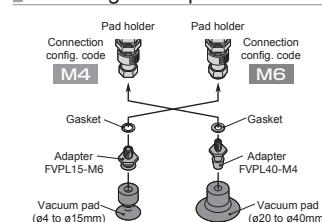
Gasket for adapter (*) Model code	Applicable adapter	Connection config. code
GAS-M4	FVPL15-M4, FVPL40-M4	M4
GAS-M6 (Fall prevention)	FVPL40-M6, FVPL15-M6	M6
-S3 spec.		
GAS-M5-SUS	FVPL15-M4-S3, FVPL40-M4-SUS	M4
GAS-M6-SUS	FVPL40-M6-S3, FVPL15-M6-SUS	M6

*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
VPPG10	All sizes	M4 M6

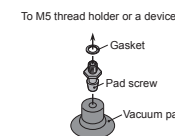
Rearrangement parts



Adapter for soft pad Model code	[13] : -S3	Applicable pad dia. (mm)	Applicable pad holder
FVPL15-M6[13]	○	ø4 to ø15	Connection config. code M6
FVPL40-M4[13]	○	ø20 to ø40	Connection config. code M4

These adapters can be used to mount soft pad: dia. 20 to 40 mm to pad holders with configuration code: M4, or soft pad: dia. 4 to 15 mm to pad holders with configuration code: M6.

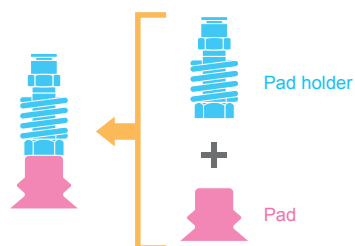
*Gasket for adapter is equipped with an Adapter. When the gasket alone is necessary, refer to "Model code of Gasket for adapter" above.



M5 thread adapter Model code	[13] : -S3	Applicable pad dia. (mm)
FVPL15-M5[13]	○	ø4 to ø15
FVPL40-M5[13]	○	ø20 to ø40

*Gasket for adapter is equipped with an Adapter.

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

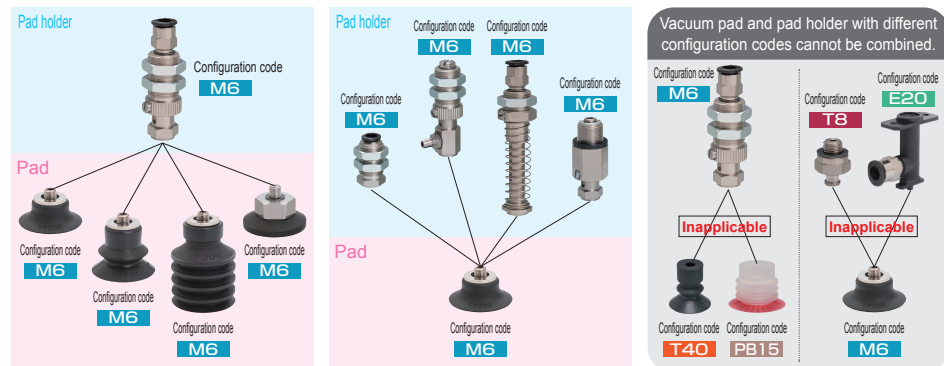


2. Vacuum pad and pad holder have a specific connection type depending on the size and shape.

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 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 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			—	—				
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	VPHC	Code	VPHD	Code	VPHDW
Type						
Configuration code	T15 T40 M4 M6	T15 T40 M4 M6	T15 T40 M4 M6			
Code	—	VPHE	VPHEW			
Type	—					
Configuration code	—	T15 T40 M4 M6	T15 T40 M4 M6			

Special holder *Pads of other shapes cannot be installed.

	Top port		Side port	
	Code	VPA	Code	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	E
0.7	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
1	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
1.5	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
2	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
3	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
6	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
8	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
10	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
15	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
20	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
25	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
30	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
35	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
40	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
50	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
60	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
70	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
80	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
100	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
150	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
200	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

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	Conductive silicone	Conductive silicone	Conductive 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	Small	Small	Small	Small	Small	Small	Small	Small	Small	Small	Small	Small	Small	Small
Soft	L	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Soft bellows	LB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Skidproof	K	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Bellows	B	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Multi-bellows	W	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
For packaging bag	PB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Metal Detectable	BE	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
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.)



(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.

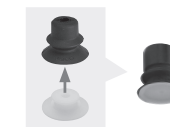
(6) Connection configuration code (Required for Pad & screw set only.) Please refer to the Pad size and type list on the 374 page.

