

From initial suction testing for workpiece transfer to mounting on material handling robots

Vacuum Pad Trial Kit

Step 1 Opening

Step 2 Assembling

Step 3 Suction testing

Step 4 Mounting on a robot

Reasonable

Lightweight

New Lineup

New Lineup

Aluminum frame in various lengths

Great customizability

Various pad types

Standard type

Economy type

Single type

Small dia. type

For packaging bags type



Characteristics

Vacuum pads and frames in the parts case can be easily assembled for suction testing.

Five types with distinct combinations of vacuum pads, aluminum frames, vacuum generators, and pneumatic fittings for suction testing are available for different usage.

Standard type	Economy type	Single type
Set of vacuum pads in various types/sizes and different frame lengths for various applications.	Simplified set of select vacuum pads.	Set ideal for picking with vacuum pads. (Includes pads for single item picking.)
 (2 parts cases per set)	 (1 parts case per set)	 (1 parts case per set)
Pad dia.: 10 - 50mm, Pads: 5 types, Pad material: Silicone rubber, Pad holders: 6 types, Aluminum frame length: 100 - 400mm	Pad dia.: 20 - 40mm, Pads: 5 types, Pad material: Silicone rubber, Pad holders: 2 types, Aluminum frame length: 100 - 300mm	Pad dia.: 6 - 30mm, Pads: 4 types, Pad material: Silicone rubber, Pad holders: 6 types, Aluminum frame length: 100 - 400mm
Small dia. type	For packaging bags type	
Set of various vacuum pads with small diameter of 2 - 15mm. Frame contents are the same as those of Economy type.	Set mainly for verifying the suction of bagged workpieces. Frame contents are the same as those of Economy type.	
 (1 parts case per set)	 (2 parts cases per set)	
Pad dia.: 2 - 15mm, Pads: 6 types, Pad material: Silicone rubber, Pad holders: 3 types, Aluminum frame length: 100 - 300mm	Pad dia.: 20 - 50mm, Pads: 1 type (for packaging bags), # of Bellows convolutions: 2 variations, pad material: Silicone rubber, Lip hardness: 2 types, Pad holders: 2 types, Aluminum frame length: 100 - 300mm	

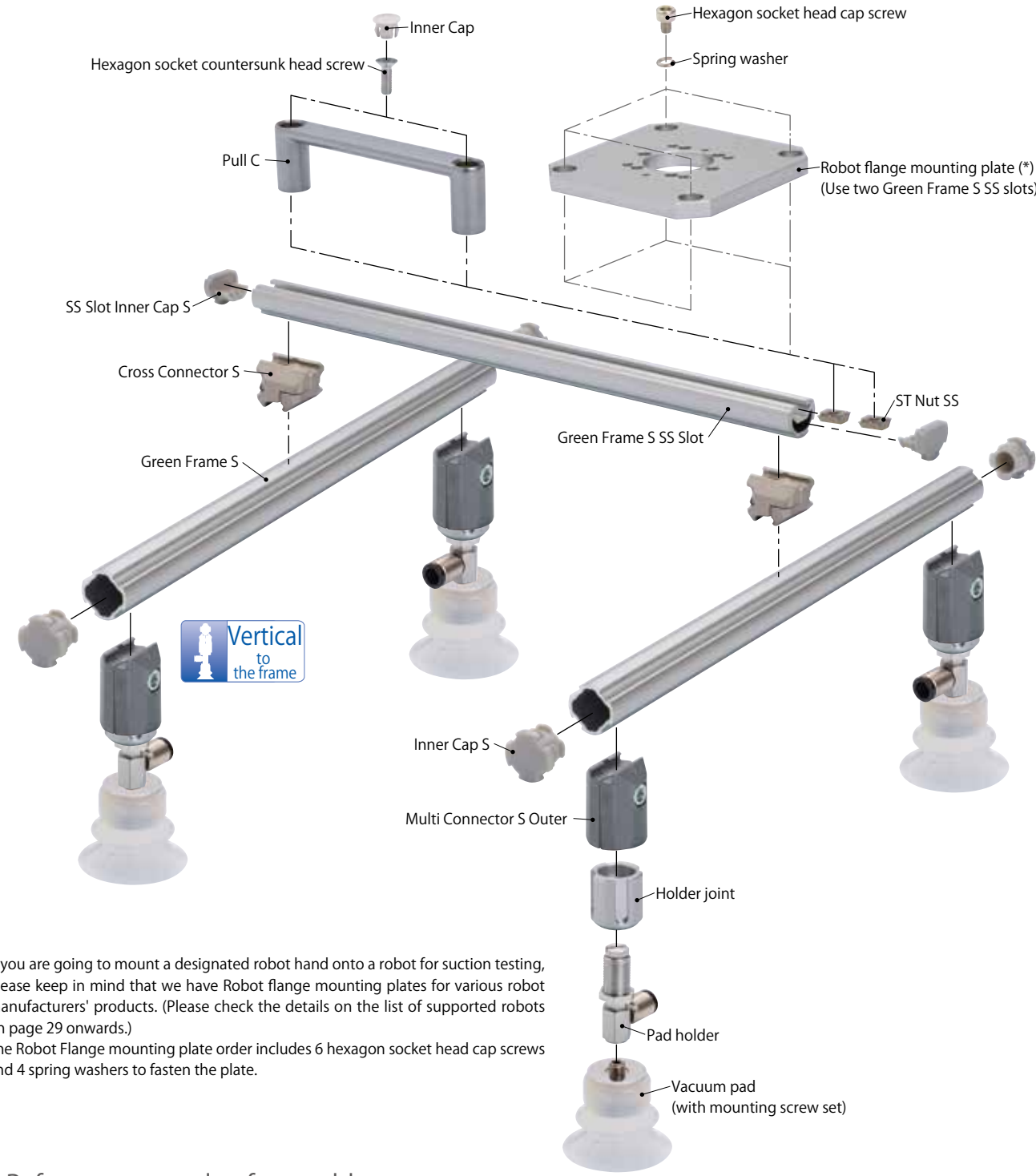
*SUS Corporation's Green Frame aluminum frames and parts are used.

Robot flange mounting plate for connecting the Trial kit to the robot is available (sold separately) for various robot manufacturers' products.

ISO compliant models and Blank mounting plate are also available.

Our vacuum pads and pad holders not included in the set can also be mounted.
24 types of holder joints that can connect Fixed or spring type pad holders with side port or dual side port and with pad diameter of 1 to 50mm are available (sold separately).

Part names (assembling components)

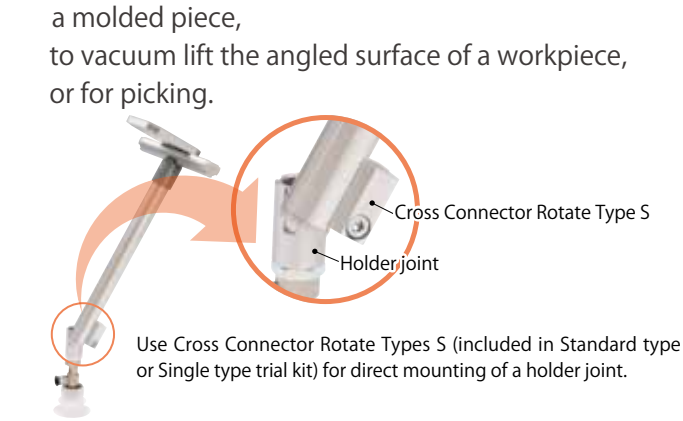


*If you are going to mount a designated robot hand onto a robot for suction testing, please keep in mind that we have Robot flange mounting plates for various robot manufacturers' products. (Please check the details on the list of supported robots on page 29 onwards.)
The Robot Flange mounting plate order includes 6 hexagon socket head cap screws and 4 spring washers to fasten the plate.

Reference example of assembly

- To keep the frame height low

Do not use Multi Connector S Outer. Directly install a holder joint using Cross Connector S.

- To vacuum lift a workpiece inside the tooling such as a molded piece, to vacuum lift the angled surface of a workpiece, or for picking.

Use Cross Connector Rotate Types S (included in Standard type or Single type trial kit) for direct mounting of a holder joint.

Details of vacuum pads in the set (For other items, please refer to the detailed storage information per type)

Vacuum pads stored				Connection config. code	Model code	Number of pieces in the set per type								
						Standard type	Economy type	Single type	NEW Small dia. type	NEW For packaging bags type				
Vacuum Pad (Material: Silicone)		ø2	Standard small	-T4	VP2RMS	—	—	—	6	—				
		ø4	Standard general		VP4RMS	—	—	—	6	—				
		ø6	Bellows	-T8	VP6RS	—	—	6	6	—				
			Multi-bellows		VP6BS	—	—	—	6	—				
			Standard general		VP6WS	—	—	—	6	—				
		ø8	Bellows	VP8RS	—	—	6	6	—					
			Bellows	VP8BS	—	—	—	6	—					
Multi-bellows	VP8WS		—	—	—	6	—							
Vacuum Pad (w/ mounting screw set) (Material: Silicone)	Pad size (mm)	Pad type	ø4	Soft	-M4	VP4LS-M4	—	—	—	6	—			
			Soft	VP6LS-M4		—	—	—	6	—				
			Soft bellows	VP6LBS-M4		—	—	—	6	—				
			ø6	Soft		VP8LS-M4	—	—	—	6	—			
			Soft bellows	VP8LBS-M4		—	—	—	6	—				
			ø8	Standard general		VP10RS-M4	6	—	6	6	—			
				Soft		VP10LS-M4	—	—	—	6	—			
				Soft bellows		VP10LBS-M4	6	—	—	6	—			
			ø10	Bellows		VP10BS-M4	6	—	—	6	—			
				Multi-bellows		VP10WS-M4	—	—	—	6	—			
				Standard general		VP15RS-M4	6	—	—	6	—			
			ø15	Soft		VP15LS-M4	—	—	—	6	—			
				Soft bellows		VP15LBS-M4	6	—	—	6	—			
				Bellows		VP15BS-M4	—	—	6	6	—			
			ø20	Standard general		VP20RS-M6	6	6	—	—	—			
				Soft bellows		VP20LBS-M6	6	6	6	—	—			
				Bellows		VP20BS-M6	6	6	—	—	—			
			ø30	Multi-bellows		VP20WS-M6	6	—	—	—	—			
				Standard general		VP30RS-M6	6	—	—	—	—			
				Standard deep		VP30AS-M6	—	6	6	—	—			
			ø40	Bellows		VP30BS-M6	6	—	—	—	—			
				Multi-bellows		VP30WS-M6	6	6	—	—	—			
				Standard general		VP40RS-M6	—	6	—	—	—			
			ø50	Standard deep		VP40AS-M6	6	—	—	—	—			
				Bellows		VP40BS-M6	6	6	—	—	—			
				Multi-bellows		VP40WS-M6	6	—	—	—	—			
			Vacuum Pad (Bellows convolutions: 3) (Material: Silicone)				For packaging bags	Standard general	VP50RS-M6	6	—	—	—	—
								Bellows	VP50BS-M6	6	—	—	—	—
								ø20	VP20PBS23	—	—	—	—	6
								ø30	VP30PBS43	—	—	—	—	6
			Vacuum Pad (Bellows convolutions: 5) (Material: Silicone)				For packaging bags	ø40	VP40PBS23	—	—	—	—	6
								ø50	VP50PBS43	—	—	—	—	6
ø20	VP20PBS45	—			—			—	—	6				
ø30	VP30PBS25	—			—			—	—	6				
Pad holder				ø40	VP40PBS45	—	—	—	—	6				
				ø50	VP50PBS25	—	—	—	—	6				
				Spring type, Side port Mini (Stroke: 2mm)	-T4	VPMD-T4-2-4J	—	—	—	6	—			
				Fixed type, Side port Standard		VPB-T8-6J	—	—	4	—	—			
				Spring type, Side port Mini (Stroke: 2mm)	-T8	VPMD-T8-2-4J	—	—	—	6	—			
				Spring type, Side port Standard (Stroke: 3mm)		VPD-T8-3-6J	—	—	4	—	—			
				Fixed type, Side port Mini		VPMB-M4-6J	6	—	4	—	—			
				Spring type, Side port Mini (Stroke: 4mm)	-M4	VPMD-M4-4-4J	—	—	—	6	—			
				Spring type, Side port Standard (Stroke: 6mm)		VPMD-M4-4-6J	6	—	4	—	—			
				Fixed type, Side port Mini		VPMB-M6-6J	6	6	4	—	—			
				Spring type, Side port Mini (Stroke: 4mm)	-M6	VPMD-M6-4-6J	6	6	4	—	—			
				Spring type, Side port Standard (Stroke: 10mm)		VPD-M6-10-6J	6	—	—	—	—			
Holder joint				Fixed type, Direct mount, For Parallel pipe thread type	-PB8	VPE-PB8-G1	—	—	—	6				
					-PB15	VPE-PB15-G3	—	—	—	6				
				Spring type, For Side port Mini pad holder (Stroke: 2mm)	-T4, -T8	VPGFS-MD-T4T8-2	—	—	—	12	—			
				Fixed type, For Side port Standard pad holder	-T8	VPGFS-B-T8	—	—	4	—	—			
				Spring type, For Side port Standard pad holder (Stroke: 3mm)	-H3, -T8	VPGFS-D-H3T8-3	—	—	4	—	—			
				Fixed type, For Side port Mini pad holder		VPGFS-MB-M4M6	12	6	8	—	—			
				Spring type, For Side port Mini pad holder (Stroke: 4mm)	-M4, -M6	VPGFS-MD-M4M6-4	12	6	8	6	—			
				Spring type, For Side port Standard pad holder (Stroke: 6mm)		VPGFS-D-M4M6-6	6	—	—	—	—			
Oversuction Preventing Adapter	Plane type	Pad size (mm)		Spring type, For Side port Standard pad holder (Stroke: 10mm)		VPGFS-D-M4M6-10	6	—	—	—				
				Fixed type, Direct mount, For Parallel pipe thread type pad holder	-E, -G1	VPGFS-E-G1-8J	—	—	—	—	6			
					-E, -G3	VPGFS-E-G3-8J	—	—	—	—	6			
				ø20	VP20PB-FF	—	—	—	—	12				
				ø30	VP30PB-FF	—	—	—	—	12				
				ø40	VP40PB-FF	—	—	—	—	12				
				ø50	VP50PB-FF	—	—	—	—	12				
				Spherical type	ø20	VP20PB-FS	—	—	—	—	12			
ø30	VP30PB-FS	—	—		—	—	12							
ø40	VP40PB-FS	—	—		—	—	12							
ø50	VP50PB-FS	—	—		—	—	12							
Pad remover		Tool to uninstall vacuum pads for packaging bags			VPOJ-PB0815	—	—	—	—	1				

Model designation of Vacuum Pad Trial Kit (Example)

VPGFSKIT

-STA
①

①.Type

Vacuum Pad Trial Kit

Code Type	-STA Standard	-ECO Economy	-SIN Single
	2 parts cases per set	1 parts case per set	1 parts case per set
Code Type	-MIN Small dia.	-PB For packaging bags	
	1 parts case per set	2 parts cases per set	

*For set contents of each type, please refer to the detailed storage information per type on page 8 onwards.

