

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

Aluminum frame in various lengths

Great customizability

Various pad types

Standard type

Economy type

Single type

Small dia. type

For packaging bags type

New Lineup






New Lineup



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.

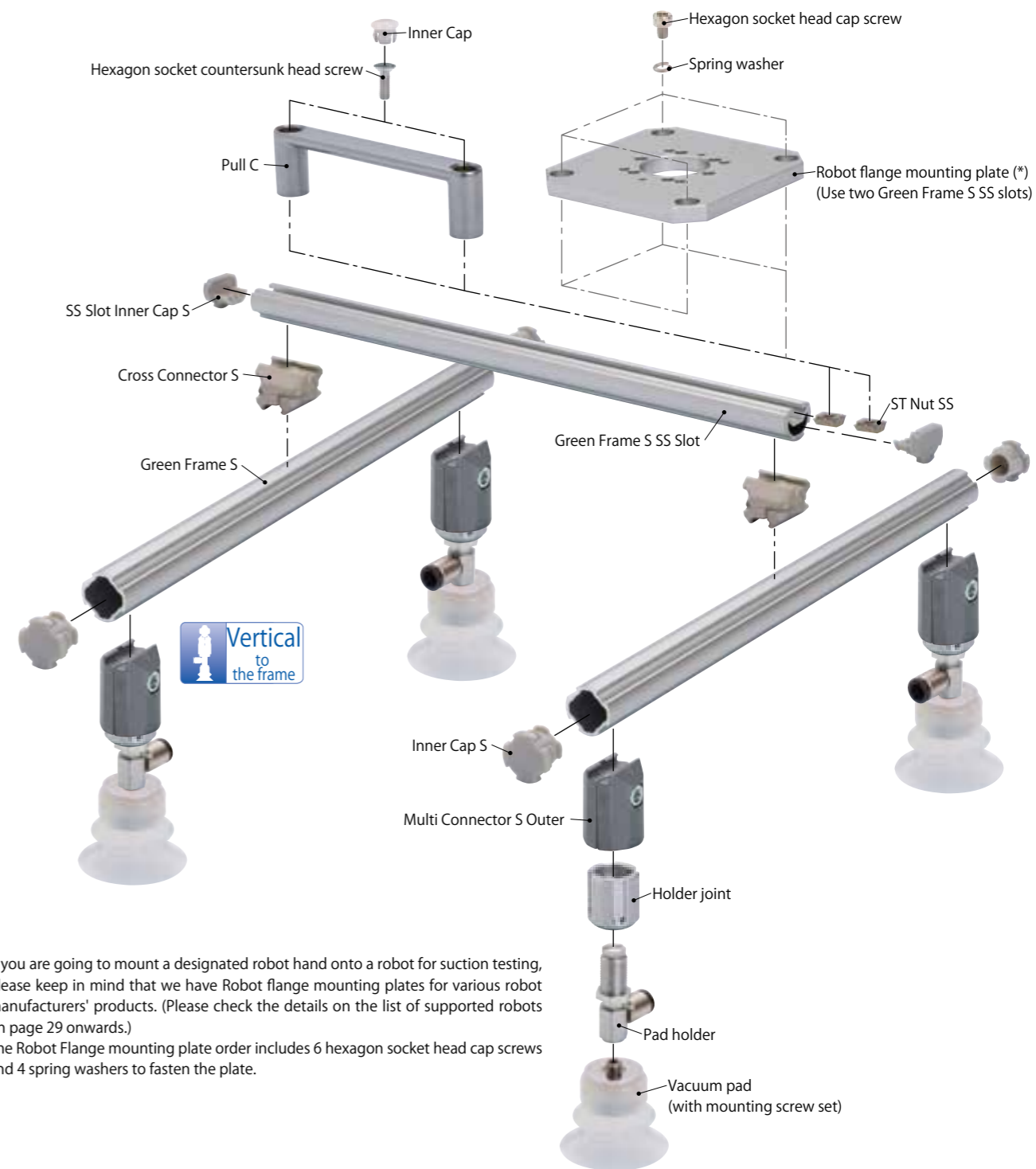
Robot flange mounting plate for connecting the Trial kit to the robot is available (sold separately) for various robot manufacturers' products.

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)

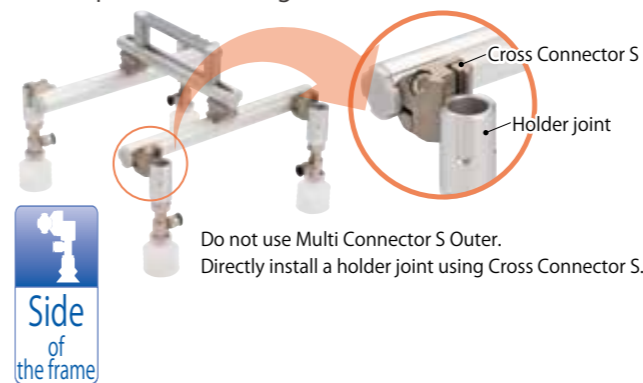


*If you are going to mount a designated robot hand onto a robot for suction testing, please keep in mind that we have Robot flange mounting plates for various robot manufacturers' products. (Please check the details on the list of supported robots on page 29 onwards.)

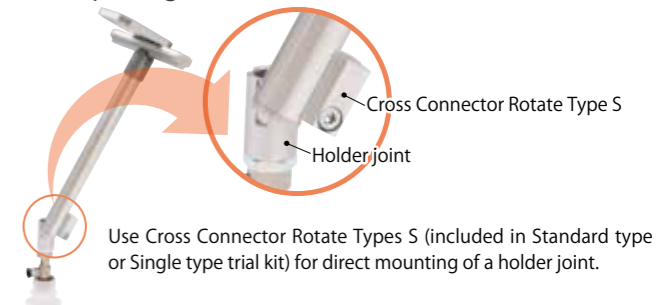
The Robot Flange mounting plate order includes 6 hexagon socket head cap screws and 4 spring washers to fasten the plate.

Reference example of assembly

1. To keep the frame height low



2. 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.