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 ¹² to 10 ¹⁵ Ω·cm)
	—	—	—	—



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

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

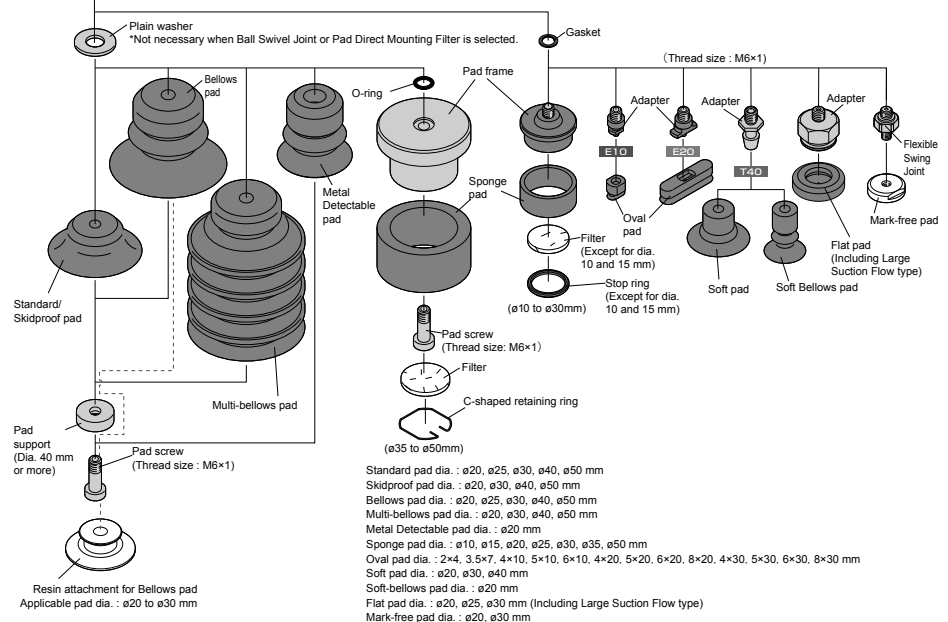
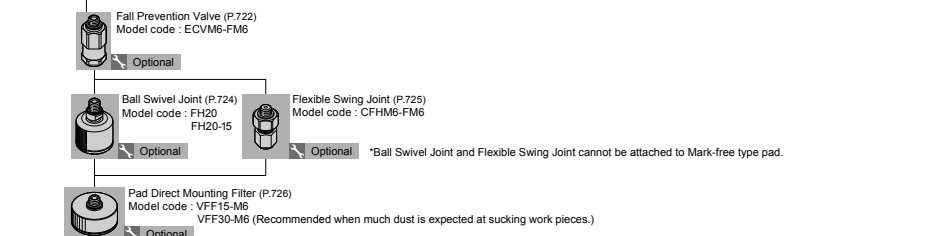
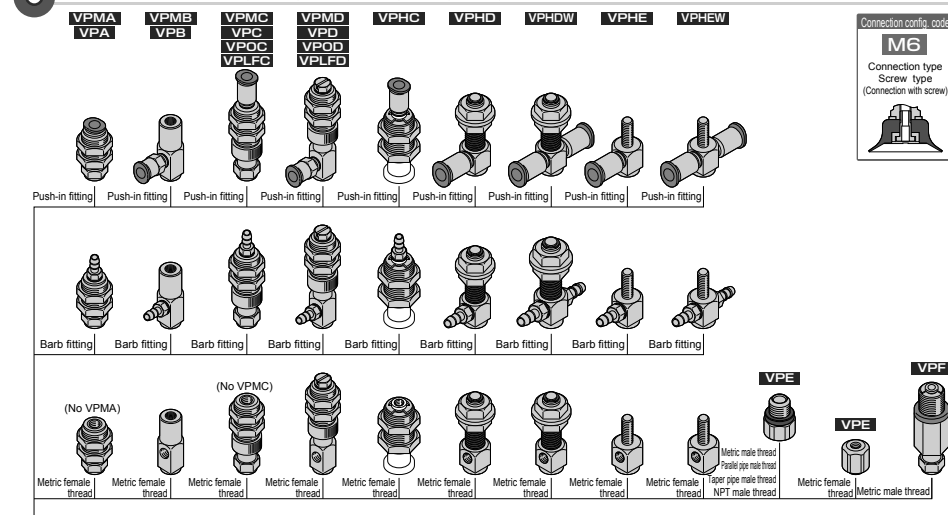
³⁾ Resin attachment cannot be installed when selecting Extra soft silicone for pad material.

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

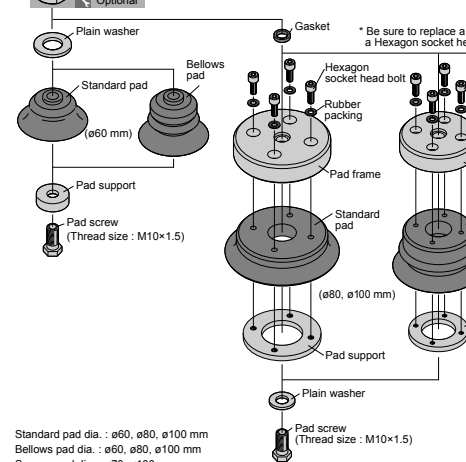
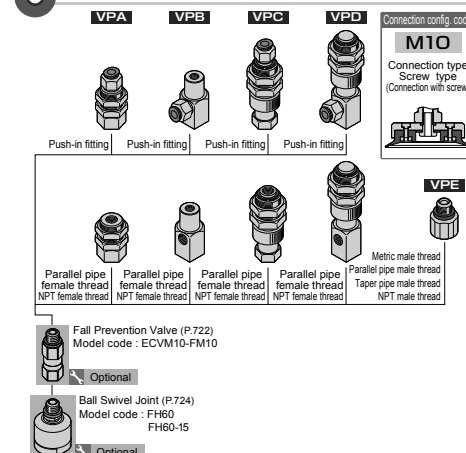
Code	No code	-S3
Metal material	Standard	No copper-based metallic materials used in flow paths