Model designation (Example) of Robot Flange Mounting Plate (Sold separately)

VPGFSB

-A01
①

①.Type

Robot Flange Mounting Plate

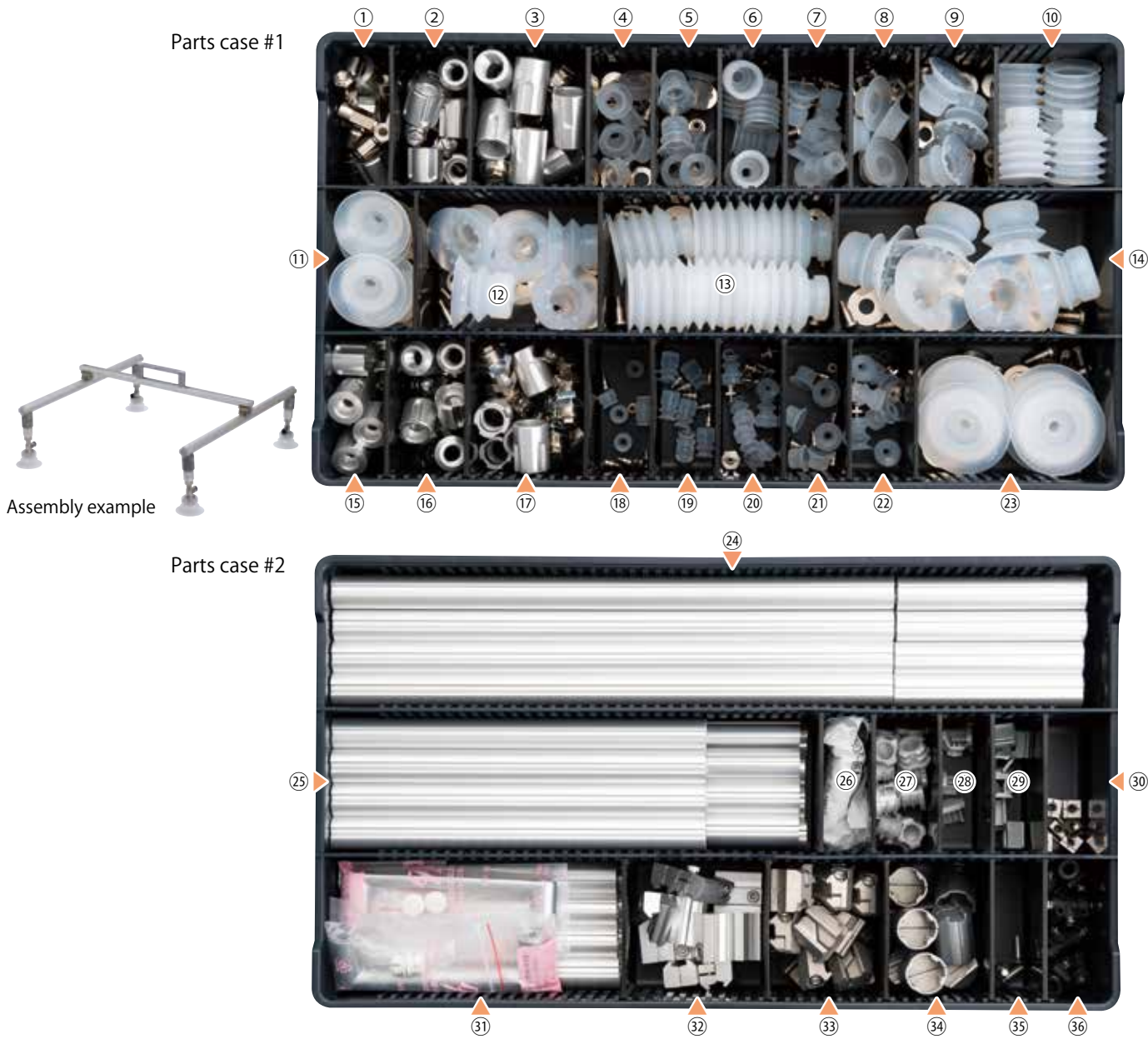
Code	-A01~ -A29	-B01~ -B08
Type	With mounting pitch	Blank (no mounting pitch)

*For the details of those types, please refer to the list of supported robots on page 29 onwards.

Robot Flange Mounting Plate

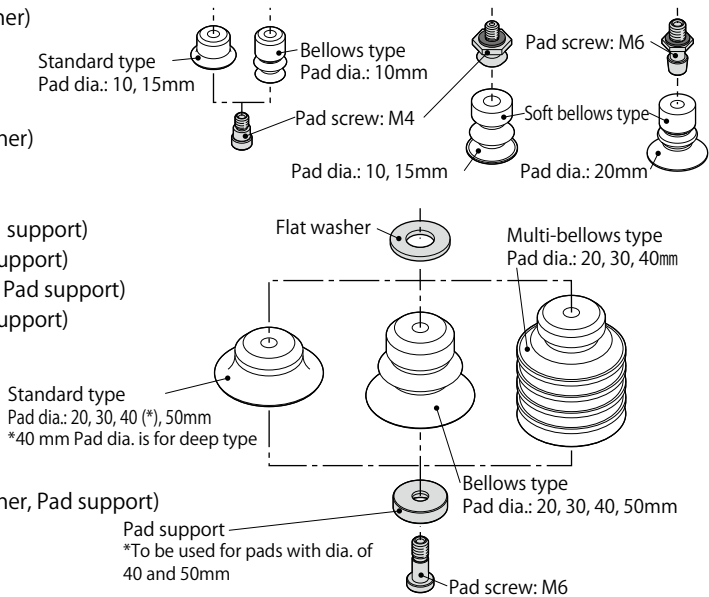
Example of installing on an industrial robot

Detailed storage information for standard type (model code: VPGFSKIT-STA)



Vacuum Pads stored in the cases

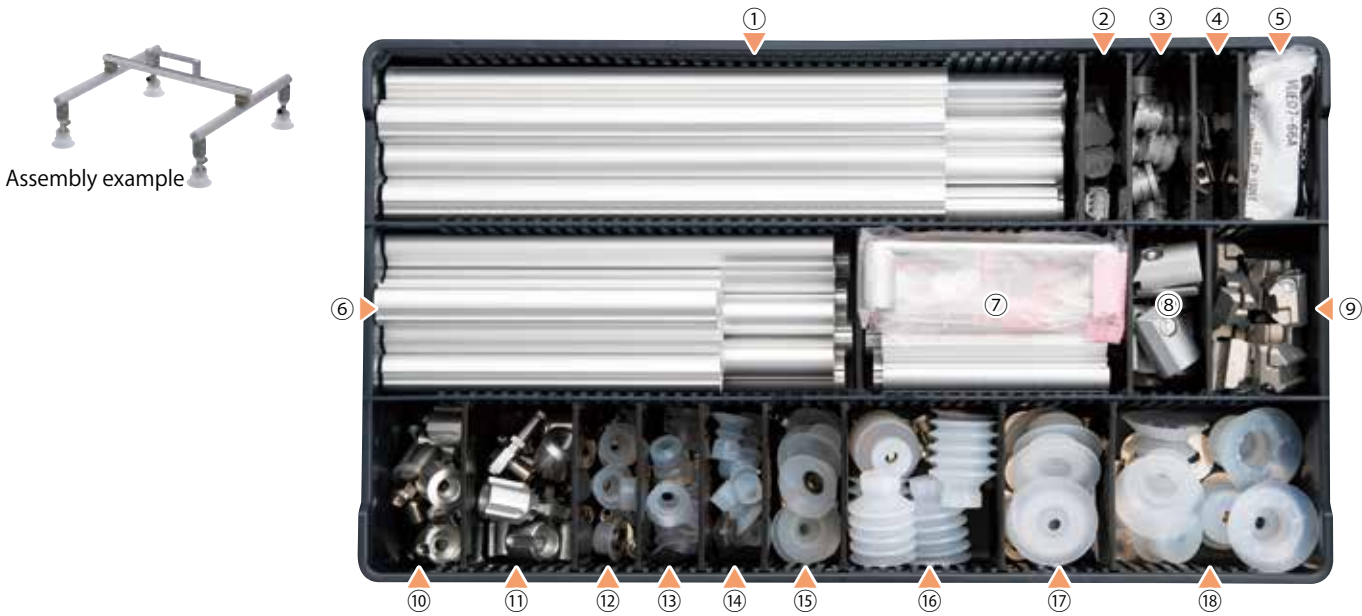
- ④ : Standard general type (pad dia.: 20mm, pad screw: M6, Flat washer)
⑤ : Bellows type (Pad dia.: 20mm, Pad screw: M6, Flat washer)
⑥ : Multi-bellows type (Pad dia.: 20mm, Pad screw: M6, Flat washer)
⑦ : Soft bellows type (Pad dia.: 20mm, Pad screw: M6)
⑧ : Standard general type (Pad dia.: 30mm, Pad screw: M6, Flat washer)
⑨ : Bellows type (Pad dia.: 30mm, Pad screw: M6, Flat washer)
⑩ : Multi-bellows type (Pad dia.: 30mm, Pad screw: M6, Flat washer)
⑪ : Standard deep (Pad dia.: 40mm, Pad screw: M6, Flat washer, Pad support)
⑫ : Bellows type (Pad dia.: 40mm, Pad screw: M6, Flat washer, Pad support)
⑬ : Multi-bellows type (Pad dia.: 40mm, Pad screw: M6, Flat washer, Pad support)
⑭ : Bellows type (Pad dia.: 50mm, Pad screw: M6, Flat washer, Pad support)
⑮ : Standard general type (Pad dia.: 10mm, Pad screw: M4)
⑯ : Bellows type (Pad dia.: 10mm, Pad screw: M4)
⑰ : Soft bellows type (Pad dia.: 10mm, Pad screw: M4)
⑱ : Standard general type (Pad dia.: 15mm, Pad screw: M4)
⑲ : Soft bellows type (Pad dia.: 15mm, Pad screw: M4)
⑳ : Standard general type (Pad dia.: 50mm, Pad screw: M6, Flat washer, Pad support)



	Product name (size, material)	Model code	MANUF.	QTY	Compartment
Vacuum Pad (w/ mounting screw)	Standard general type (ø10mm, Silicone)	VP10RS-M4	PISCO	6	(18)
	Bellows type (ø10mm, Silicone)	VP10BS-M4	PISCO	6	(19)
	Soft bellows type (ø10mm, Silicone)	-M4 (*1) VP10LBS-M4	PISCO	6	(20)
	Standard general type (ø15mm, Silicone)	VP15RS-M4	PISCO	6	(21)
	Soft bellows type (ø15mm, Silicone)	VP15LBS-M4	PISCO	6	(22)
	Standard general type (ø20mm, Silicone)	VP20RS-M6	PISCO	6	(4)
	Bellows type (ø20mm, Silicone)	VP20BS-M6	PISCO	6	(5)
	Multi-bellows type (ø20mm, Silicone)	VP20WS-M6	PISCO	6	(6)
	Soft bellows type (ø20mm, Silicone)	VP20LBS-M6	PISCO	6	(7)
	Standard general type (ø30mm, Silicone)	VP30RS-M6	PISCO	6	(8)
	Bellows type (ø30mm, Silicone)	-M6 (*1) VP30BS-M6	PISCO	6	(9)
	Multi-bellows type (ø30mm, Silicone)	VP30WS-M6	PISCO	6	(10)
	Standard deep type (ø40mm, Silicone)	VP40AS-M6	PISCO	6	(11)
	Bellows type (ø40mm, Silicone)	VP40BS-M6	PISCO	6	(12)
	Multi-bellows (ø40mm, Silicone)	VP40WS-M6	PISCO	6	(13)
Pad holder	Bellows type (ø50mm, Silicone)	VP50BS-M6	PISCO	6	(14)
	Standard general type (ø50mm, Silicone)	VP50RS-M6	PISCO	6	(23)
	Fixed type, Side port Mini	VPMB-M4-6J	PISCO	6	(15)
	Spring type, Side port Mini	-M4 (*1) VPMD-M4-4-6J	PISCO	6	(16)
	Spring type, Side port Standard	VPD-M4-6-6J	PISCO	6	(17)
Holder joint	Fixed type, Side port Mini	VPMB-M6-6J	PISCO	6	(1)
	Spring type, Side port Mini	-M6 (*1) VPMD-M6-4-6J	PISCO	6	(2)
	Spring type, Side port Standard	VPD-M6-10-6J	PISCO	6	(3)
	For VPMB-M4-6J, For VPMB-M6-6J (*2)	VPGFS-MB-M4M6	PISCO	6 each	(1), (15)
	For VPMD-M4-4-6J, For VPMD-M6-4-6J (*2)	VPGFS-MD-M4M6-4	PISCO	6 each	(2), (16)
Green Frame S	For VPD-M4-6-6J	VPGFS-D-M4M6-6	PISCO	6	(17)
	For VPD-M6-10-6J	VPGFS-D-M4M6-10	PISCO	6	(3)
	Vacuum Generator pipe type [High vacuum type]	VUH07-66A	PISCO	1	(26)
	Vacuum Generator pipe type [High-vacuum at low air pressure supply type]	VUE07-66A	PISCO	1	(26)
	Push-in Fitting for air piping, Union Tee type	PE6M	PISCO	8	(36)
	Length: 400mm	GFF-400 ℓ=400	SUS	6	(24)
	Length: 300mm	GFF-400 ℓ=300	SUS	4	(24)
	Length: 250mm	GFF-400 ℓ=250	SUS	6	(25)
	Length: 200mm	GFF-400 ℓ=200	SUS	4	(25)
	Length: 150mm	GFF-400 ℓ=150	SUS	6	(31)
	Length: 100mm	GFF-400 ℓ=100	SUS	4	(24)
	SS Slot, Length: 400mm	GFF-401 ℓ=400	SUS	2	(24)
	SS Slot, Length: 250mm	GFF-401 ℓ=250	SUS	2	(25)
	SS Slot, Length: 150mm	GFF-401 ℓ=150	SUS	2	(31)
	Multi Connector S Outer	GFJ-018	SUS	8	(34)
	Cross Connector S	GFJ-B55	SUS	16	(33)
	Cross Connector Rotate Type S	GFJ-B77	SUS	6	(32)
	Inner Cap S	GFA-403	SUS	12	(27)
	SS Slot Inner Cap S	GFA-408	SUS	4	(28)
	Cable Lock S	GFE-013	SUS	8	(29)
	ST Nut SS M5	SFN-TX5	SUS	8	(30)
	Pull C	SFA-304	SUS	2	(31)
	Hexagon socket countersunk head screw	SFB-502	SUS	4	(35)