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)	Pad size (mm)	ø2	Standard small	-T4	VP2RMS	—	—	—	6	—
		ø4			VP4RMS	—	—	—	6	—
		ø6	Standard general	-T8	VP6RS	—	—	6	6	—
			Bellows		VP6BS	—	—	—	6	—
		ø8	Standard general	-T8	VP8RS	—	—	6	6	—
			Bellows		VP8BS	—	—	—	6	—
	Multi-bellows		VP8WS	—	—	—	6	—		
Vacuum Pad (w/ mounting screw set) (Material: Silicone)	Pad size (mm)	Pad type			VP4LS-M4	—	—	—	6	—
					VP6LS-M4	—	—	—	6	—
					VP6LBS-M4	—	—	—	6	—
					VP8LS-M4	—	—	—	6	—
					VP8LBS-M4	—	—	—	6	—
					VP10RS-M4	6	—	6	6	—
					VP10LS-M4	—	—	—	6	—
					VP10LBS-M4	6	—	—	6	—
					VP10BS-M4	6	—	—	6	—
					VP10WS-M4	—	—	—	6	—
					VP15RS-M4	6	—	—	6	—
					VP15LS-M4	—	—	—	6	—
					VP15LBS-M4	6	—	—	6	—
					VP15BS-M4	—	—	6	6	—
					VP20RS-M6	6	6	—	—	—
					VP20LBS-M6	6	6	6	—	—
					VP20BS-M6	6	6	—	—	—
					VP20WS-M6	6	—	—	—	—
					VP30RS-M6	6	—	—	—	—
					VP30AS-M6	—	6	6	—	—
					VP30BS-M6	6	—	—	—	—
					VP30WS-M6	6	6	—	—	—
					VP40RS-M6	—	6	—	—	—
					VP40AS-M6	6	—	—	—	—
VP40BS-M6	6	6	—	—	—					
VP40WS-M6	6	—	—	—	—					
VP50RS-M6	6	—	—	—	—					
VP50BS-M6	6	—	—	—	—					
Vacuum Pad (Bellows convolutions: 3) (Material: Silicone)	Pad size (mm)				VP20PBS23	—	—	—	—	6
					VP30PBS43	—	—	—	—	6
					VP40PBS23	—	—	—	—	6
					VP50PBS43	—	—	—	—	6
Vacuum Pad (Bellows convolutions: 5) (Material: Silicone)	Pad size (mm)				VP20PBS45	—	—	—	—	6
					VP30PBS25	—	—	—	—	6
					VP40PBS45	—	—	—	—	6
					VP50PBS25	—	—	—	—	6
Pad holder	Connection config. code				VPMD-T4-2-4J	—	—	—	6	—
					VPB-T8-6J	—	—	4	—	—
					VPMD-T8-2-4J	—	—	—	6	—
					VPD-T8-3-6J	—	—	4	—	—
					VPMB-M4-6J	6	—	4	—	—
					VPMD-M4-4-4J	—	—	—	6	—
					VPMD-M4-4-6J	6	—	4	—	—
					VPD-M4-6-6J	6	—	—	—	—
					VPMB-M6-6J	6	6	4	—	—
					VPMD-M6-4-6J	6	6	4	—	—
					VPD-M6-10-6J	6	—	—	—	—
					VPE-PB8-G1	—	—	—	—	6
VPE-PB15-G3	—	—	—	—	6					
Holder joint					VPGFS-MD-T4T8-2	—	—	—	12	—
					VPGFS-B-T8	—	—	4	—	—
					VPGFS-D-H3T8-3	—	—	4	—	—
					VPGFS-MB-M4M6	12	6	8	—	—
					VPGFS-MD-M4M6-4	12	6	8	6	—
					VPGFS-D-M4M6-6	6	—	—	—	—
					VPGFS-D-M4M6-10	6	—	—	—	—
					VPGFS-E-G1-8J	—	—	—	—	6
VPGFS-E-G3-8J	—	—	—	—	6					
Oversuction Preventing Adapter	Plane type	Pad size (mm)			VP20PB-FF	—	—	—	—	12
					VP30PB-FF	—	—	—	—	12
					VP40PB-FF	—	—	—	—	12
	Spherical type				VP50PB-FF	—	—	—	—	12
					VP20PB-FS	—	—	—	—	12
					VP30PB-FS	—	—	—	—	12
	VP40PB-FS	—	—	—	—	12				
	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.Type

Vacuum Pad Trial Kit

Code Type	-STA Standard	-ECO Economy	-SIN Single
Code Type	-MIN Small dia.		-PB For packaging bags

2 parts cases per set

1 parts case per set

1 parts case per set

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.Type

Robot Flange Mounting Plate

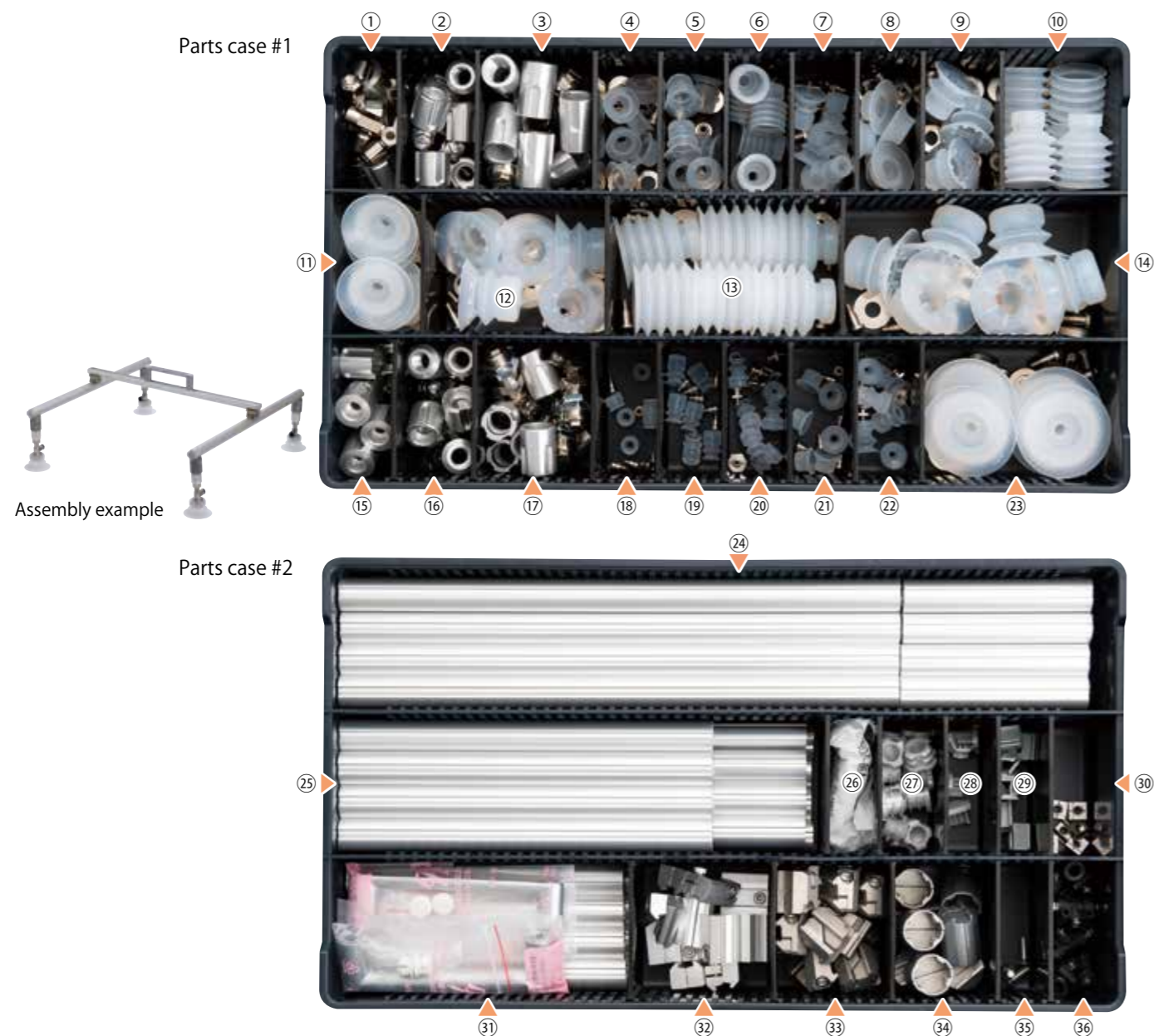
Code	-A01~ -A29	-B01~ -B08
Type	With mounting pitch	Blank (no mounting pitch)

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

Robot Flange Mounting Plate

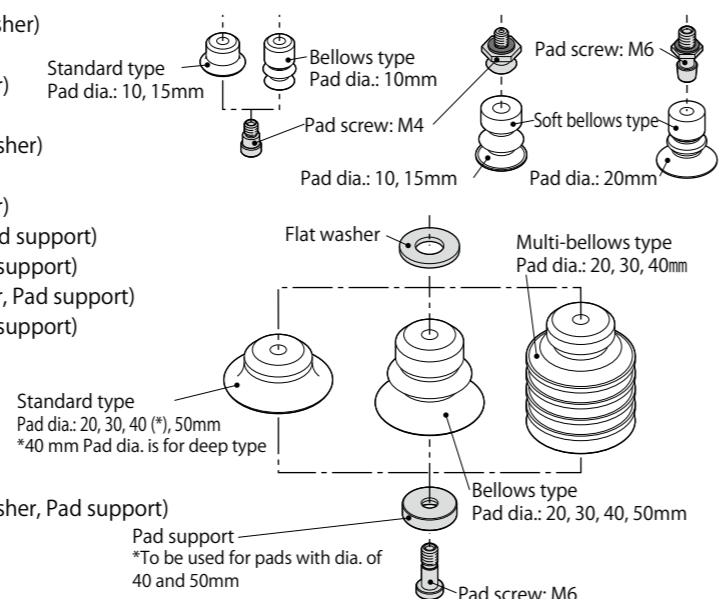
Example of installing on an industrial robot