Vacuum Pad Configuration

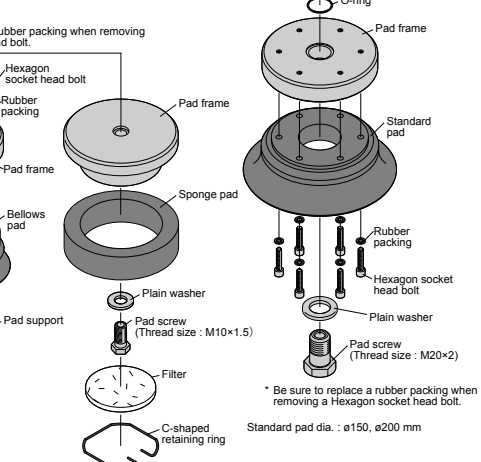
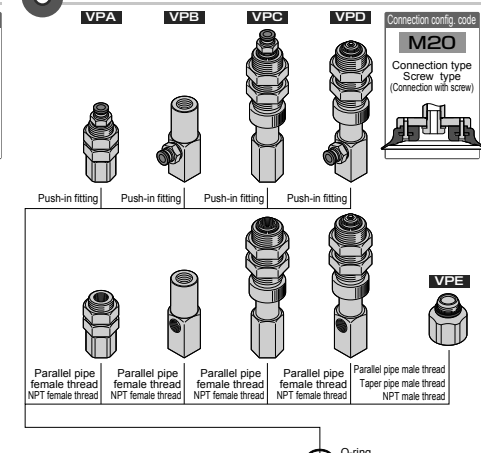
Pad dia. : $\varnothing 10$, $\varnothing 15$, $\varnothing 20$, $\varnothing 25$, $\varnothing 30$, $\varnothing 35$, $\varnothing 40$, $\varnothing 50$ mm



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)

VPHC

VPHD

VPHDW

VPHE

VPHEW

Push-in fitting

Push-in fitting

Push-in fitting

Push-in fitting

Push-in fitting

Barb fitting

Barb fitting

Barb fitting

Barb fitting

Barb fitting

Metric female thread

Metric female thread

Metric female thread

Metric female thread

Metric female thread

Metric male thread

Parallel pipe male thread

Taper pipe male thread

NPT male thread

Metric female thread

Soft pad

Soft Bellows pad

Soft pad dia. : ø4, ø6, ø8, ø10, ø15 mm

Soft-bellows pad dia. : ø6, ø8, ø10, ø15 mm

Connection config. code

T15

Connection type

Mount type

(Direct connection)

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

VPHC

VPHD

VPHDW

VPHE

VPHEW

Push-in fitting

Push-in fitting

Push-in fitting

Push-in fitting

Push-in fitting

Barb fitting

Barb fitting

Barb fitting

Barb fitting

Barb fitting

Metric female thread

Metric female thread

Metric female thread

Metric female thread

Metric female thread

Metric male thread

Parallel pipe male thread

Taper pipe male thread

NPT male thread

Metric female thread

Soft pad

Soft Bellows pad

Soft pad dia. : ø20, ø30, ø40 mm

Soft-bellows pad dia. : ø20 mm

Connection config. code

T40

Connection type

Mount type

(Direct connection)

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

VPA

VPE

Push-in fitting

Metric male thread

Parallel pipe male thread

Packaging bag pad 3 convolutions

Packaging bag pad 5 convolutions

Over-suction preventing adapter Spherical type

Over-suction preventing adapter Plane type

With stainless steel mesh

Connection config. code

PB8

Connection type

Mount type

(Direct connection)

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

VPA

VPE

Push-in fitting

Metric male thread

Parallel pipe male thread

Packaging bag pad 3 convolutions

Packaging bag pad 5 convolutions

Over-suction preventing adapter Spherical type

Over-suction preventing adapter Plane type

With stainless steel mesh

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)

VPAE

VPBE

Push-in fitting

Push-in fitting

Barb fitting

Barb fitting

Metric female thread

Metric female thread

Oval pad

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)

VPAE

VPBE

Push-in fitting

Push-in fitting

Barb fitting

Barb fitting

Metric female thread

Metric female thread

Oval pad

Connection config. code

E20

Connection type

Mount type

(Direct connection)