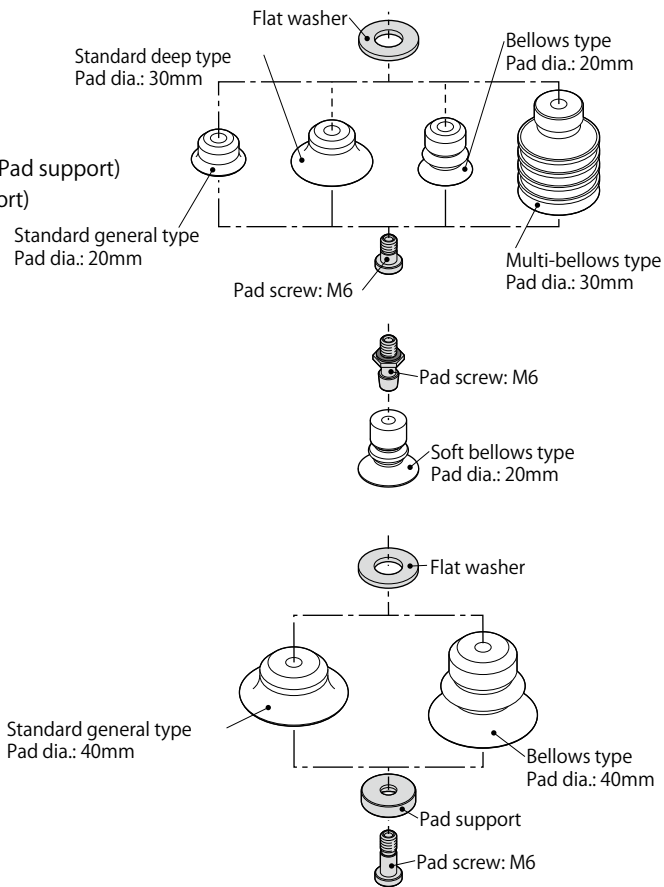
*1. Pad holder <-M4> is mountable on Vacuum pad (w/ mounting screw) <-M4>. Pad holder <-M6> is mountable on Vacuum pad (w/ mounting screw) <-M6>.
*2. Hexagon socket head cap screws and flat washers are included for mounting.

Detailed storage information for Economy type (Model code: VPGFSKIT-ECO)



Vacuum Pads stored in the case

- ⑫ : Standard general (Pad dia.:20mm, Pad screw: M6, Flat washer)
- ⑬ : Bellows type (Pad dia.: 20mm, Pad screw: M6, Flat washer)
- ⑭ : Soft bellows type (Pad dia.: 20mm, Pad screw: M6)
- ⑮ : Standard deep type (Pad dia.: 30mm, Pad screw: M6, Flat washer)
- ⑯ : Multi-bellows type (Pad dia.: 30mm, Pad screw: M6, Flat washer)
- ⑰ : Standard general type (Pad dia.: 40mm, Pad screw: M6, Flat washer, Pad support)
- ⑱ : Bellows type (Pad dia.: 40mm, Pad screw: M6, Flat washer, Pad support)



Product name (size, material)		Model code	MANUF.	QTY	Compartment
Vacuum Pad (w/ screw)	Standard general type (ø20mm, Silicone)	VP20RS-M6	PISCO	6	⑫
	Bellows type (ø20mm, Silicone)	VP20BS-M6	PISCO	6	⑬
	Soft bellows type (ø20mm, Silicone)	VP20LBS-M6	PISCO	6	⑭
	Standard deep type (ø30mm, Silicone)	-M6 (*1) VP30AS-M6	PISCO	6	⑮
	Multi-bellows type (ø30mm, Silicone)	VP30WS-M6	PISCO	6	⑯
	Standard general type (ø40mm, Silicone)	VP40RS-M6	PISCO	6	⑰
Pad holder	Bellows type (ø40mm, Silicone)	VP40BS-M6	PISCO	6	⑱
	Fixed type, Side port Mini	-M6 (*1) VPMB-M6-6J	PISCO	6	⑩
Joint	Spring type, Side port Mini	VPMD-M6-4-6J	PISCO	6	⑪
	For VPMB-M6-6J (*2)	VPGFS-MB-M4M6	PISCO	6	⑩
	For VPMD-M6-4-6J	VPGFS-MD-M4M6-4	PISCO	6	⑪
Vacuum Generator pipe type [High vacuum type]		VUH07-66A	PISCO	1	⑤
Vacuum Generator pipe type [High-vacuum at low air pressure supply type]		VUE07-66A	PISCO	1	⑤
Push-in fitting for air piping, Union Tee type		PE6M	PISCO	6	⑤
Green Frame S	Length: 300mm	GFF-400 ℓ=300	SUS	6	①
	Length: 250mm	GFF-400 ℓ=250	SUS	4	①
	Length: 200mm	GFF-400 ℓ=200	SUS	6	⑥
	Length: 150mm	GFF-400 ℓ=150	SUS	4	⑥
	Length: 100mm	GFF-400 ℓ=100	SUS	6	⑦
	SS Slot, Length: 300mm	GFF-401 ℓ=300	SUS	2	①
	SS Slot, Length: 200mm	GFF-401 ℓ=200	SUS	2	⑥
	SS Slot, Length: 100mm	GFF-401 ℓ=100	SUS	2	⑦
	Multi Connector S Outer	GFJ-018	SUS	6	⑧
Cross Connector S		GFJ-B55	SUS	12	⑨
Inner Cap S		GFA-403	SUS	8	③
SS Slot Inner Cap S		GFA-408	SUS	4	②
ST Nut SS M5		SFN-TX5	SUS	8	④
Pull C		SFA-304	SUS	2	⑦
Hexagon socket countersunk head screw		SFB-502	SUS	4	④

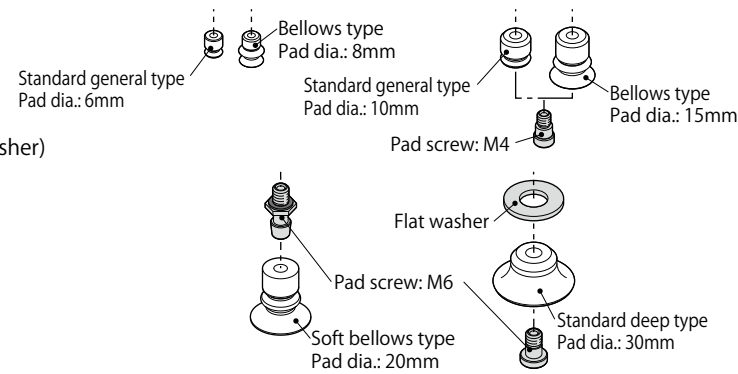
*1. Pad holder <-M6> is mountable on Vacuum pad (w/ mounting screw) <-M6>.
*2. Hexagon socket head cap screws and flat washers are included for mounting.

Detailed storage information for Single type (Model code: VPGFSKIT-SIN)



Vacuum Pads stored in the case

- ⑪ : Standard general type (Pad dia.: 6mm)
- ⑫ : Bellows type (Pad dia.: 8mm)
- ⑭ : Standard general type (Pad dia.: 10mm, Pad screw: M4)
- ⑮ : Bellows type (Pad dia.: 15mm, Pad screw: M4)
- ⑰ : Soft bellows type (Pad dia.: 20mm, Pad screw: M6)
- ⑱ : Standard deep type (Pad dia.: 30mm, Pad screw: M6, Flat washer)



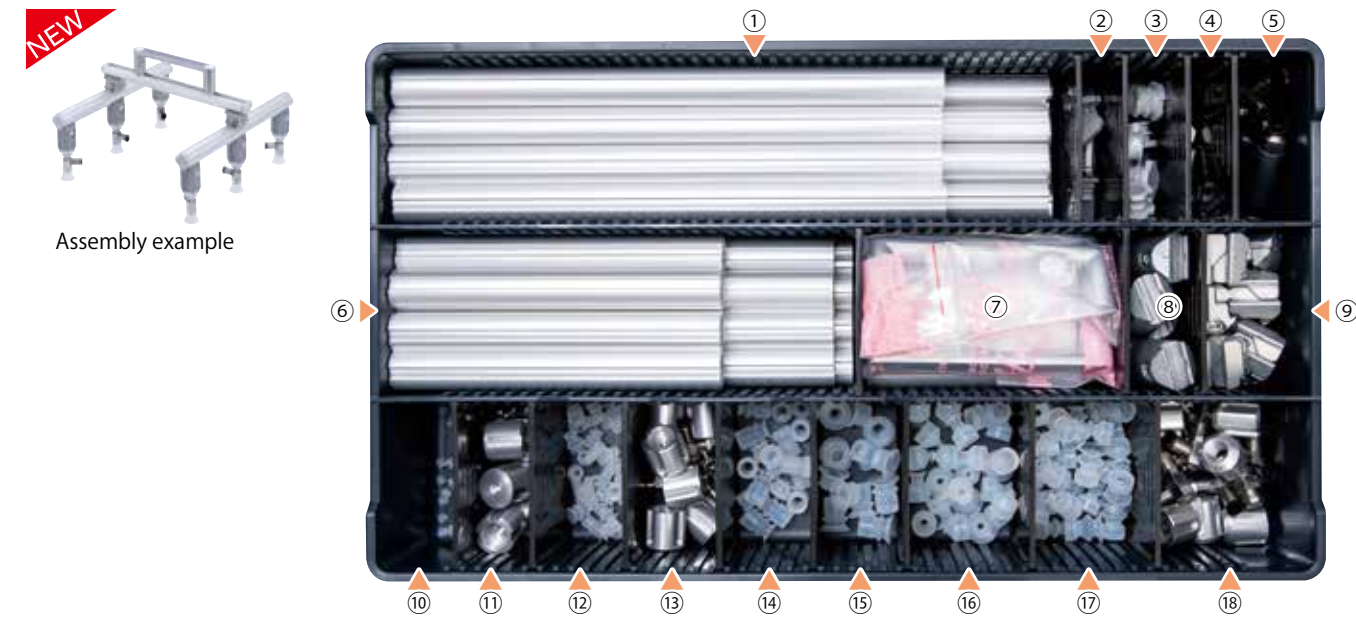
	Product names (size, material)		Model code	MANUF.	QTY	Compartment
Vacuum pad (w/ screw)	Standard general type (ø6mm, Silicone)	-T8 (*1)	VP6RS	PISCO	6	⑪
	Bellows type (ø8mm, Silicone)		VP8BS	PISCO	6	⑫
	Standard general type (ø10mm, Silicone)	-M4 (*2)	VP10RS-M4	PISCO	6	⑭
	Bellows type (ø15mm, Silicone)		VP15BS-M4	PISCO	6	⑮
Pad holder	Soft bellows type (ø20mm, Silicone)	-M6 (*2)	VP20BS-M6	PISCO	6	⑰
	Standard deep type (ø30mm, Silicone)		VP30AS-M6	PISCO	6	⑱
	Fixed type, Side port Standard	-T8 (*1)	VPB-T8-6J	PISCO	4	⑩
	Fixed type, Side port Mini	-M4 (*2)	VPMB-M4-6J	PISCO	4	⑬
Holder joint	Spring type, Side port Mini		VPMD-M4-4-6J	PISCO	4	⑬
	Spring type, Side port Standard	-T8 (*1)	VPD-T8-3-6J	PISCO	4	⑩
	Fixed type, Side port Mini	-M6 (*2)	VPMB-M6-6J	PISCO	4	⑯
	Spring type, Side port Mini		VPMD-M6-4-6J	PISCO	4	⑯
Green Frames S	For VPB-T8-6J (*3)		VPGFS-B-T8	PISCO	4	⑩
	For VPMB-M4-6J, For VPMB-M6-6J (*3)		VPGFS-MB-M4M6	PISCO	4 each	⑬, ⑯
	For VPD-T8-3-6J		VPGFS-D-H3T8-3	PISCO	4	⑩
	For VPMD-M4-4-6J, For VPMD-M6-4-6J		VPGFS-MD-M4M6-4	PISCO	4 each	⑬, ⑯
Multi Connector S Outer	Vacuum Generator pipe type [High vacuum type]		VUH07-66A	PISCO	1	⑥
	Vacuum Generator pipe type [High-vacuum at low air pressure supply type]		VUE07-66A	PISCO	1	⑥
	Push-in fitting for air piping, Union Tee type		PE6M	PISCO	4	⑥
	Length: 400mm		GFF-400 ℓ=400	SUS	2	①
Cross Connector S	Length: 350mm		GFF-400 ℓ=350	SUS	2	①
	Length: 300mm		GFF-400 ℓ=300	SUS	2	①
	Length: 250mm		GFF-400 ℓ=250	SUS	2	①
	Length: 200mm		GFF-400 ℓ=200	SUS	2	①
Cross Connector Rotate Type S	Length: 150mm		GFF-400 ℓ=150	SUS	6	②
	Length: 100mm		GFF-400 ℓ=100	SUS	6	①
	SS Slot, Length: 200mm		GFF-401 ℓ=200	SUS	2	①
	SS Slot, Length: 150mm		GFF-401 ℓ=150	SUS	2	②
Inner Cap S	SS Slot, Length: 100mm		GFF-401 ℓ=100	SUS	2	①
	Multi Connector S Outer		GFJ-018	SUS	4	⑤
	Cross Connector S		GFJ-B55	SUS	10	④
	Cross Connector Rotate Type S		GFJ-B77	SUS	4	③
SS Slot Inner Cap S	Inner Cap S		GFA-403	SUS	8	⑦
	SS Slot Inner Cap S		GFA-408	SUS	4	⑧
	ST Nut SS M5		SFN-TX5	SUS	8	⑨
	Pull C		SFA-304	SUS	2	②
Hexagon socket countersunk head screw	Hexagon socket countersunk head screw		SFB-502	SUS	4	⑨

*1. Pad holder <-T8> is mountable on Vacuum Pad (w/ mounting screw) VP6RS and VP8BS.