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



Vacuum Pads stored in the cases

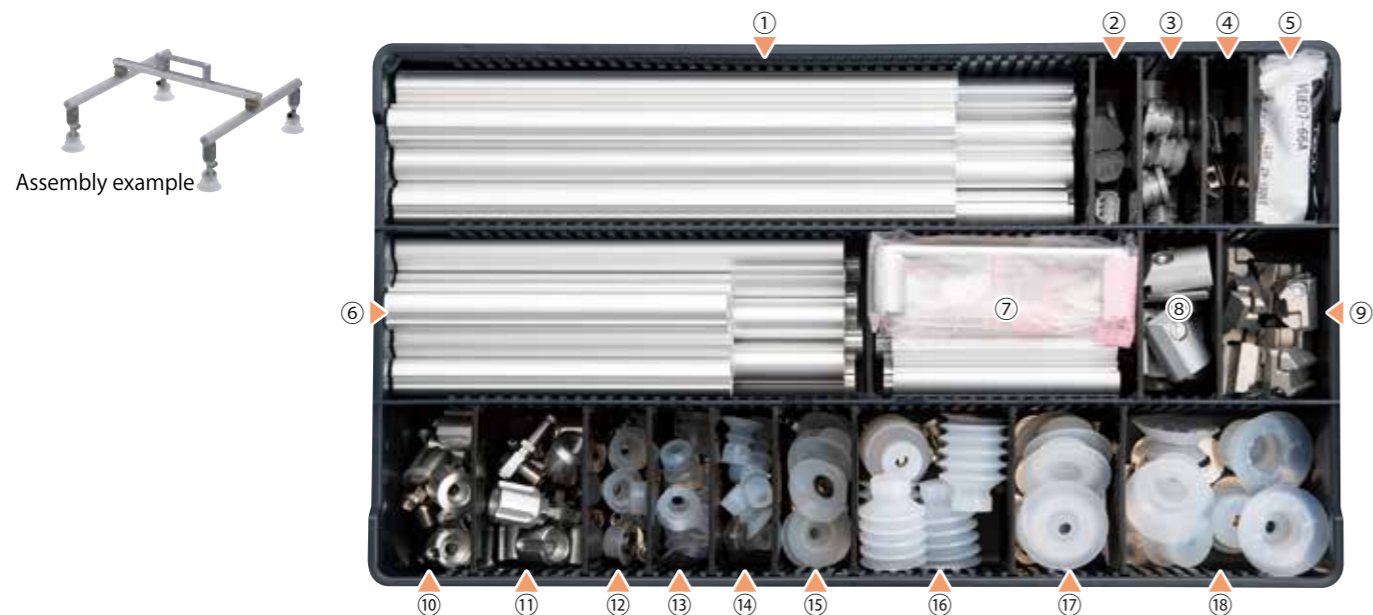
- ④ : Standard general type (pad dia.: 20mm, pad screw: M6, Flat washer)
- ⑤ : Bellows type (Pad dia.: 20mm, Pad screw: M6, Flat washer)
- ⑥ : Multi-bellows type (Pad dia.: 20mm, Pad screw: M6, Flat washer)
- ⑦ : Soft bellows type (Pad dia.: 20mm, Pad screw: M6)
- ⑧ : Standard general type (Pad dia.: 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	⑮
	Bellows type (ø10mm, Silicone)	VP10BS-M4	PISCO	6	⑯
	Soft bellows type (ø10mm, Silicone)	-M4 (*1) VP10LBS-M4	PISCO	6	⑰
	Standard general type (ø15mm, Silicone)	VP15RS-M4	PISCO	6	⑲
	Soft bellows type (ø15mm, Silicone)	VP15LBS-M4	PISCO	6	⑳
	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	
Bellows type (ø50mm, Silicone)	VP50BS-M6	PISCO	6	⑭	
Standard general type (ø50mm, Silicone)	VP50RS-M6	PISCO	6	㉓	
Pad holder	Fixed type, Side port Mini	VPMB-M4-6J	PISCO	6	⑮
	Spring type, Side port Mini	-M4 (*1) VPMD-M4-4-6J	PISCO	6	⑰
	Spring type, Side port Standard	VPD-M4-6-6J	PISCO	6	⑲
	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	
Holder joint	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, ⑰
	For VPD-M4-6-6J	VPGFS-D-M4M6-6	PISCO	6	⑲
	For VPD-M6-10-6J	VPGFS-D-M4M6-10	PISCO	6	③
Green Frame S	Vacuum Generator pipe type [High vacuum type]	VUH07-66A	PISCO	1	㉔
	Vacuum Generator pipe type [High-vacuum at low air pressure supply type]	VUE07-66A	PISCO	1	㉔
	Push-in Fitting for air piping, Union Tee type	PE6M	PISCO	8	㉖
	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	㉖
	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	㉖
Multi Connector S Outer	GFJ-018	SUS	8	㉗	
Cross Connector S	GFJ-B55	SUS	16	㉘	
Cross Connector Rotate Type S	GFJ-B77	SUS	6	㉙	
Inner Cap S	GFA-403	SUS	12	㉚	
SS Slot Inner Cap S	GFA-408	SUS	4	㉛	
Cable Lock S	GFE-013	SUS	8	㉜	
ST Nut SS M5	SFN-TX5	SUS	8	㉝	
Pull C	SFA-304	SUS	2	㉞	
Hexagon socket countersunk head screw	SFB-502	SUS	4	㉟	

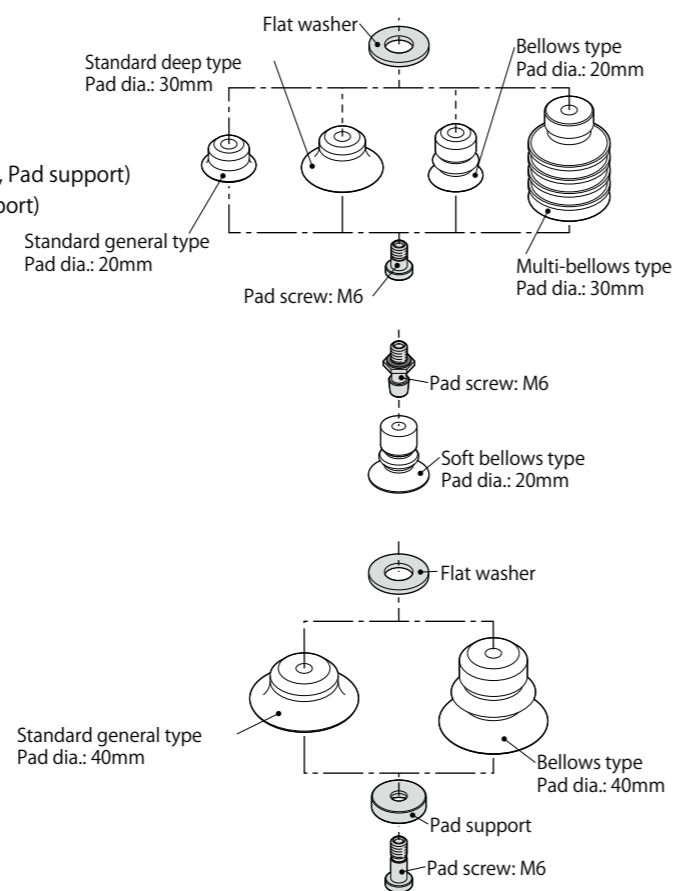
*1. Pad holder <-M4> is mountable on Vacuum pad (w/ mounting screw) <-M4>. Pad holder <-M6> is mountable on Vacuum pad (w/ mounting screw) <-M6>.
 *2. Hexagon socket head cap screws and flat washers are included for mounting.