*2. Pad holder <-M4> is mountable on Vacuum pad (w/ mounting screw) <-M4>. Pad holder <-M6> is mountable on Vacuum pad (w/ mounting screw) <-M6>.

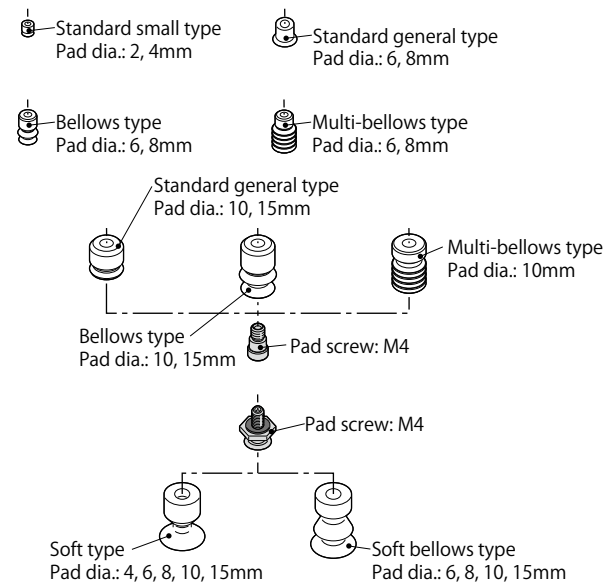
*3. Hexagon socket head cap screws and flat washers are included for mounting.

Detailed storage information for Small dia. type (model code: VPGFSKIT-MIN)



Vacuum Pads stored in the case

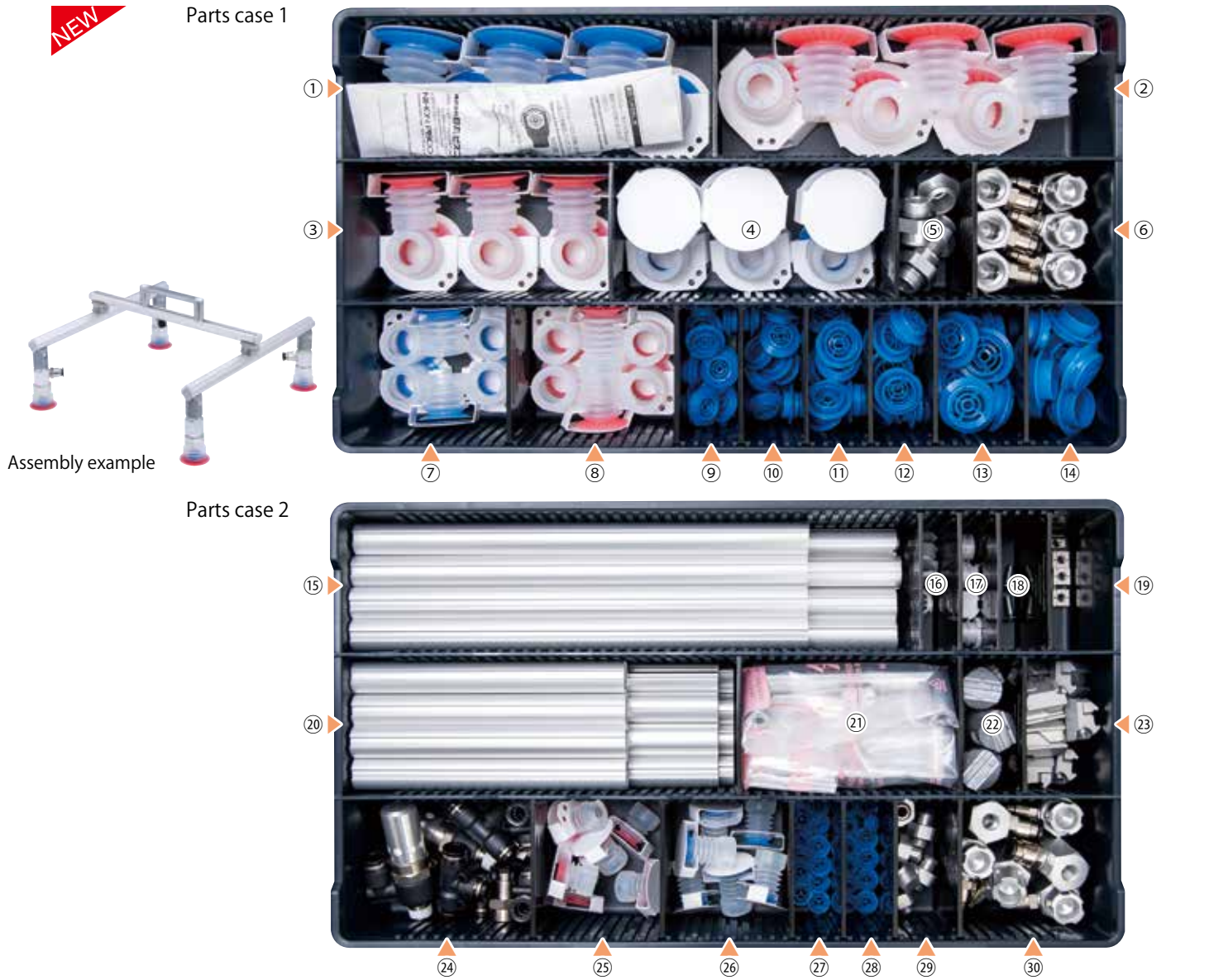
- ⑩ : Standard small type (Pad dia.: 2mm)
- ⑩ : Standard small type (Pad dia.: 4mm)
- ⑫ : Standard general type (Pad dia.: 6mm)
- ⑫ : Standard general type (Pad dia.: 8mm)
- ⑫ : Bellows type (Pad dia.: 6mm)
- ⑫ : Bellows type (Pad dia.: 8mm)
- ⑫ : Multi-bellows type (Pad dia.: 6mm)
- ⑫ : Multi-bellows type (Pad dia.: 8mm)
- ⑭ : Standard general type (Pad dia.: 10mm, Pad screw: M4)
- ⑭ : Bellows type (Pad dia.: 10mm, Pad screw: M4)
- ⑭ : Multi-bellows type (Pad dia.: 10mm, Pad screw: M4)
- ⑮ : Standard general type (Pad dia.: 15mm, Pad screw: M4)
- ⑮ : Bellows type (Pad dia.: 15mm, Pad screws: M4)
- ⑯ : Soft type (Pad dia.: 4mm, Pad screw: M4)
- ⑯ : Soft type (Pad dia.: 6mm, Pad screw: M4)
- ⑯ : Soft type (Pad dia.: 8mm, Pad screw: M4)
- ⑯ : Soft type (Pad dia.: 10mm, Pad screw: M4)
- ⑯ : Soft type (Pad dia.: 15mm, Pad screw: M4)
- ⑰ : Soft bellows type (Pad dia.: 6mm, Pad screw: M4)
- ⑰ : Soft bellows type (Pad dia.: 8mm, Pad screw: M4)
- ⑰ : Soft bellows type (Pad dia.: 10mm, Pad screw: M4)
- ⑰ : Soft bellows type (Pad dia.: 15mm, Pad screw: M4)



	Product name (size, material)		Model code	MANUF.	QTY	Compartment
Vacuum Pad	Standard small type (ø2mm, Silicone)	-T4 (*)	VP2RMS	PISCO	6	⑩
	Standard small type (ø4mm, Silicone)		VP4RMS	PISCO	6	⑩
	Soft type (ø4mm, Silicone)	-M4 (*)	VP4LS	PISCO	6	⑯
	Standard general type (ø6mm, Silicone)		VP6RS	PISCO	6	⑫
	Bellows type (ø6mm, Silicone)	-T8 (*)	VP6BS	PISCO	6	⑫
	Multi-bellows type (ø6mm, Silicone)		VP6WS	PISCO	6	⑫
	Soft type (ø6mm, Silicone)	-M4 (*)	VP6LS	PISCO	6	⑯
	Soft bellows type (ø6mm, Silicone)		VP6LBS	PISCO	6	⑰
	Standard general type (ø8mm, Silicone)		VP8RS	PISCO	6	⑫
	Bellows type (ø8mm, Silicone)	-T8 (*)	VP8BS	PISCO	6	⑫
	Multi-bellows type (ø8mm, Silicone)		VP8WS	PISCO	6	⑫
	Soft type (ø8mm, Silicone)		VP8LS	PISCO	6	⑯
	Soft bellows type (ø8mm, Silicone)		VP8LBS	PISCO	6	⑰
	Standard general type (ø10mm, Silicone)		VP10RS	PISCO	6	⑭
	Bellows type (ø10mm, Silicone)		VP10BS	PISCO	6	⑭
	Multi-bellows type (ø10mm, Silicone)		VP10WS	PISCO	6	⑭
	Soft type (ø10mm, Silicone)	-M4 (*)	VP10LS	PISCO	6	⑯
	Soft bellows type (ø10mm, Silicone)		VP10LBS	PISCO	6	⑰
	Standard general type (ø15mm, Silicone)		VP15RS	PISCO	6	⑮
	Bellows type (ø15mm, Silicone)		VP15BS	PISCO	6	⑮
	Soft type (ø15mm, Silicone)		VP15LS	PISCO	6	⑯
	Soft bellows type (ø15mm, Silicone)		VP15LBS	PISCO	6	⑰
Pad holder	Spring type, Side port Mini	-T4 (*)	VPMD-T4-2-4J	PISCO	6	⑪
	Spring type, Side port Mini	-T8 (*)	VPMD-T8-2-4J	PISCO	6	⑬
	Spring type, Side port Mini	-M4 (*)	VPMD-M4-4-4J	PISCO	6	⑱
Holder	For both VPMD-T4-2-4J and VPMD-T8-2-4J		VPGFS-MD-T4T8-2	PISCO	6 each	⑪, ⑬
	For VPMD-M4-4-4J		VPGFS-MD-M4M6-4	PISCO	6	⑱
	Pad screw		VPM46-6	PISCO	6	⑱
Screw	Screw adapter		FVPL15-M4	PISCO	6	⑱
	Vacuum Generator pipe type [High vacuum type]		VUH07-44A	PISCO	1	⑤
	Vacuum Generator pipe type [High-vacuum at low air pressure supply type]		VUE07-44A	PISCO	1	⑤
Green Frame S	Push-in fitting for air piping, Union Tee type		PE4M	PISCO	6	⑤
	Length: 300mm		GFF-400 ℓ=300	SUS	6	①
	Length: 250mm		GFF-400 ℓ=250	SUS	4	①
	Length: 200mm		GFF-400 ℓ=200	SUS	6	⑥
	Length: 150mm		GFF-400 ℓ=150	SUS	4	⑥
	Length: 100mm		GFF-400 ℓ=100	SUS	6	⑦
	SS Slot, Length: 300mm		GFF-401 ℓ=300	SUS	2	①
	SS Slot, Length: 200mm		GFF-401 ℓ=200	SUS	2	⑥
	SS Slot, Length: 100mm		GFF-401 ℓ=100	SUS	2	⑦
	Multi Connector S Outer		GFJ-018	SUS	6	⑧
	Cross Connector S		GFJ-B55	SUS	12	⑨
	Inner Cap S		GFA-403	SUS	8	③
	SS Slot Inner Cap S		GFA-408	SUS	4	②
Pull C	ST Nut SS M5		SFN-TX5	SUS	8	④
	Hexagon socket countersunk head screw		SFA-304	SUS	2	⑦
			SFB-502	SUS	4	④

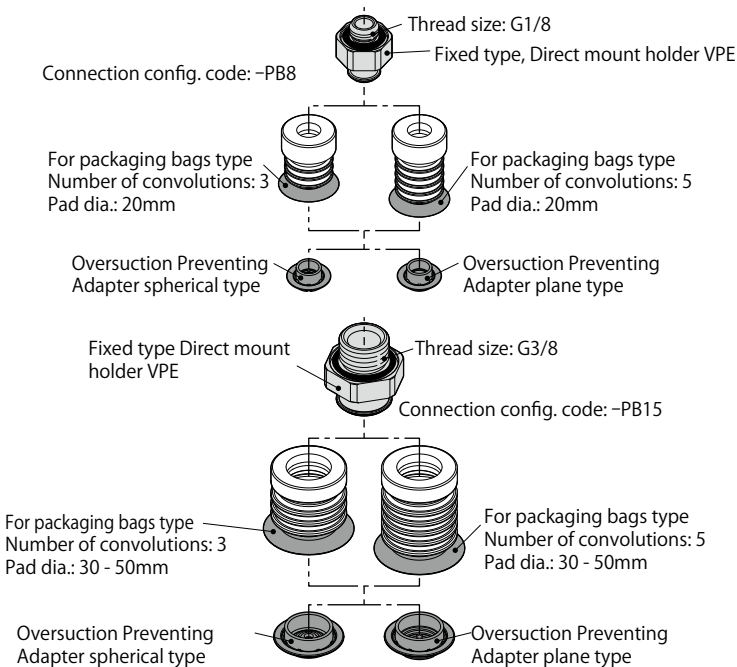
*Pad holder <-T4> is mountable on Vacuum Pad <-T4>. The same goes for Pad holder <-T8> and Vacuum pad <-T8>; Pad holder <-M4> and Vacuum Pad (with mounting screw) <-M4>; and Pad holder <-M6> and Vacuum Pad (with mounting screw) <-M6>.

Detailed storage information for packaging bag exclusive type (Model code: VPGFSKIT-PB)



Vacuum Pads stored in the cases

- ①:For packaging bags type (Pad dia.: 50mm, Lip hardness: 40°, Bellows convolutions: 3)
②:For packaging bags type (Pad dia.: 50mm, Lip hardness: 20°, Bellows convolutions: 5)
③:For packaging bags type (Pad dia.: 40mm, Lip hardness: 20°, Bellows convolutions: 3)
④:For packaging bags type (Pad dia.: 40mm, Lip hardness: 40°, Bellows convolutions: 5)
⑦:For packaging bags type (Pad dia.: 30mm, Lip hardness: 40°, Bellows convolutions: 3)
⑧:For packaging bags type (Pad dia.: 30mm, Lip hardness: 20°, Bellows convolutions: 5)
⑨ : Oversuction Preventing Adapter (Pad dia.: 30mm, spherical type)
⑩ : Oversuction Preventing Adapter (Pad dia.: 30mm, plane type)
⑪ : Oversuction Preventing Adapter (Pad dia.: 40mm, spherical type)
⑫ : Oversuction Preventing Adapter (Pad dia.: 40mm, plane type)
⑬ : Oversuction Preventing Adapter (Pad dia.: 50mm, spherical type)
⑭ : Oversuction Preventing Adapter (Pad dia.: 50mm, plane type)
⑮:For packaging bags type (Pad dia.: 20mm, Lip hardness: 20°, Bellows convolutions: 3)
⑯:For packaging bags type (Pad dia.: 20mm, Lip hardness: 40°, Bellows convolutions: 5)
⑲ : Oversuction Preventing Adapter (Pad dia.: 20mm, spherical type)
⑳ : Oversuction Preventing Adapter (Pad dia.: 20mm, plane type)



Product name (size, material)			Model code	MANUF.	QTY	Compartment
Vacuum pad	For packaging bags type (ø20mm, Silicone [Lip hardness: 20°, Bellows convolutions: 3])	-PB8 (*1)	VP20PBS23	PISCO	6	(25)
	For packaging bags type (ø20mm, Silicone [Lip hardness: 40°, Bellows convolutions: 5])		VP20PBS45	PISCO	6	(26)
	For packaging bags type (ø30mm, Silicone [Lip hardness: 40°, Bellows convolutions: 3])	-PB15 (*1)	VP30PBS43	PISCO	6	(7)
	For packaging bags type (ø30mm, Silicone [Lip hardness: 20°, Bellows convolutions: 5])		VP30PBS25	PISCO	6	(8)
	For packaging bags type (ø40mm, Silicone [Lip hardness: 20°, Bellows convolutions: 3])		VP40PBS23	PISCO	6	(3)
	For packaging bags type (ø40mm, Silicone [Lip hardness: 40°, Bellows convolutions: 5])		VP40PBS45	PISCO	6	(4)
	For packaging bags type (ø50mm, Silicone [Lip hardness: 40°, Bellows convolutions: 3])		VP50PBS43	PISCO	6	(1)
	For packaging bags type (ø50mm, Silicone [Lip hardness: 20°, Bellows convolutions: 5])		VP50PBS25	PISCO	6	(2)
Oversuction Preventing adapter	Oversuction Preventing Adapter (Pad dia.: ø20mm, spherical type)	-PB8 (*1)	VP20PB-FS	PISCO	12	(27)
	Oversuction Preventing Adapter (Pad dia.: ø20mm, plane type)		VP20PB-FF	PISCO	12	(28)
	Oversuction Preventing Adapter (Pad dia.: ø30mm, spherical type)	-PB15 (*1)	VP30PB-FS	PISCO	12	(9)
	Oversuction Preventing Adapter (Pad dia.: ø30mm, plane type)		VP30PB-FF	PISCO	12	(10)
	Oversuction Preventing Adapter (Pad dia.: ø40mm, spherical type)		VP40PB-FS	PISCO	12	(11)
	Oversuction Preventing Adapter (Pad dia.: ø40mm, plane type)		VP40PB-FF	PISCO	12	(12)
	Oversuction Preventing Adapter (Pad dia.: ø50mm, spherical type)		VP50PB-FS	PISCO	12	(13)
	Oversuction Preventing Adapter (Pad dia.: ø50mm, plane type)		VP50PB-FF	PISCO	12	(14)
Pad holder	For fixed type, direct mount type	-PB8 (*1)	VPE-PB8-G1	PISCO	6	(29)
	For fixed type, direct mount type	-PB15 (*1)	VPE-PB15-G3	PISCO	6	(5)
Holder joint	For VPE-PB8-G1, For VPE-PB15-G1		VPGFS-E-G1-8J	PISCO	6	(30)
	For VPE-PB15-G3		VPGFS-E-G3-8J	PISCO	6	(6)
Pad remover (tool to uninstall vacuum pads) (*2)			VPOJ-PB0815	PISCO	1	(1)
Vacuum Generator, Solenoid valve direct mount straight type [Large-flow type]			VSL15-802	PISCO	1	(24)
Vacuum Generator, Solenoid valve direct mount straight type [High-vacuum at low air pressure supply type]			VSE15-802	PISCO	1	(24)
Push-in fitting for air piping, female straight type			PCF8-02	PISCO	2	(24)
Push-in fitting for air piping, Union Tee type			PE8	PISCO	6	(24)
Green Frame S	Length: 300mm		GFF-400 ℓ=300	SUS	6	(15)
	Length: 250mm		GFF-400 ℓ=250	SUS	4	(15)
	Length: 200mm		GFF-400 ℓ=200	SUS	6	(20)
	Length: 150mm		GFF-400 ℓ=150	SUS	4	(20)
	Length: 100mm		GFF-400 ℓ=100	SUS	6	(21)
	SS Slot, Length: 300mm		GFF-401 ℓ=300	SUS	2	(15)
	SS Slot, Length: 200mm		GFF-401 ℓ=200	SUS	2	(20)
	SS Slot, Length: 100mm		GFF-401 ℓ=100	SUS	2	(21)
Multi Connector S Outer			GFJ-018	SUS	6	(22)
Cross Connector S			GFJ-B55	SUS	12	(23)
Inner Cap S			GFA-403	SUS	8	(17)
SS Slot Inner Cap S			GFA-408	SUS	4	(16)
ST Nut SS M5			SFN-TX5	SUS	8	(19)
Pull C			SFA-304	SUS	2	(21)
Hexagon socket countersunk head screw			SFB-502	SUS	4	(18)

*1 Pad holder <-PB8> is mountable on Vacuum Pad <-PB8>. Pad holder <-PB15> is mountable on Vacuum pad <-PB15>.
*2 Vacuum pads for packaging bags mount type can be easily removed with the pad remover.



Model designation (Example) of Holder joint (sold separately)

VPGFS

Holder joint

-MD

①

-M4M6

②

-4

③

④



Holder joint

Holder joints are also richly available that are mountable on the pad holders not included in the kit.

④. Joint type, port size (Fill-in is required only for packaging bags type [Pad holder type: -E])

Joint type	Push-in Fitting (mm)			Parallel pipe male thread
Code	-4J	-6J	-8J	-G1
Tube O.D.	4	6	8	
Thread size				G1/8

③. Stroke (Fill-in is required only for spring types except VPHD and VPHDW)

Code	-2	-3	-4	-6	-10	-15	-20	-30	-40	-50
Stroke (mm)	2	3	4	6	10	15	20	30	40	50
Holder type										
VPMD	○		○							
VPD		○		○	○	○	○			
VPOD							○	○	○	○

②. Connection configuration code

Code	-T4H3 (*)		-H3T8		-T4T8		-T8	-T8M4M6			-M4M6		-G1	-G2	-G3
Config. code	T4	H3	H3	T8	T4	T8	T8	T8	M4	M6	M4	M6	G1	G2	G3
Connection type															
Holder type															
VPMB	○						○				○				
VPB		○					○				○				
VPMD				○							○				
VPD					○						○				
VPOD								○							
VPE												○	○	○	

①. Pad holder type

Code	-MB	-B	-MD	-D	-OD	-HD	-E	-HE
Pad holder type	Fixed Side port Mini type	Fixed Side port Standard type	Spring Side port Mini type	Spring Side port Standard type	Spring Side port No cover type	Spring Side (dual side) port Exclusive type	Fixed Direct Mount For Parallel pipe thread type	Fixed Side (dual side) port Exclusive type
Holder code	VPMB	VPB	VPMD	VPD	VPOD	VPHD, VPHDW	VPE	VPHE, VPHEW
Remarks	Hexagon socket head cap screws and spring washers are included.		—	—	—	—	—	Hexagonal nuts are included.

* -T4H3 also corresponds to VPB's connection configuration code: -H3 (Model code is VPGFS-MB-T4H3).

Model designation (Example) of Pad holder w/ Holder joint (sold separately)

VP

Vacuum Pad

MD

①

-M6

②

-4

③

-6J

④

-VPGFS

With Holder joint



Pad holder with Holder joint

④. Joint type, port size

Joint type	Push-in fitting (Tube O.D. [mm])					Barb fitting (Tube O.D. [mm])			Metric female thread		
Code	-180J	-2J	-3J	-4J	-6J	-3B	-4B	-6B	-M3	-M5	-M6
Size	1.8	2	3	4	6	2	2.5	4	M3x0.5	M5x0.8	M6x1
Holder type											
VPMB	○	○	○	○	○	○	○	○	○	○	○
VPB	○	○	○	○	○	○	○	○	○	○	○
VPMD	○	○	○	○	○	○	○	○	○	○	○
VPD	○	○	○	○	○	○	○	○	○	○	○
VPOD											○
VPHD	○	○	○	○	○	○	○	○		○	
VPHDW	○	○	○	○	○	○	○	○		○	
VPHE	○	○	○	○	○	○	○	○		○	
VPHEW	○	○	○	○	○	○	○	○		○	

③. Stroke (Fill-in is required only for spring types)

Code	-2	-3	-4	-6	-5	-10	-15	-20	-30	-40	-50
Stroke (mm)	2	3	4	6	5	10	15	20	30	40	50
Holder type											
VPMD	○		○			○					
VPD		○		○			○	○			
VPOD								○	○	○	○
VPHD					○						
VPHDW					○						

②. Pad connection type

Code	-H3	-T4	-T8	-T15	-T40	-M4	-M6
Connection type	Insert	Mount				Screw	
SIZE	—	—	—	—	—	M4x0.7	M6x1
Holder type							
VPMB		○	○			○	○
VPB	○		○			○	○
VPMD		○	○			○	○
VPD	○		○			○	○
VPOD			○			○	○
VPHD			○	○	○	○	○
VPHDW			○	○	○	○	○
VPHE			○	○	○	○	○
VPHEW			○	○	○	○	○

①. Pad holder type (Please refer to ① on the model designation [example] of Holder joint [sold separately] on the previous page for the selection of types)

Model designation (Example) of Pad holder for packaging bags (sold separately)

VP

Vacuum Pad

E

①

-PB8

②

-G1

③



Pad holder

③. Joint type, port size

Joint type	Parallel pipe male thread		
Code	-G1	-G2	-G3
Thread size	G1/8	G1/4	G3/8
Config. code			
-PB8	○		
-PB15	○	○	○

②. Pad connection type

Code	-PB8	-PB15
Connection type	Mount	
Pad size (mm)	ø20, ø25	ø30, ø40, ø50

①. Pad holder type

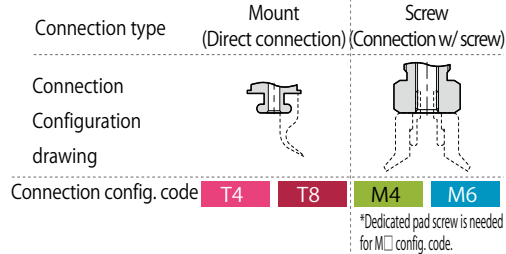
E : Fixed type Direct mount

Information on Holder joint, Pad holder with holder joint (Fixed type holder)

● Holder joint for VPMB

Holder joint Type	Model code	Config. code
	VPGFS-MB-T4H3	T4
	VPGFS-MB-T8	T8
	VPGFS-MB-M4M6	M4 M6

* Hexagon socket head cap screws and spring washers are included for mounting a holder.



● Fixed type/ Side port/ Mini holder (VPMB) + Holder joint for VPMB set

Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread				
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code		
	VPMB-T4-180J-VPGFS	T4		VPMB-T4-3B-VPGFS	T4		VPMB-T4-M3-VPGFS	T4		
	VPMB-T4-2J-VPGFS			VPMB-T4-4B-VPGFS			VPMB-T8-M3-VPGFS	T8		
	VPMB-T4-3J-VPGFS			VPMB-T4-6B-VPGFS			VPMB-M4-M5-VPGFS	M4		
	VPMB-T4-4J-VPGFS	T8		VPMB-T8-3B-VPGFS	T8		VPMB-M6-M5-VPGFS	M6		
	VPMB-T8-180J-VPGFS			VPMB-T8-4B-VPGFS						
	VPMB-T8-2J-VPGFS			VPMB-T8-6B-VPGFS						
	VPMB-T8-3J-VPGFS	M4		VPMB-M4-3B-VPGFS	M4					
	VPMB-T8-4J-VPGFS			VPMB-M4-4B-VPGFS						
	VPMB-M4-180J-VPGFS			VPMB-M4-6B-VPGFS						
	VPMB-M4-2J-VPGFS	M6		VPMB-M6-3B-VPGFS	M6					
	VPMB-M4-3J-VPGFS			VPMB-M6-4B-VPGFS						
	VPMB-M4-4J-VPGFS			VPMB-M6-6B-VPGFS						
	VPMB-M4-6J-VPGFS									
	VPMB-M6-180J-VPGFS									
	VPMB-M6-2J-VPGFS									
	VPMB-M6-3J-VPGFS									
	VPMB-M6-4J-VPGFS									
	VPMB-M6-6J-VPGFS									



Additional notes on the products

*The lines colored in indicate the pad holder & holder joint set included in the trial kit type.