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	
	Bellows type (ø40mm, Silicone)	VP40BS-M6	PISCO	6	⑱	
	Pad holder	Fixed type, Side port Mini	-M6 (*1) VPMB-M6-6J	PISCO	6	⑩
		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	
Joint	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	
Green Frame S	Push-in fitting for air piping, Union Tee type	PE6M	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		
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		

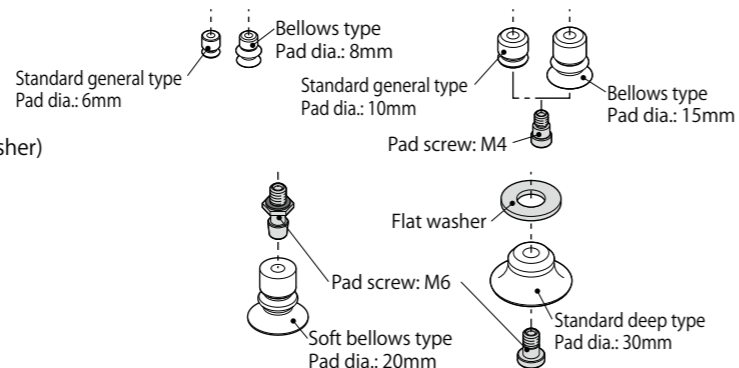
*1. Pad holder <-M6> is mountable on Vacuum pad (w/ mounting screw) <-M6>.
 *2. Hexagon socket head cap screws and flat washers are included for mounting.

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



Vacuum Pads stored in the case

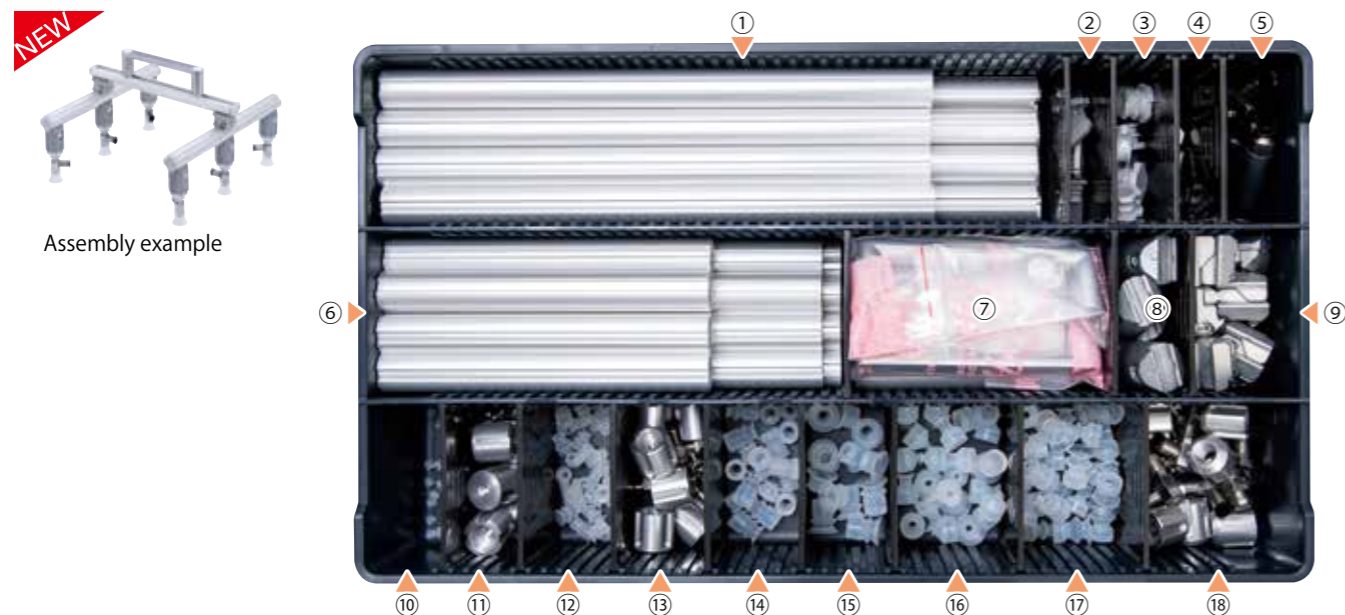
- ⑪ : Standard general type (Pad dia.: 6mm)
- ⑫ : Bellows type (Pad dia.: 8mm)
- ⑭ : Standard general type (Pad dia.: 10mm, Pad screw: M4)
- ⑮ : Bellows type (Pad dia.: 15mm, Pad screw: M4)
- ⑰ : Soft bellows type (Pad dia.: 20mm, Pad screw: M6)
- ⑱ : Standard deep type (Pad dia.: 30mm, Pad screw: M6, 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
Pad holder	Standard general type (ø10mm, Silicone)	-M4 (*2) VP10RS-M4	PISCO	6	⑭
	Bellows type (ø15mm, Silicone)	VP15BS-M4	PISCO	6	⑮
Holder joint	Soft bellows type (ø20mm, Silicone)	-M6 (*2) VP20LBS-M6	PISCO	6	⑰
	Standard deep type (ø30mm, Silicone)	VP30AS-M6	PISCO	6	⑱
Green Frames S	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
	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
Vacuum Generator pipe type [High vacuum type]	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
	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
Push-in fitting for air piping, Union Tee type	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
Cross Connector S	Length: 400mm	GFF-400 ℓ=400	SUS	2	①
	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
	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
	SS Slot, Length: 100mm	GFF-401 ℓ=100	SUS	2	①
Inner Cap S	Multi Connector S Outer	GFJ-018	SUS	4	⑤
	Cross Connector S	GFJ-B55	SUS	10	④
SS Slot Inner Cap S	Cross Connector Rotate Type S	GFJ-B77	SUS	4	③
	Inner Cap S	GFA-403	SUS	8	⑦
ST Nut SS M5	SS Slot Inner Cap S	GFA-408	SUS	4	⑧
	Pull C	SFA-304	SUS	2	②
Hexagon socket countersunk head screw	ST Nut SS M5	SFN-TX5	SUS	8	⑨
	Hexagon socket countersunk head screw	SFB-502	SUS	4	⑨

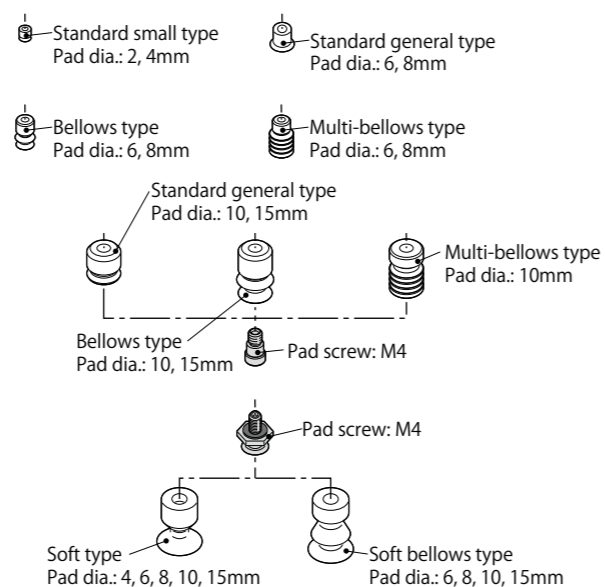
*1. Pad holder <-T8> is mountable on Vacuum Pad (w/ mounting screw) VP6RS and VP8BS.
 *2. Pad holder <-M4> is mountable on Vacuum pad (w/ mounting screw) <-M4>. Pad holder <-M6> is mountable on Vacuum pad (w/ mounting screw) <-M6>.
 *3. Hexagon socket head cap screws and flat washers are included for mounting.

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



Vacuum Pads stored in the case

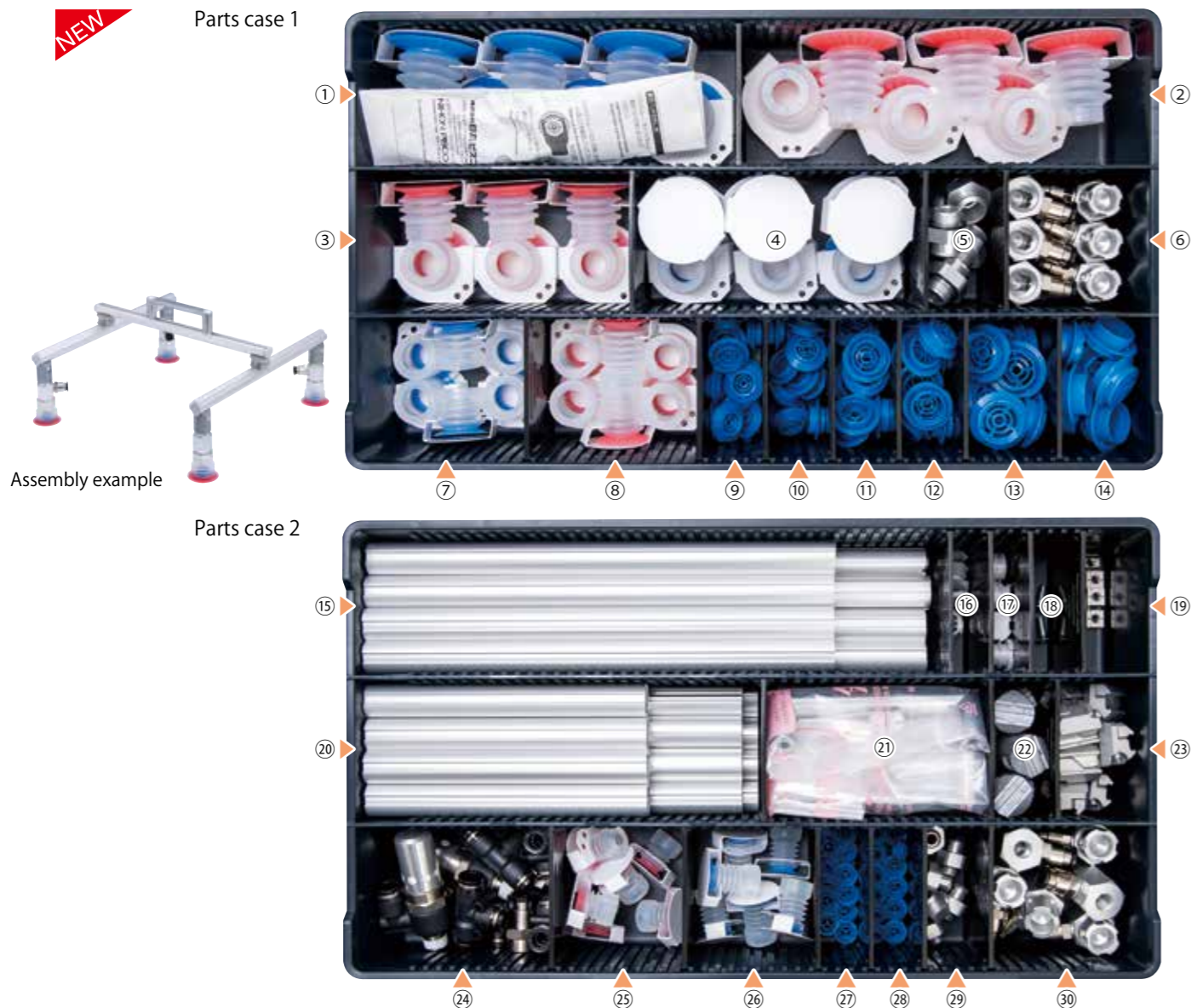
- ⑩ : Standard small type (Pad dia.: 2mm)
- ⑩ : Standard small type (Pad dia.: 4mm)
- ⑫ : Standard general type (Pad dia.: 6mm)
- ⑫ : Standard general type (Pad dia.: 8mm)
- ⑫ : Bellows type (Pad dia.: 6mm)
- ⑫ : Bellows type (Pad dia.: 8mm)
- ⑫ : Multi-bellows type (Pad dia.: 6mm)
- ⑫ : Multi-bellows 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
	For both VPMD-T4-2-4J and VPMD-T8-2-4J		VPGFS-MD-T4T8-2	PISCO	6 each	⑪, ⑬
Holder Joint	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
Push-in fitting for air piping, Union Tee type			PE4M	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

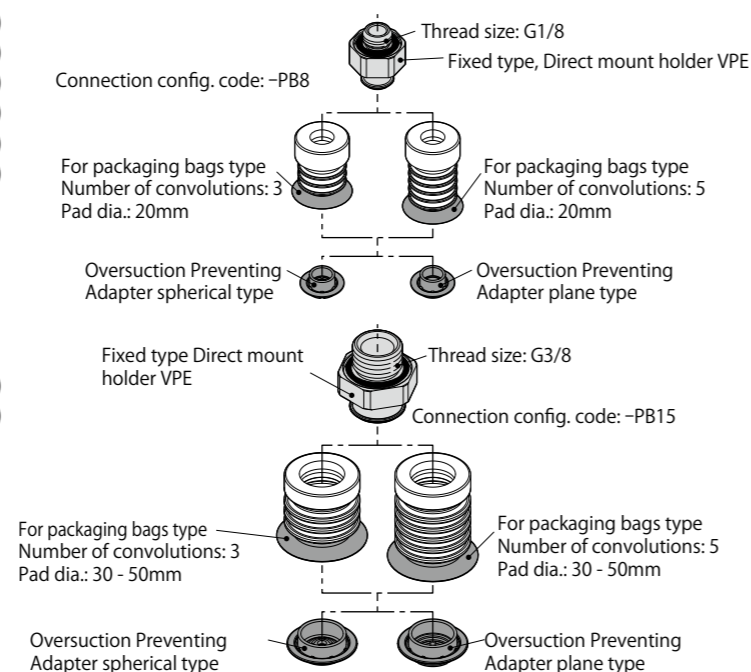
*Pad holder <-T4> is mountable on Vacuum Pad <-T4>. The same goes for Pad holder <-T8> and Vacuum pad <-T8>; Pad holder <-M4> and Vacuum Pad (with mounting screw) <-M4>; and Pad holder <-M6> and Vacuum Pad (with mounting screw) <-M6>.