Please refer to the table below as the pad holder & holder joint set included in the trial kit type.

Trial kit type	Pad holder + Holder joint set mo	
	VPMB-M4-6J-VPGFS	VPMB-M6-6J-VPGFS
(Pad holder model code + Holder joint model code)	(VPMB-M4-6J+VPGF-MB-M4M6)	(VPMB-M6-6J+VPGF-MB-M4M6)



Additional notes on the products

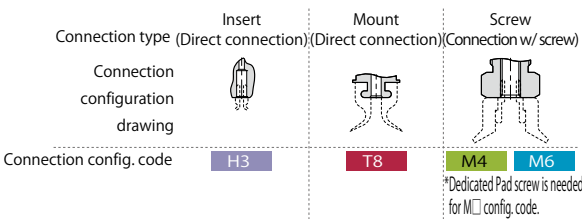
*The lines colored in indicate the pad holder & holder joint set included in the trial kit as default. Please refer to the table below as the pad holder & holder joint set included in the trial kit varies according to the trial kit type.

Trial kit type	Pad holder + Holder joint set model code		
	VPMB-M4-6J-VPGFS (Pad holder model code + Holder joint model code)	VPMB-M6-6J-VPGFS (VPMB-M6-6J+VPGF-MB-M4M6)	VPB-T8-6J-VPGFS (VPB-T8-6J+VPGF-B-T8)
Standard	○	○	—
Economy	—	○	—
Single	○	○	○
Small dia.	—	—	—
For packaging bags	—	—	—

● Holder joint for VPB

Holder joint type	Model code	Connection Config. code
	VPGFS-B-T4H3	H3
	VPGFS-B-T8	T8
	VPGFS-B-M4M6	M4 M6

*Hexagon socket head cap screws and spring washers are included to fasten a holder.



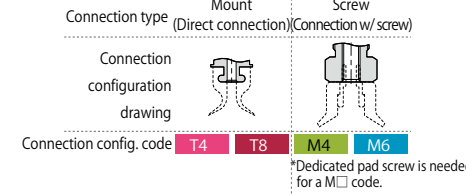
● Fixed type/ Side port/ Standard holder (VPB) + Holder joint for VPB set

Joint type: Push-in Fitting			Joint type: Barb fitting			Joint type: Female thread				
Holder type	Model code	Connection Config. code	Holder type	Model code	Connection Config. code	Holder type	Model code	Connection Config. code		
	VPB-H3-180J-VPGFS	H3		VPB-H3-3B-VPGFS	H3		VPB-H3-M3-VPGFS	H3		
	VPB-H3-2J-VPGFS			VPB-H3-4B-VPGFS			VPB-T8-M5-VPGFS	T8		
	VPB-H3-3J-VPGFS			VPB-H3-6B-VPGFS			VPB-M4-M6-VPGFS	M4		
	VPB-H3-4J-VPGFS	T8		VPB-T8-3B-VPGFS	T8		VPB-M6-M6-VPGFS	M6		
	VPB-T8-180J-VPGFS			VPB-T8-4B-VPGFS						
	VPB-T8-2J-VPGFS			VPB-T8-6B-VPGFS						
	VPB-T8-3J-VPGFS	M4		VPB-M4-4B-VPGFS	M4					
	VPB-T8-4J-VPGFS			VPB-M4-6B-VPGFS						
	VPB-T8-6J-VPGFS			VPB-M6-4B-VPGFS	M6					
	VPB-M4-3J-VPGFS	M6		VPB-M6-6B-VPGFS						
	VPB-M4-4J-VPGFS									
	VPB-M4-6J-VPGFS									
	VPB-M6-3J-VPGFS									
	VPB-M6-4J-VPGFS									
	VPB-M6-6J-VPGFS									

Information on Holder joint, Pad holder with holder joint (Spring type holder)

● Holder joint for VPMD

Holder joint Type	Model code	Config. code	Stroke (mm)
	VPGFS-MD-T4T8-2	T4 T8	2
	VPGFS-MD-M4M6-4	M4 M6	4



● Spring type/ Side port/ Mini holder (VPMD) + Holder joint for VPMDset

Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread				
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code		
	VPMD-T4-2-180J-VPGFS	T4		VPMD-T4-2-3B-VPGFS	T4		VPMD-T4-2-M3-VPGFS	T4		
	VPMD-T4-2-2J-VPGFS			VPMD-T4-2-4B-VPGFS			VPMD-T8-2-M3-VPGFS	T8		
	VPMD-T4-2-3J-VPGFS			VPMD-T4-2-6B-VPGFS			VPMD-M4-4-M5-VPGFS	M4		
	VPMD-T4-2-4J-VPGFS	T8		VPMD-T8-2-3B-VPGFS	T8		VPMD-M6-4-M5-VPGFS	M6		
	VPMD-T8-2-180J-VPGFS			VPMD-T8-2-4B-VPGFS						
	VPMD-T8-2-2J-VPGFS			VPMD-T8-2-6B-VPGFS						
	VPMD-T8-2-3J-VPGFS	M4		VPMD-M4-4-3B-VPGFS	M4					
	VPMD-T8-2-4J-VPGFS			VPMD-M4-4-4B-VPGFS						
	VPMD-M4-4-180J-VPGFS			VPMD-M4-4-6B-VPGFS						
	VPMD-M4-4-2J-VPGFS	M6		VPMD-M6-4-3B-VPGFS	M6					
	VPMD-M4-4-3J-VPGFS			VPMD-M6-4-4B-VPGFS						
	VPMD-M4-4-4J-VPGFS			VPMD-M6-4-6B-VPGFS						
	VPMD-M4-4-6J-VPGFS									
	VPMD-M6-4-180J-VPGFS									
	VPMD-M6-4-2J-VPGFS									
	VPMD-M6-4-3J-VPGFS									
	VPMD-M6-4-4J-VPGFS									
	VPMD-M6-4-6J-VPGFS									



Additional notes on the products

*The lines colored in indicate the pad holder & holder joint set included in the trial kit as default. Please refer to the table below as the pad holder & holder joint set included in the trial kit varies according to the trial kit type.

Trial kit type	Pad holder + Holder joint set model code				
	VPMD-T4-2-4J-VPGFS (VPMD-T4-2-4J+VPGFS-MD-T4T8-2)	VPMD-T8-2-4J-VPGFS (VPMD-T8-2-4J+VPGFS-MD-T4T8-2)	VPMD-M4-4-4J-VPGFS (VPMD-M4-4-4J+VPGFS-MD-M4M6-4)	VPMD-M4-4-6J-VPGFS (VPMD-M4-4-6J+VPGFS-MD-M4M6-4)	VPMD-M6-4-6J-VPGFS (VPMD-M6-4-6J+VPGFS-MD-M4M6-4)
Standard	—	—	—	○	○
Economy	—	—	—	—	○
Single	—	—	—	○	○
Small dia.	○	○	○	—	—
For packaging bags	—	—	—	—	—

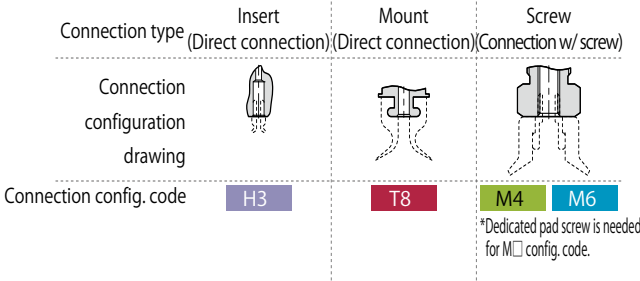


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Information on Holder joint, Pad holder with holder joint (Spring type holder)

● Holder joint for VPD

Holder joint Type	Model code	Config. code	Stroke (mm)
	VPGFS-D-H3T8-3		3
	VPGFS-D-H3T8-10	H3	10
	VPGFS-D-H3T8-15	T8	15
	VPGFS-D-H3T8-20		20
	VPGFS-D-M4M6-6		6
	VPGFS-D-M4M6-10	M4	10
	VPGFS-D-M4M6-15	M6	15
	VPGFS-D-M4M6-20		20



● Spring type/ Side port/ Standard holder (VPD) + Holder joint for VPD set

Joint type: Push-in fitting					
Holder joint Type	Model code	Config. code	Holder joint Type	Model code	Config. code
	VPD-H3-3-180J-VPGFS	H3		VPD-M4-6-3J-VPGFS	
	VPD-H3-3-2J-VPGFS			VPD-M4-6-4J-VPGFS	
	VPD-H3-3-3J-VPGFS			VPD-M4-6-6J-VPGFS	
	VPD-H3-3-4J-VPGFS			VPD-M4-10-3J-VPGFS	
	VPD-H3-3-6J-VPGFS			VPD-M4-10-4J-VPGFS	
	VPD-H3-10-180J-VPGFS			VPD-M4-10-6J-VPGFS	
	VPD-H3-10-2J-VPGFS			VPD-M4-15-3J-VPGFS	M4
	VPD-H3-10-3J-VPGFS			VPD-M4-15-4J-VPGFS	
	VPD-H3-10-4J-VPGFS			VPD-M4-15-6J-VPGFS	
	VPD-H3-10-6J-VPGFS			VPD-M4-20-3J-VPGFS	
	VPD-H3-15-180J-VPGFS			VPD-M4-20-4J-VPGFS	
	VPD-H3-15-2J-VPGFS			VPD-M4-20-6J-VPGFS	
	VPD-H3-15-3J-VPGFS			VPD-M6-6-3J-VPGFS	M6
	VPD-H3-15-4J-VPGFS			VPD-M6-6-4J-VPGFS	
	VPD-H3-15-6J-VPGFS			VPD-M6-6-6J-VPGFS	
	VPD-H3-20-180J-VPGFS			VPD-M6-10-3J-VPGFS	
	VPD-H3-20-2J-VPGFS			VPD-M6-10-4J-VPGFS	
	VPD-H3-20-3J-VPGFS			VPD-M6-10-6J-VPGFS	
	VPD-H3-20-4J-VPGFS			VPD-M6-15-3J-VPGFS	
	VPD-H3-20-6J-VPGFS			VPD-M6-15-4J-VPGFS	
	VPD-T8-3-180J-VPGFS			VPD-M6-15-6J-VPGFS	
	VPD-T8-3-2J-VPGFS			VPD-M6-20-3J-VPGFS	
	VPD-T8-3-3J-VPGFS			VPD-M6-20-4J-VPGFS	
	VPD-T8-3-4J-VPGFS			VPD-M6-20-6J-VPGFS	
	VPD-T8-3-6J-VPGFS				
	VPD-T8-10-180J-VPGFS	T8			
	VPD-T8-10-2J-VPGFS				
	VPD-T8-10-3J-VPGFS				
	VPD-T8-10-4J-VPGFS				
	VPD-T8-10-6J-VPGFS				
	VPD-T8-15-180J-VPGFS				
	VPD-T8-15-2J-VPGFS				
	VPD-T8-15-3J-VPGFS				
	VPD-T8-15-4J-VPGFS				
	VPD-T8-15-6J-VPGFS				
	VPD-T8-20-180J-VPGFS				
	VPD-T8-20-2J-VPGFS				
	VPD-T8-20-3J-VPGFS				
	VPD-T8-20-4J-VPGFS				
	VPD-T8-20-6J-VPGFS				

Easy-to-understand explainer videos on our vacuum pad types, materials, and holder types are available on our website (<https://www.pisco.co.jp/page/movie/>).

● Spring type/ Side port/ Standard holder (VPD) + Holder joint for VPD set

Joint type: Barb fitting			Joint type: Female thread			
Holder type	Model code	Config. code	Holder type	Model code	Config. code	
	VPD-H3-3-3B-VPGFS	H3		VPD-H3-3-M5-VPGFS	H3	
	VPD-H3-3-4B-VPGFS			VPD-H3-10-M5-VPGFS		
	VPD-H3-3-6B-VPGFS			VPD-H3-15-M5-VPGFS		
	VPD-H3-10-3B-VPGFS			VPD-H3-20-M5-VPGFS		
	VPD-H3-10-4B-VPGFS			VPD-T8-3-M5-VPGFS	T8	
	VPD-H3-10-6B-VPGFS			VPD-T8-10-M5-VPGFS		
	VPD-H3-15-3B-VPGFS			VPD-T8-15-M5-VPGFS		
	VPD-H3-15-4B-VPGFS			VPD-T8-20-M5-VPGFS		
	VPD-H3-15-6B-VPGFS			VPD-M4-6-M6-VPGFS	M4	
	VPD-H3-20-3B-VPGFS			VPD-M4-10-M6-VPGFS		
	VPD-H3-20-4B-VPGFS			VPD-M4-15-M6-VPGFS		
	VPD-H3-20-6B-VPGFS			VPD-M4-20-M6-VPGFS		
	VPD-T8-3-3B-VPGFS	T8		VPD-M6-6-M6-VPGFS	M6	
	VPD-T8-3-4B-VPGFS			VPD-M6-10-M6-VPGFS		
	VPD-T8-3-6B-VPGFS			VPD-M6-15-M6-VPGFS		
	VPD-T8-10-3B-VPGFS			VPD-M6-20-M6-VPGFS		
	VPD-T8-10-4B-VPGFS					
	VPD-T8-10-6B-VPGFS					
	VPD-T8-15-3B-VPGFS					
	VPD-T8-15-4B-VPGFS					
	VPD-T8-15-6B-VPGFS					
	VPD-T8-20-3B-VPGFS					
	VPD-T8-20-4B-VPGFS					
	VPD-T8-20-6B-VPGFS					
	VPD-M4-6-4B-VPGFS	M4				
	VPD-M4-6-6B-VPGFS					
	VPD-M4-10-4B-VPGFS					
	VPD-M4-10-6B-VPGFS					
	VPD-M4-15-4B-VPGFS					
	VPD-M4-15-6B-VPGFS					
	VPD-M4-20-4B-VPGFS					
	VPD-M4-20-6B-VPGFS					
	VPD-M6-6-4B-VPGFS	M6				
	VPD-M6-6-6B-VPGFS					
	VPD-M6-10-4B-VPGFS					
	VPD-M6-10-6B-VPGFS					
	VPD-M6-15-4B-VPGFS					
	VPD-M6-15-6B-VPGFS					
	VPD-M6-20-4B-VPGFS					
	VPD-M6-20-6B-VPGFS					

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Additional notes on the products

*The lines colored in indicate the pad holder & holder joint set included in the trial kit as default.