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)
- ⑰: Oversuction Preventing Adapter (Pad dia.: 20mm, spherical type)
- ⑱: 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	⑮
	For packaging bags type (ø20mm, Silicone [Lip hardness: 40°, Bellows convolutions: 5])	-PB8 (*1) VP20PBS45	PISCO	6	⑯
	For packaging bags type (ø30mm, Silicone [Lip hardness: 40°, Bellows convolutions: 3])	VP30PBS43	PISCO	6	⑰
	For packaging bags type (ø30mm, Silicone [Lip hardness: 20°, Bellows convolutions: 5])	VP30PBS25	PISCO	6	⑱
	For packaging bags type (ø40mm, Silicone [Lip hardness: 20°, Bellows convolutions: 3])	-PB15 (*1) VP40PBS23	PISCO	6	⑲
	For packaging bags type (ø40mm, Silicone [Lip hardness: 40°, Bellows convolutions: 5])	-PB15 (*1) VP40PBS45	PISCO	6	⑳
	For packaging bags type (ø50mm, Silicone [Lip hardness: 40°, Bellows convolutions: 3])	VP50PBS43	PISCO	6	㉑
Oversuction Preventing adapter	For packaging bags type (ø50mm, Silicone [Lip hardness: 20°, Bellows convolutions: 5])	VP50PBS25	PISCO	6	㉒
	Oversuction Preventing Adapter (Pad dia.: ø20mm, spherical type)	-PB8 (*1) VP20PB-FS	PISCO	12	㉓
	Oversuction Preventing Adapter (Pad dia.: ø20mm, plane type)	-PB8 (*1) VP20PB-FF	PISCO	12	㉔
	Oversuction Preventing Adapter (Pad dia.: ø30mm, spherical type)	VP30PB-FS	PISCO	12	㉕
	Oversuction Preventing Adapter (Pad dia.: ø30mm, plane type)	VP30PB-FF	PISCO	12	㉖
	Oversuction Preventing Adapter (Pad dia.: ø40mm, spherical type)	-PB15 (*1) VP40PB-FS	PISCO	12	㉗
	Oversuction Preventing Adapter (Pad dia.: ø40mm, plane type)	-PB15 (*1) VP40PB-FF	PISCO	12	㉘
Pad holder	Oversuction Preventing Adapter (Pad dia.: ø50mm, spherical type)	VP50PB-FS	PISCO	12	㉙
	Oversuction Preventing Adapter (Pad dia.: ø50mm, plane type)	VP50PB-FF	PISCO	12	㉚
	For fixed type, direct mount type	-PB8 (*1) VPE-PB8-G1	PISCO	6	㉛
Joint holder	For fixed type, direct mount type	-PB15 (*1) VPE-PB15-G3	PISCO	6	㉜
	For VPE-PB8-G1, For VPE-PB15-G1	VPGFS-E-G1-8J	PISCO	6	㉝
	For VPE-PB15-G3	VPGFS-E-G3-8J	PISCO	6	㉞
Green Frame S	Pad remover (tool to uninstall vacuum pads) (*2)	VPOJ-PB0815	PISCO	1	㉟
	Vacuum Generator, Solenoid valve direct mount straight type [Large-flow type]	VSL15-802	PISCO	1	㊱
	Vacuum Generator, Solenoid valve direct mount straight type [High-vacuum at low air pressure supply type]	VSE15-802	PISCO	1	㊲
	Push-in fitting for air piping, female straight type	PCF8-02	PISCO	2	㊳
	Push-in fitting for air piping, Union Tee type	PE8	PISCO	6	㊴
	Length: 300mm	GFF-400 ℓ=300	SUS	6	㊵
	Length: 250mm	GFF-400 ℓ=250	SUS	4	㊶
	Length: 200mm	GFF-400 ℓ=200	SUS	6	㊷
	Length: 150mm	GFF-400 ℓ=150	SUS	4	㊸
	Length: 100mm	GFF-400 ℓ=100	SUS	6	㊹
	SS Slot, Length: 300mm	GFF-401 ℓ=300	SUS	2	㊺
	SS Slot, Length: 200mm	GFF-401 ℓ=200	SUS	2	㊻
	SS Slot, Length: 100mm	GFF-401 ℓ=100	SUS	2	㊼
	Multi Connector S Outer	GFJ-018	SUS	6	㊽
	Cross Connector S	GFJ-B55	SUS	12	㊾
Inner Cap S	GFA-403	SUS	8	㊿	
SS Slot Inner Cap S	GFA-408	SUS	4	㊻	
ST Nut SS M5	SFN-TX5	SUS	8	㊼	
Pull C	SFA-304	SUS	2	㊽	
Hexagon socket countersunk head screw	SFB-502	SUS	4	㊾	

*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 **-MD** **-M4M6** **-4**

Holder joint

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.

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	Mount	Insert	Screw	VPMB	VPB	VPMD	VPD	VPOD	VPHD	VPHDW	VPHE	VPHEW	VPE		

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	VPHD	VPHDW	VPE				

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

Holder joint

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

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

VP **MD** **-M6** **-4** **-6J** **-VPGFS**

Vacuum Pad

With Holder joint

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)

②. Pad connection type

Code	-H3	-T4	-T8	-T15	-T40	-M4	-M6		
Connection type	Insert	Mount	Screw			M4x0.7	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	VPE					

④. Joint type, port size

Joint type	Push-in fitting (Tube O.D. [mm])	Barb fitting (Tube O.D. [mm])	Metric female thread								
Code	-18J	-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		

Pad holder with Holder joint

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

VP **E** **-PB8** **-G1**

Vacuum Pad

Pad holder

①. Pad holder type

E : Fixed type Direct mount

②. Pad connection type

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

③. Joint type, port size

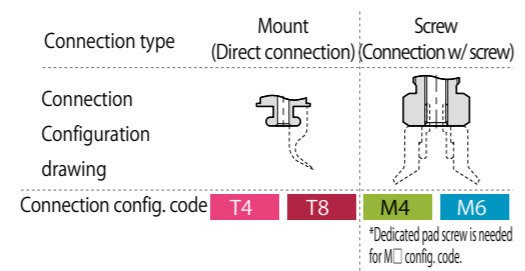
Joint type	Parallel pipe male thread		
Code	-G1	-G2	-G3
Thread size	G1/8	G1/4	G3/8
Config. code	-PB8	-PB15	

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-T4-M3-VPGFS	T8
	VPMB-T4-3J-VPGFS			VPMB-T4-6B-VPGFS			VPMB-T4-M5-VPGFS	M4
	VPMB-T4-4J-VPGFS			VPMB-T8-3B-VPGFS			VPMB-T4-M6-VPGFS	M6
	VPMB-T8-180J-VPGFS			VPMB-T8-4B-VPGFS			VPMB-T8-3B-VPGFS	T8
	VPMB-T8-2J-VPGFS	VPMB-T8-6B-VPGFS	VPMB-T8-4B-VPGFS	M4				
	VPMB-T8-3J-VPGFS	VPMB-M4-3B-VPGFS	VPMB-T8-6B-VPGFS					
	VPMB-T8-4J-VPGFS	VPMB-M4-4B-VPGFS	VPMB-M4-3B-VPGFS					
	VPMB-M4-180J-VPGFS	VPMB-M4-6B-VPGFS	VPMB-M4-4B-VPGFS					
	VPMB-M4-2J-VPGFS	VPMB-M6-3B-VPGFS	VPMB-M6-4B-VPGFS		M6			
	VPMB-M4-3J-VPGFS	VPMB-M6-4B-VPGFS	VPMB-M6-6B-VPGFS	M6				
	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								

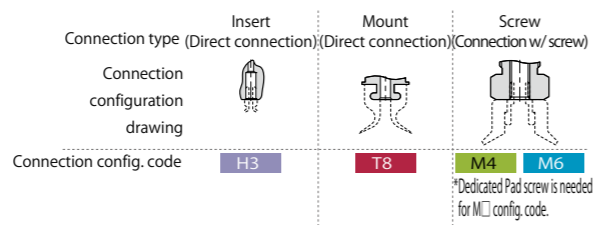
Additional notes on the products
 *The lines colored in indicate the pad holder & holder joint set included in the trial kit as default. Please refer to the table below as the pad holder & holder joint set included in the trial kit varies according to the trial kit type.

Trial kit type	Pad holder + Holder joint set model code		
	VPMB-M4-6J-VPGFS	VPMB-M6-6J-VPGFS	VPB-T8-6J-VPGFS
(Pad holder model code + Holder joint model code)	(VPMB-M4-6J+VPGF-MB-M4M6)	(VPMB-M6-6J+VPGF-MB-M4M6)	(VPB-T8-6J+VPGF-B-T8)
Standard	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Economy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Single	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small dia.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
For packaging bags	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

● 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.



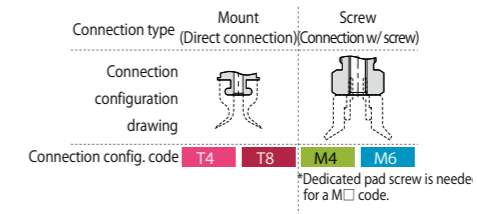
● Fixed type/ Side port/ Standard holder (VPB) + Holder joint for VPB set

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-H3-M5-VPGFS	T8
	VPB-H3-3J-VPGFS			VPB-H3-6B-VPGFS			VPB-M4-M6-VPGFS	M4
	VPB-H3-4J-VPGFS			VPB-T8-3B-VPGFS			VPB-M6-M6-VPGFS	M6
	VPB-T8-180J-VPGFS			VPB-T8-4B-VPGFS				
	VPB-T8-2J-VPGFS	VPB-T8-6B-VPGFS	M4					
	VPB-T8-3J-VPGFS	VPB-M4-4B-VPGFS						
	VPB-T8-4J-VPGFS	VPB-M4-6B-VPGFS						
	VPB-T8-6J-VPGFS	VPB-M6-4B-VPGFS						
	VPB-M4-3J-VPGFS	VPB-M6-6B-VPGFS		M6				
	VPB-M4-4J-VPGFS		M6					
	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 VPMD 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
	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			VPMD-T8-2-3B-VPGFS			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	M4					
	VPMD-T8-2-3J-VPGFS	VPMD-M4-4-4B-VPGFS						
	VPMD-T8-2-4J-VPGFS	VPMD-M4-4-6B-VPGFS						
	VPMD-M4-4-180J-VPGFS	VPMD-M6-4-3B-VPGFS						
	VPMD-M4-4-2J-VPGFS	VPMD-M6-4-4B-VPGFS		M6				
	VPMD-M4-4-3J-VPGFS	VPMD-M6-4-6B-VPGFS	M6					
	VPMD-M4-4-4J-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.

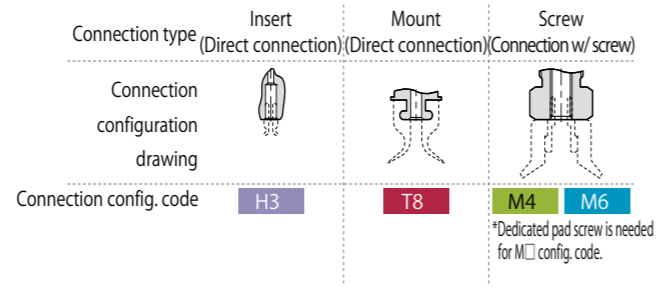
Trial kit type	Pad holder + Holder joint set model code				
	VPMD-T4-2-4J-VPGFS	VPMD-T8-2-4J-VPGFS	VPMD-M4-4-4J-VPGFS	VPMD-M4-4-6J-VPGFS	VPMD-M6-4-6J-VPGFS
(Pad holder model code + Holder joint model code)	(VPMD-T4-2-4J+VPGFS-MD-T4T8-2)	(VPMD-T8-2-4J+VPGFS-MD-T4T8-2)	(VPMD-M4-4-4J+VPGFS-MD-M4M6-4)	(VPMD-M4-4-6J+VPGFS-MD-M4M6-4)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

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/>).


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	M4	
	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		
	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					
	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			T8		
	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					

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● 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	M5
	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	
	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	
	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			VPD-M6-6-M6-VPGFS	
	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-M4-6-6B-VPGFS				
	VPD-M4-10-4B-VPGFS			M4	
	VPD-M4-10-6B-VPGFS				
	VPD-M4-15-4B-VPGFS				
	VPD-M4-20-4B-VPGFS				
	VPD-M4-20-6B-VPGFS				
	VPD-M6-6-4B-VPGFS				
	VPD-M6-6-6B-VPGFS				
	VPD-M6-10-4B-VPGFS			M6	
	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

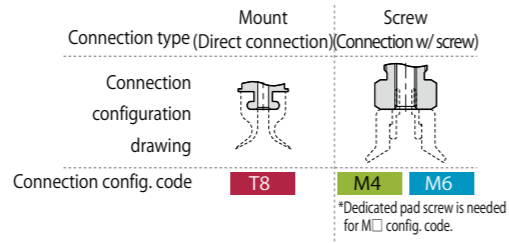
*The lines colored in indicate the pad holder & holder joint set included in the trial kit as default. Please refer to the table below as the pad holder & holder joint set included in the trial kit varies according to the trial kit type.

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	M6	50

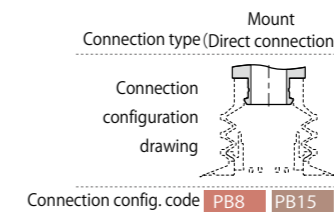


● Spring type/ Side port/ No cover holder (VPOD) + Holder joint for VPOD set


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-T8-20-3J-VPGFS	T8		VPOD-T8-20-4B-VPGFS	T8		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-T8-50-4B-VPGFS			VPOD-M4-40-M6-VPGFS	
	VPOD-T8-40-4J-VPGFS			VPOD-T8-50-6B-VPGFS			VPOD-M4-50-M6-VPGFS	
	VPOD-T8-40-6J-VPGFS			VPOD-M4-20-4B-VPGFS			VPOD-M6-20-M6-VPGFS	
	VPOD-T8-50-3J-VPGFS			VPOD-M4-20-6B-VPGFS			VPOD-M6-30-M6-VPGFS	
	VPOD-T8-50-4J-VPGFS			VPOD-M4-30-4B-VPGFS			VPOD-M6-40-M6-VPGFS	
	VPOD-T8-50-6J-VPGFS			VPOD-M4-30-6B-VPGFS			VPOD-M6-50-M6-VPGFS	
	VPOD-M4-20-3J-VPGFS			VPOD-M4-40-4B-VPGFS				
	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							
	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								


● 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	
	VPGFS-E-G2-4J	PB15
	VPGFS-E-G2-6J	
	VPGFS-E-G2-8J	
	VPGFS-E-G3-4J	PB15
	VPGFS-E-G3-6J	
	VPGFS-E-G3-8J	

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	○	○	○	○

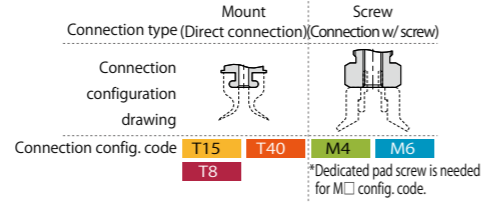
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Information on Holder joint, Pad holder with holder drawing (Spring type holder)

● 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	VPHD-T15-5-180J-VPGFS	T15	 VPHD	VPHD-T15-5-38-VPGFS	T15	 VPHD	VPHD-T15-5-M5-VPGFS	T15	
	VPHD-T15-5-2J-VPGFS			VPHD-T15-5-48-VPGFS			T40	VPHD-T40-5-M5-VPGFS	T40
	VPHD-T15-5-3J-VPGFS			VPHD-T15-5-68-VPGFS			T40	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			VPHD-T40-5-68-VPGFS					
	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	T8						
	VPHD-T40-5-6J-VPGFS	VPHD-M4-5-38-VPGFS	M4						
	VPHD-T8-5-180J-VPGFS	VPHD-M4-5-48-VPGFS							
	VPHD-T8-5-2J-VPGFS	VPHD-M4-5-68-VPGFS							
	VPHD-T8-5-3J-VPGFS	VPHD-M6-5-38-VPGFS		M6					
	VPHD-T8-5-4J-VPGFS	VPHD-T8-5-48-VPGFS							
	VPHD-T8-5-6J-VPGFS	VPHD-T8-5-68-VPGFS							
	VPHD-M4-5-180J-VPGFS								
	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								
	VPHD-M6-5-2J-VPGFS								
	VPHD-M6-5-3J-VPGFS								
	VPHD-M6-5-4J-VPGFS								
VPHD-M6-5-6J-VPGFS									