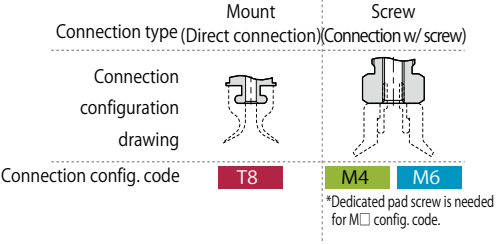
Please refer to the table below as the pad holder & holder joint set included in the trial kit varies according to the trial kit type.

Trial Kit type	Pad holder + Holder joint set model code		
	VPD-T8-3-6J-VPGFS	VPD-M4-6-6J-VPGFS	VPD-M6-10-6J-VPGFS
(Pad holder model code + holder joint model code)	(VPD-T8-3-6J+VPGF-D-H3T8-3)	(VPD-M4-6-6J+VPGF-D-M4M6-6)	(VPD-M6-10-6J+VPGF-D-M4M6-10)
Standard	—	○	○
Economy	—	—	—
Single	○	—	—
Small dia.	—	—	—
For packaging bags	—	—	—

Information on Holder joint , Pad holder with holder joint (Spring type and Fixed type holders)

● Holder joint for VPOD

Holder joint Type	Model code	Config. code	Stroke (mm)
	VPGFS-OD-T8M4M6-20	T8	20
	VPGFS-OD-T8M4M6-30	M4	30
	VPGFS-OD-T8M4M6-40	M6	40
	VPGFS-OD-T8M4M6-50		50



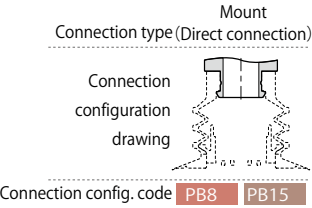
● Spring type/ Side port/ No cover holder (VPOD) + Holder joint for VPOD set

Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread					
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code			
VPOD 	VPOD-T8-20-3J-VPGFS	T8	VPOD 	VPOD-T8-20-4B-VPGFS	T8	VPOD 	VPOD-T8-20-M6-VPGFS	T8			
	VPOD-T8-20-4J-VPGFS			VPOD-T8-20-6B-VPGFS			VPOD-T8-30-M6-VPGFS				
	VPOD-T8-20-6J-VPGFS			VPOD-T8-30-4B-VPGFS			VPOD-T8-40-M6-VPGFS				
	VPOD-T8-30-3J-VPGFS			VPOD-T8-30-6B-VPGFS			VPOD-T8-50-M6-VPGFS				
	VPOD-T8-30-4J-VPGFS			VPOD-T8-40-4B-VPGFS			VPOD-M4-20-M6-VPGFS				
	VPOD-T8-30-6J-VPGFS			VPOD-T8-40-6B-VPGFS			VPOD-M4-30-M6-VPGFS				
	VPOD-T8-40-3J-VPGFS			VPOD-T8-40-8B-VPGFS			VPOD-M4-40-M6-VPGFS				
	VPOD-T8-40-4J-VPGFS			VPOD-T8-50-4B-VPGFS			VPOD-M4-50-M6-VPGFS				
	VPOD-T8-40-6J-VPGFS			VPOD-T8-50-6B-VPGFS			VPOD-M6-20-M6-VPGFS				
	VPOD-T8-50-4J-VPGFS			VPOD-M4-20-4B-VPGFS			VPOD-M6-30-M6-VPGFS				
	VPOD-T8-50-6J-VPGFS			VPOD-M4-20-6B-VPGFS			VPOD-M6-40-M6-VPGFS				
	VPOD-T8-50-8J-VPGFS			VPOD-M4-30-4B-VPGFS			VPOD-M6-50-M6-VPGFS				
	VPOD-M4-20-3J-VPGFS			M4			VPOD-M4-40-4B-VPGFS		M4		
	VPOD-M4-20-4J-VPGFS	VPOD-M4-40-6B-VPGFS									
	VPOD-M4-20-6J-VPGFS	VPOD-M4-50-4B-VPGFS									
	VPOD-M4-30-3J-VPGFS	VPOD-M4-50-6B-VPGFS									
	VPOD-M4-30-4J-VPGFS	VPOD-M6-20-4B-VPGFS									
	VPOD-M4-30-6J-VPGFS	VPOD-M6-20-6B-VPGFS									
	VPOD-M4-40-3J-VPGFS	VPOD-M6-30-4B-VPGFS									
	VPOD-M4-40-4J-VPGFS	VPOD-M6-30-6B-VPGFS									
	VPOD-M4-40-6J-VPGFS	VPOD-M6-40-4B-VPGFS									
	VPOD-M4-50-3J-VPGFS	VPOD-M6-40-6B-VPGFS									
	VPOD-M4-50-4J-VPGFS	VPOD-M6-50-4B-VPGFS									
	VPOD-M4-50-6J-VPGFS	VPOD-M6-50-6B-VPGFS									
	VPOD-M6-20-3J-VPGFS	M6						M6			
	VPOD-M6-20-4J-VPGFS										
	VPOD-M6-20-6J-VPGFS										
	VPOD-M6-30-3J-VPGFS										
	VPOD-M6-30-4J-VPGFS										
	VPOD-M6-30-6J-VPGFS										
	VPOD-M6-40-3J-VPGFS										
	VPOD-M6-40-4J-VPGFS										
	VPOD-M6-40-6J-VPGFS										
	VPOD-M6-50-3J-VPGFS										
	VPOD-M6-50-4J-VPGFS										
	VPOD-M6-50-6J-VPGFS										

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● Fixed type Direct Mount/ For parallel pipe thread type pad holder (VPE) (For packaging bags type)

Joint type: Male thread		
Holder type	Model code	Config. Code
	VPE-PB8-G1	PB8
	VPE-PB15-G1	PB15
	VPE-PB15-G2	
	VPE-PB15-G3	



● Holder joint for VPE (For packaging bags)

Joint type: Push-in fitting		
Holder joint Type	Model code	Config. Code
	VPGFS-E-G1-4J	PB8
	VPGFS-E-G1-6J	PB15
	VPGFS-E-G1-8J	PB15
	VPGFS-E-G2-4J	
	VPGFS-E-G2-6J	
	VPGFS-E-G2-8J	PB15
	VPGFS-E-G3-4J	
	VPGFS-E-G3-6J	
	VPGFS-E-G3-8J	PB15

Joint type: Female thread		
Holder joint type	Model code	Config. Code
	VPGFS-E-G1-G1	PB8
	VPGFS-E-G2-G1	PB15
	VPGFS-E-G3-G1	PB15

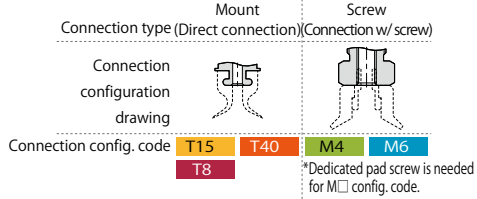
Additional notes on the products
*Please refer to the table below as the pad holder & holder joint set included in the trial kit varies according to the trial kit type.

Trial kit type	Pad holder model code		Holder joint model code	
	VPE-PB8-G1	VPE-PB15-G3	VPGFS-E-G1-8J	VPGFS-E-G3-8J
Standard	—	—	—	—
Economy	—	—	—	—
Single	—	—	—	—
Small dia.	—	—	—	—
For packaging bags	○	○	○	○

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● Holder joint for VPHD, VPHDW

Holder joint type	Model code	Config. code	Stroke (mm)
	VPGFS-HD	T15	5
		T40	
		T8	
		M4	
		M6	



● Spring type/ Side port Holder (VPHD) + Holder joint for VPHD set (Connection config. code T15 and T40 are for soft bellows type)

Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread			
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code	
	VPHD-T15-5-180J-VPGFS	T15		VPHD-T15-5-38-VPGFS	T15		VPHD-T15-5-M5-VPGFS	T15	
	VPHD-T15-5-2J-VPGFS			VPHD-T15-5-48-VPGFS			VPHD-T40-5-M5-VPGFS	T40	
	VPHD-T15-5-3J-VPGFS			VPHD-T15-5-68-VPGFS			VPHD-T8-5-M5-VPGFS	T8	
	VPHD-T15-5-4J-VPGFS			VPHD-T40-5-38-VPGFS			VPHD-M4-5-M5-VPGFS	M4	
	VPHD-T15-5-6J-VPGFS			VPHD-T40-5-48-VPGFS			VPHD-M6-5-M5-VPGFS	M6	
	VPHD-T40-5-180J-VPGFS	T40		VPHD-T40-5-68-VPGFS	T40				
	VPHD-T40-5-2J-VPGFS			VPHD-T8-5-38-VPGFS					
	VPHD-T40-5-3J-VPGFS			VPHD-T8-5-48-VPGFS					
	VPHD-T40-5-4J-VPGFS			VPHD-T8-5-68-VPGFS					
	VPHD-T40-5-6J-VPGFS			VPHD-M4-5-38-VPGFS					
	VPHD-T8-5-180J-VPGFS	T8		VPHD-M4-5-48-VPGFS			M4		
	VPHD-T8-5-2J-VPGFS			VPHD-M4-5-68-VPGFS					
	VPHD-T8-5-3J-VPGFS			VPHD-M6-5-38-VPGFS					
	VPHD-T8-5-4J-VPGFS			VPHD-M6-5-48-VPGFS					
	VPHD-T8-5-6J-VPGFS			VPHD-M6-5-68-VPGFS					
	VPHD-M4-5-180J-VPGFS	M4							
	VPHD-M4-5-2J-VPGFS								
	VPHD-M4-5-3J-VPGFS								
	VPHD-M4-5-4J-VPGFS								
	VPHD-M4-5-6J-VPGFS								
	VPHD-M6-5-180J-VPGFS	M6							
	VPHD-M6-5-2J-VPGFS								
	VPHD-M6-5-3J-VPGFS								
	VPHD-M6-5-4J-VPGFS								
	VPHD-M6-5-6J-VPGFS								

Easy-to-understand explainer videos on our vacuum pad types, materials, and holder types are available on our website (<https://www.pisco.co.jp/page/movie/>).

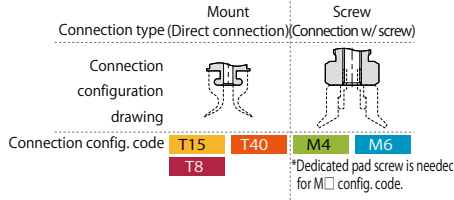
● Spring type/ Dual side port Holder (VPHDW) + Holder joint for VPHDW set (Connection config. T15 and T40 are for soft bellows type)

Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread			
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code	
	VPHDW-T15-5-180J-VPGFS	T15		VPHDW-T15-5-38-VPGFS	T15		VPHDW-T15-5-M5-VPGFS	T15	
	VPHDW-T15-5-2J-VPGFS			VPHDW-T15-5-48-VPGFS			VPHDW-T40-5-M5-VPGFS	T40	
	VPHDW-T15-5-3J-VPGFS			VPHDW-T15-5-68-VPGFS			VPHDW-T8-5-M5-VPGFS	T8	
	VPHDW-T15-5-4J-VPGFS			VPHDW-T40-5-38-VPGFS			VPHDW-M4-5-M5-VPGFS	M4	
	VPHDW-T15-5-6J-VPGFS			VPHDW-T40-5-48-VPGFS			VPHDW-M6-5-M5-VPGFS	M6	
	VPHDW-T40-5-180J-VPGFS	T40		VPHDW-T40-5-68-VPGFS	T40				
	VPHDW-T40-5-2J-VPGFS			VPHDW-T8-5-38-VPGFS					
	VPHDW-T40-5-3J-VPGFS			VPHDW-T8-5-48-VPGFS					
	VPHDW-T40-5-4J-VPGFS			VPHDW-T8-5-68-VPGFS					
	VPHDW-T40-5-6J-VPGFS			VPHDW-M4-5-38-VPGFS					
	VPHDW-T8-5-180J-VPGFS	T8		VPHDW-M4-5-48-VPGFS			M4		
	VPHDW-T8-5-2J-VPGFS			VPHDW-M4-5-68-VPGFS					
	VPHDW-T8-5-3J-VPGFS			VPHDW-M6-5-38-VPGFS					
	VPHDW-T8-5-4J-VPGFS			VPHDW-M6-5-48-VPGFS					
	VPHDW-T8-5-6J-VPGFS			VPHDW-M6-5-68-VPGFS					
	VPHDW-M4-5-180J-VPGFS	M4							
	VPHDW-M4-5-2J-VPGFS								
	VPHDW-M4-5-3J-VPGFS								
	VPHDW-M4-5-4J-VPGFS								
	VPHDW-M4-5-6J-VPGFS								
	VPHDW-M6-5-180J-VPGFS	M6							
	VPHDW-M6-5-2J-VPGFS								
	VPHDW-M6-5-3J-VPGFS								
	VPHDW-M6-5-4J-VPGFS								
	VPHDW-M6-5-6J-VPGFS								

Easy-to-understand explainer videos on our vacuum pad types, materials, and holder types are available on our website (<https://www.pisco.co.jp/page/movie/>).