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

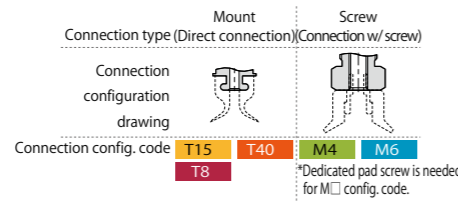
Joint type: Push-in fitting			Joint type: Barb fitting			Joint type: Female thread			
Holder type	Model code	Config. code	Holder type	Model code	Config. code	Holder type	Model code	Config. code	
 VPHDW	VPHDW-T15-5-180J-VPGFS	T15	 VPHDW	VPHDW-T15-5-38-VPGFS	T15	 VPHDW	VPHDW-T15-5-M5-VPGFS	T15	
	VPHDW-T15-5-2J-VPGFS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

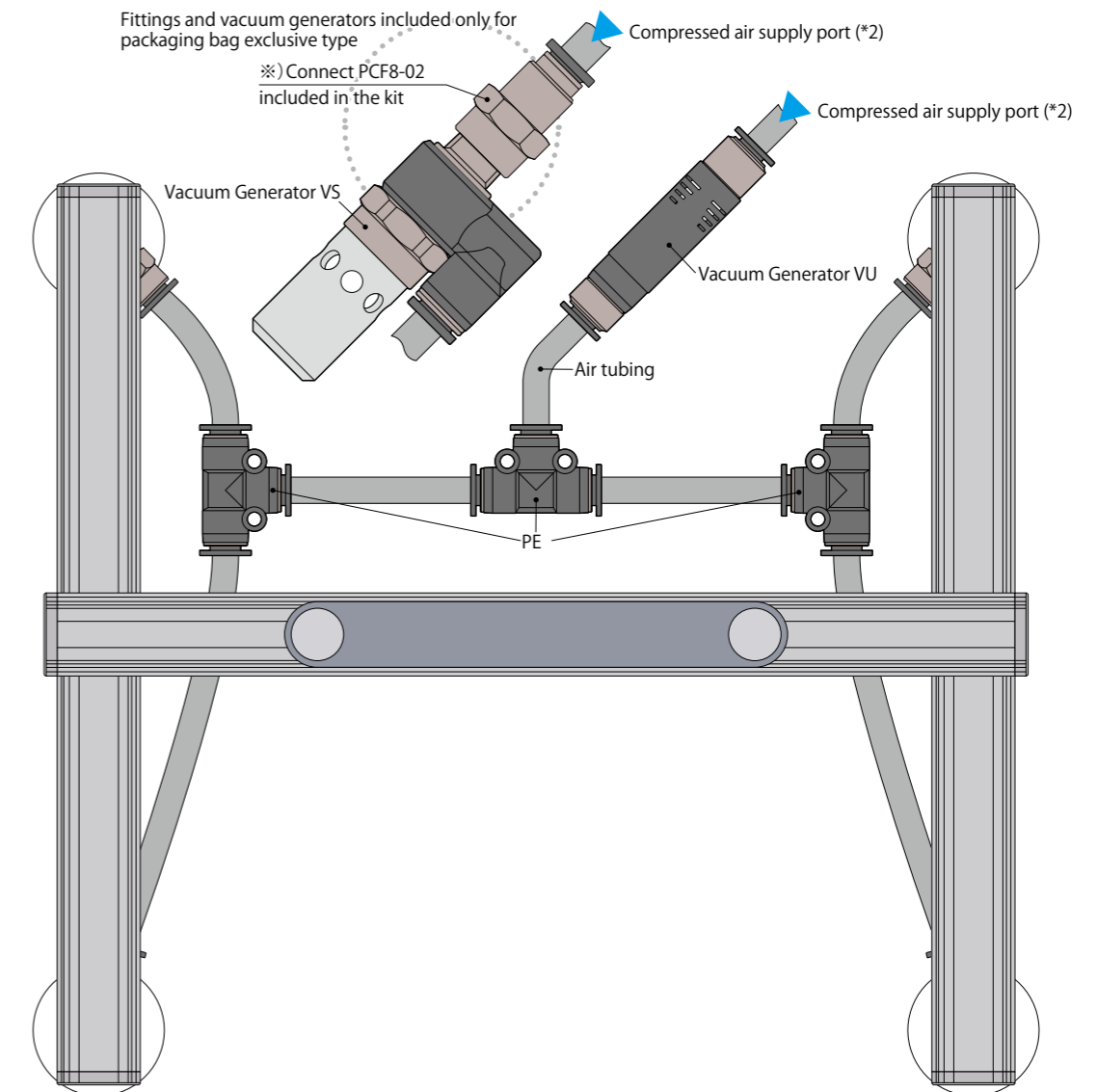
● Fixed type/ Dual side port Holder (VPHEW) + Holder joint for VPHEW set (Connection config. code T15 and T40 are for soft bellows type)

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	VPHEW-T15-180J-VPGFS	T15	 VPHEW	VPHEW-T15-3B-VPGFS	T15	 VPHEW	VPHEW-T15-M5-VPGFS	T15
	VPHEW-T15-2J-VPGFS			VPHEW-T15-4B-VPGFS			T40	
	VPHEW-T15-3J-VPGFS			VPHEW-T15-6B-VPGFS			T8	
	VPHEW-T15-4J-VPGFS			VPHEW-T40-3B-VPGFS			T40	
	VPHEW-T15-6J-VPGFS			VPHEW-T40-4B-VPGFS			T8	
	VPHEW-T40-180J-VPGFS	T40		VPHEW-T40-3B-VPGFS	T40		VPHEW-T40-M5-VPGFS	M4
	VPHEW-T40-2J-VPGFS			VPHEW-T40-6B-VPGFS			M6	
	VPHEW-T40-3J-VPGFS			VPHEW-T8-3B-VPGFS			T8	
	VPHEW-T40-4J-VPGFS			VPHEW-T8-4B-VPGFS			M4	
	VPHEW-T40-6J-VPGFS			VPHEW-T8-6B-VPGFS			M6	
	VPHEW-T8-180J-VPGFS	T8		VPHEW-M4-3B-VPGFS	M4		VPHEW-M4-4B-VPGFS	M6
	VPHEW-T8-2J-VPGFS			VPHEW-M4-6B-VPGFS				
	VPHEW-T8-3J-VPGFS			VPHEW-M6-3B-VPGFS				
	VPHEW-T8-4J-VPGFS			VPHEW-M6-4B-VPGFS				
	VPHEW-T8-6J-VPGFS			VPHEW-M6-6B-VPGFS				
	VPHEW-M4-180J-VPGFS	M4		VPHEW-M4-180J-VPGFS	M4		VPHEW-M6-180J-VPGFS	M6
	VPHEW-M4-2J-VPGFS			VPHEW-M4-2J-VPGFS				
	VPHEW-M4-3J-VPGFS			VPHEW-M4-3J-VPGFS				
	VPHEW-M4-4J-VPGFS			VPHEW-M4-4J-VPGFS				
	VPHEW-M4-6J-VPGFS			VPHEW-M4-6J-VPGFS				
VPHEW-M6-180J-VPGFS	M6	VPHEW-M6-180J-VPGFS	M6	VPHEW-M6-180J-VPGFS	M6			
VPHEW-M6-2J-VPGFS		VPHEW-M6-2J-VPGFS						
VPHEW-M6-3J-VPGFS		VPHEW-M6-3J-VPGFS						
VPHEW-M6-4J-VPGFS		VPHEW-M6-4J-VPGFS						
VPHEW-M6-6J-VPGFS		VPHEW-M6-6J-VPGFS						

■ 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.



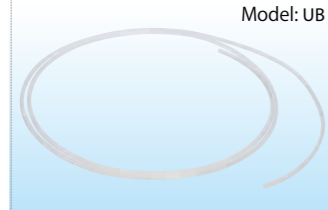
*1 Air tubing illustrated in the above diagram is not included in the kit. Please prepare it on your own.

(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



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

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

Regulator push-lock type w/ press. gauge



■ 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
	Economy
RVUMP8-8	Single
	For packaging bags

Ball valve



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

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

Hand valve



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

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

i 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
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.