● Holder joint for VPHE, VPHEW

Holder joint Type	Model code	Config. code
VPGFS-HE	VPGFS-HE	T15
		T40
		T8
		M4
		M6
*Hexagonal nut is included.		



● Fixed type/ Side port Holder (VPHE) + Holder joint for VPHE set (Connection config. code T15 and T40 are for soft bellows type)

Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread				
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code		
	VPHE-T15-180J-VPGFS	T15		VPHE-T15-3B-VPGFS	T15		VPHE-T15-M5-VPGFS	T15		
	VPHE-T15-2J-VPGFS			VPHE-T15-4B-VPGFS			VPHE-T40-M5-VPGFS	T40		
	VPHE-T15-3J-VPGFS			VPHE-T15-6B-VPGFS			VPHE-T8-M5-VPGFS	T8		
	VPHE-T15-4J-VPGFS			VPHE-T40-3B-VPGFS			VPHE-M4-M5-VPGFS	M4		
	VPHE-T15-6J-VPGFS			VPHE-T40-4B-VPGFS			VPHE-M6-M5-VPGFS	M6		
	VPHE-T40-180J-VPGFS	T40		VPHE-T40-6B-VPGFS	T40					
	VPHE-T40-2J-VPGFS			VPHE-T8-3B-VPGFS						
	VPHE-T40-3J-VPGFS			VPHE-T8-4B-VPGFS						
	VPHE-T40-4J-VPGFS			VPHE-T8-6B-VPGFS						
	VPHE-T40-6J-VPGFS			VPHE-M4-3B-VPGFS						
	VPHE-T8-180J-VPGFS	T8		VPHE-M4-4B-VPGFS	M4					
	VPHE-T8-2J-VPGFS			VPHE-M4-6B-VPGFS						
	VPHE-T8-3J-VPGFS			VPHE-M6-3B-VPGFS						
	VPHE-T8-4J-VPGFS			VPHE-M6-4B-VPGFS	M6					
	VPHE-T8-6J-VPGFS			VPHE-M6-6B-VPGFS						
	VPHE-M4-180J-VPGFS	M4								
	VPHE-M4-2J-VPGFS									
	VPHE-M4-3J-VPGFS									
	VPHE-M4-4J-VPGFS									
	VPHE-M4-6J-VPGFS									
	VPHE-M6-180J-VPGFS	M6								
	VPHE-M6-2J-VPGFS									
	VPHE-M6-3J-VPGFS									
	VPHE-M6-4J-VPGFS									
	VPHE-M6-6J-VPGFS									

● Fixed type/ Dual side port Holder (VPHEW) + Holder joint for VPHEW set (Connection config. code T15 and T40 are for soft bellows type)

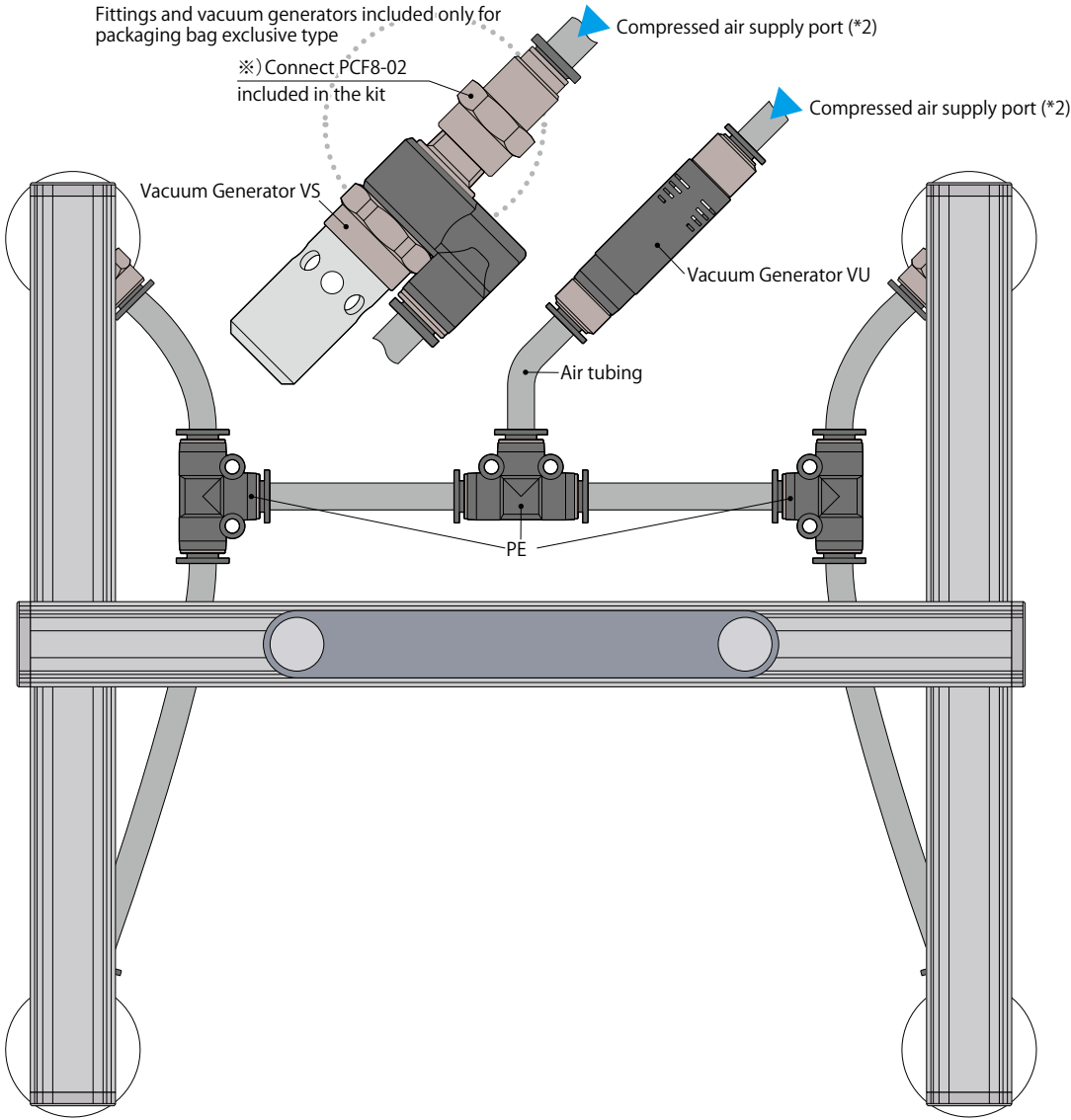
Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread				
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code		
	VPHEW-T15-180J-VPGFS	T15		VPHEW-T15-3B-VPGFS	T15		VPHEW-T15-M5-VPGFS	T15		
	VPHEW-T15-2J-VPGFS			VPHEW-T15-4B-VPGFS			VPHEW-T40-M5-VPGFS	T40		
	VPHEW-T15-3J-VPGFS			VPHEW-T15-6B-VPGFS			VPHEW-T8-M5-VPGFS	T8		
	VPHEW-T15-4J-VPGFS			VPHEW-T40-3B-VPGFS			VPHEW-M4-M5-VPGFS	M4		
	VPHEW-T15-6J-VPGFS			VPHEW-T40-4B-VPGFS			VPHEW-M6-M5-VPGFS	M6		
	VPHEW-T40-180J-VPGFS	T40		VPHEW-T40-6B-VPGFS	T40					
	VPHEW-T40-2J-VPGFS			VPHEW-T8-3B-VPGFS						
	VPHEW-T40-3J-VPGFS			VPHEW-T8-4B-VPGFS						
	VPHEW-T40-4J-VPGFS			VPHEW-T8-6B-VPGFS						
	VPHEW-T40-6J-VPGFS			VPHEW-M4-3B-VPGFS						
	VPHEW-T8-180J-VPGFS	T8		VPHEW-M4-4B-VPGFS	M4					
	VPHEW-T8-2J-VPGFS			VPHEW-M4-6B-VPGFS						
	VPHEW-T8-3J-VPGFS			VPHEW-M6-3B-VPGFS						
	VPHEW-T8-4J-VPGFS			VPHEW-M6-4B-VPGFS	M6					
	VPHEW-T8-6J-VPGFS			VPHEW-M6-6B-VPGFS						
	VPHEW-M4-180J-VPGFS	M4								
	VPHEW-M4-2J-VPGFS									
	VPHEW-M4-3J-VPGFS									
	VPHEW-M4-4J-VPGFS									
	VPHEW-M4-6J-VPGFS									
	VPHEW-M6-180J-VPGFS	M6								
	VPHEW-M6-2J-VPGFS									
	VPHEW-M6-3J-VPGFS									
	VPHEW-M6-4J-VPGFS									
	VPHEW-M6-6J-VPGFS									

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■ Piping equipment & vacuum generators included in the Vacuum Pad Trial Kit

The trial kit includes push-in fittings (Union Tee type: PE) for pneumatic piping and vacuum generators to generate vacuum air. Please perform piping to the assembled frame referencing the diagram below.

*The maximum load should be 280N or less when in use.



*1 Air tubing illustrated in the above diagram is not included in the kit. Please prepare it on your own.

(Our recommended PISCO air tubing type [Polyurethane tube]: UB)

*2 Using the following equipment together at the upstream of compressed air supply port is recommended: Regulator to elicit performance of the vacuum regulator (the list below) and ball valve or hand valve to turn on and off air pressure. (Please refer to the following page for the related products.)

Model code of included vacuum generator (Engraving on the main body)	Vacuum Characteristics		Rated supply pressure (MPa)	Nozzle bore (mm)	Vacuum level (kPa)	Suction flow (ℓ/min [ANR])	Trial kit type	Tube O.D. (mm)
VUH07-44A	H type	High vacuum type	0.5	0.7	-92~-93	12.5~13	Small dia. type	ø4
VUE07-44A	E type	High-vacuum at low air pressure supply type	0.35		-90~-92	10~10.5		
VUH07-66A	H type	High vacuum type	0.5	0.7	-92~-93	12.5~13	Standard type, Economy type, Single type	ø6
VUE07-66A	E type	High-vacuum at low air pressure supply type	0.35		-90~-92	10~10.5		
VSL15-802	L type	Large-flow type	0.5	1.5	-66	95	For packaging bags type	ø8
VSE15-802	E type	High-vacuum at low air pressure supply type	0.35		-92	42		

Polyurethane tube

Model: UB



■ Excellent flexibility, can be used with small bending radius.

Model code	Recommended type
UB0425	Small dia.
UB0640	Standard
UB0850	Economy
	Single
	For packaging bags

Regulator push-lock type w/ press. gauge

Model: RVUMP



■ Compact design, easy to set in place. Built-in pressure gauge allows easy adjustment while looking at the pressure level.

Model code	Recommended type
RVUMP4-4	Small dia.
RVUMP6-6	Standard
RVUMP8-8	Economy
	Single
	For packaging bags

Ball valve

Model: BVU



■ Although small, its orifice diameter is large and the flow loss is little.

Model code	Recommended type
BVU4-4	Small dia.
BVU6-6	Standard
BVU20-0808	Economy
	Single
	For packaging bags

Hand valve

Model: HV



■ Seamless On/ OFF switching of air pressure with the cap lever.

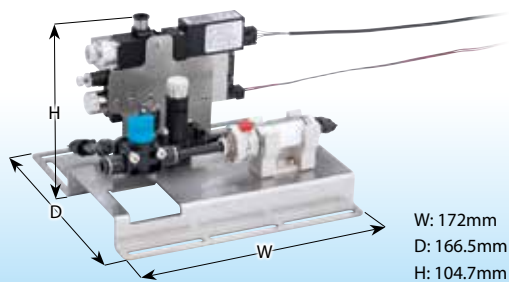
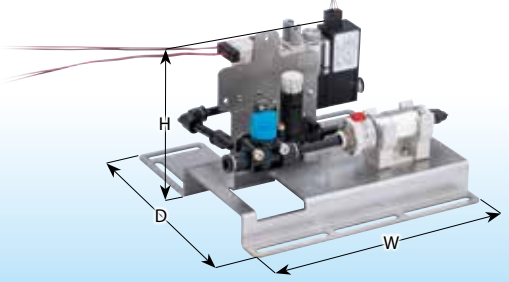
Model code	Recommended type
HV4-4-2	Small dia.
HV6-6-2	Standard
HV8-8-2	Economy
	Single
	For packaging bags

Information on Piping Unit for Vacuum and Compressed Air Supply (Non-standard product/ sold separately)

Integrated unit for supplying Vacuum and compressed air

Unitized pneumatic equipment that are needed for Multi-function Vacuum Generator types and External Vacuum Controllers.

*All pneumatic equipment in the unit are our products. Please refer to our website for details on usage.

With Multi-function Vacuum Generator type / HKU-VK	With External Vacuum Controller mounted type / HKU-VJP
 W: 172mm D: 166.5mm H: 104.7mm	 W: 172mm D: 166.5mm H: 93mm
Switch compressed air to vacuum air and blow-off air ► Supply air to EOAT	Switch compressed air (blow-off air) and vacuum air from Vacuum Pump ► Supply air to EOAT
Components Hand valve, Positive-Negative Pressure Union Filter, Regulator Push-lock type with pressure gauge, Multi-function Vacuum Generator type	Components Hand valve, Positive-Negative Pressure Union Filter, Regulator Push-lock type with pressure gauge, External Vacuum Controller mounted type

No need to select necessary equipment on the pneumatic circuit.

Reduction in time and labor required for piping and installation.

Simply connect to the supply port (IN) side and the output port (P or V) side to generate vacuum or switch air control.

*1. Electrical wiring is required separately.

*2. A vacuum pump is separately required for External Vacuum Controller mounted type (HKU-VJP).

Extending the aluminum frame

If you want to extend the aluminum frame (for example, the frame needs to be longer than the one in the trial kit"), please read the included instruction manual.

