

Mounting Flange HS for EOAT

Flange for mounting one vacuum pad/gripper



PISCO®

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Model designation of vacuum pad mounting type (Example)

HS (1) **P** (2) - **VPM** (3) - **M6** (4) **C** (5)

(1) Mounting Flange HS for EOAT

(2) Mounting type

P: Vacuum pad

(3) Flange type

Code	Flange type	Pad Selection Guideline
VPM	Fixed type	Choose from pad & screw set (For Vacuum pad for packaging bags, choose from VPE holder & pad set)
VPF	For spring type holder	Choose from VPF holder & pad set
VPLFC	For spring type low dust emission holder	Choose from VPLFC holder (female thread type) & pad set

* As pads and pad holders are not included, please order separately. See the table below for details.

(4) Flange thread size

Flange type	Fixed type		For spring type holder	For spring type low dust emission holder	
Code	M4	M6	M14	M10	M14
Thread size	M4×0.7	M6×1	M14×1	M10×1	M14×1

(5) Requirement of rotary positioning

Code	Requirement of rotary positioning
C	Rotational positioning is required for mounting on a robot with a P.C.D. of 31.5 M5 flange
No code	Rotational positioning is not required

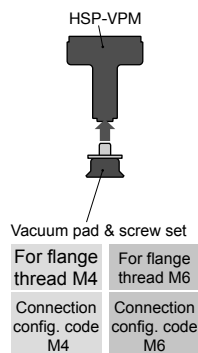
Mountable vacuum pad

■ For VPM type

Flange type	Flange thread size code	Mountable vacuum pad
VPM	M4	Pad & screw set
	M6	M6(*2)

*1. Vacuum pads of the size and shape matching the pad connection configuration code listed in the table above can be selected. For details of pad connection configuration code, see page 368.

*2. For vacuum pad for packaging bag, select a holder code: VPE and vacuum outlet size code: M6.

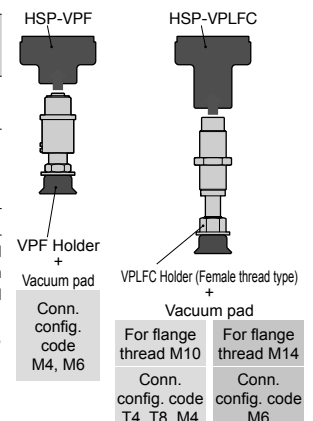


■ For VPF, VPLFC type

Flange type	Flange thread size code	Pad holder type	Code	Pad connection config. code
VPF	M14	Spring type	VPF	M4, M6
VPLFC	M10	Spring type low dust emission type *2	VPLFC	T4, T8, M4
	M14			M6

*1. Vacuum pads of the size and shape matching the pad connection configuration code of the holders listed in the table above can be selected. For details of pad connection configuration code, see page 368.

*2. For the spring type low dust emission type (VPLFC), choose the female threaded type for vacuum joint type.



Model designation of gripper attachment type (Example)

HS (1) **C** (2) - **CHM11** (3) **C** (4)

(1) Mounting Flange HS for EOAT

(2) Mounting type

C: Gripper

(3) Flange type

Code	Mountable gripper type	Gripper selection guideline
CHB18	Parallel Gripper Multi-acting type	Choose from grippers with a body thickness of 23.6 mm (CHB18) without the center port
CHA10	Parallel Gripper Single-acting type	Choose from grippers with a body thickness of 14 mm (CHA10, CHA10E)
CHT34	Parallel Gripper with 3-finger	Select CHT34-D.
CHT44	Parallel Gripper with 3-finger	Select CHT44-D.
CHM11	Angular Gripper Series	Select from shank type with a cylinder diameter of 11 mm (CHM11)

* Gripper is not included. Please order separately.

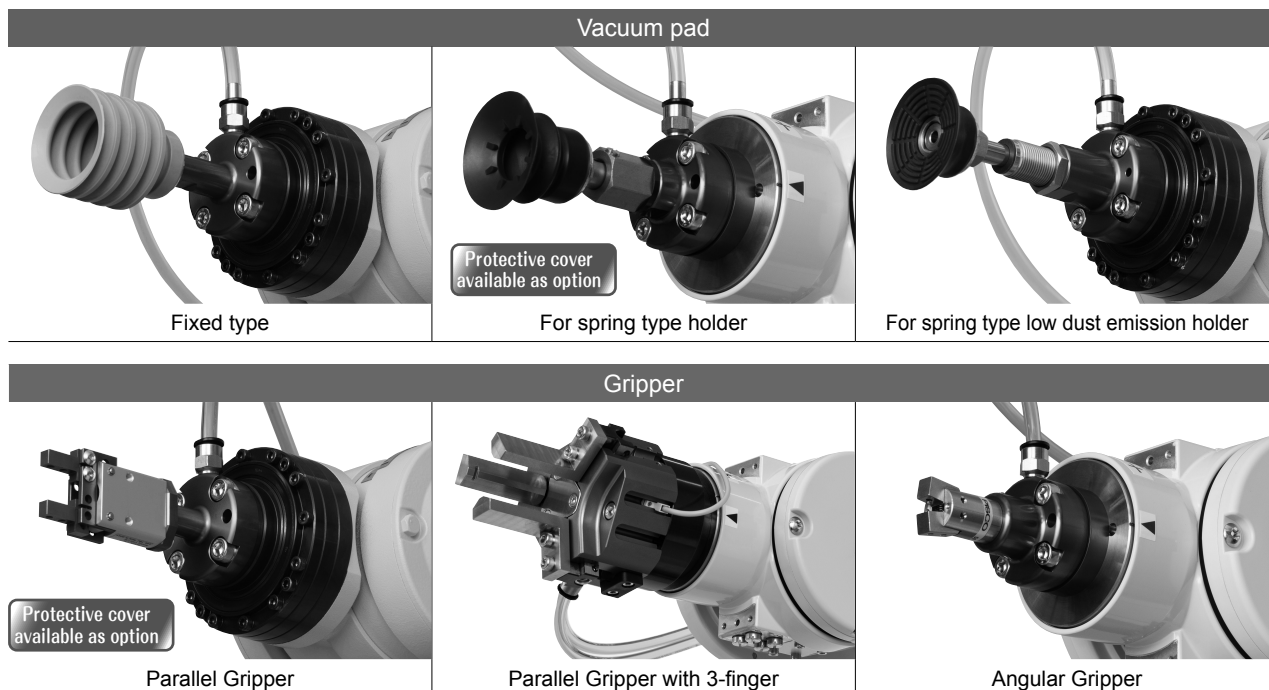
(4) Requirement of rotational positioning (No code for Parallel Gripper with 3-finger)

Code	Requirement of rotary positioning
C	Rotational positioning is required for mounting on a robot with a P.C.D. of 31.5 M5 flange
No code	Rotational positioning is not required

Mounting Flange HS for EOAT

Characteristics

Flange for attaching one vacuum pad/gripper.

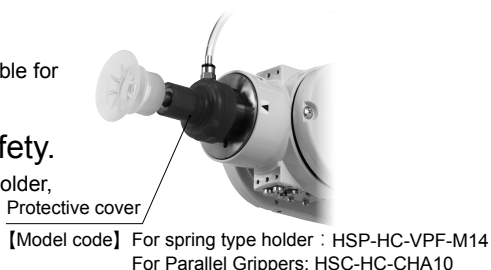


Direct mounting on P.C.D. 31.5 M5

Robot Flange P.C.D Conversion Attachments are available for each robot manufacturer.

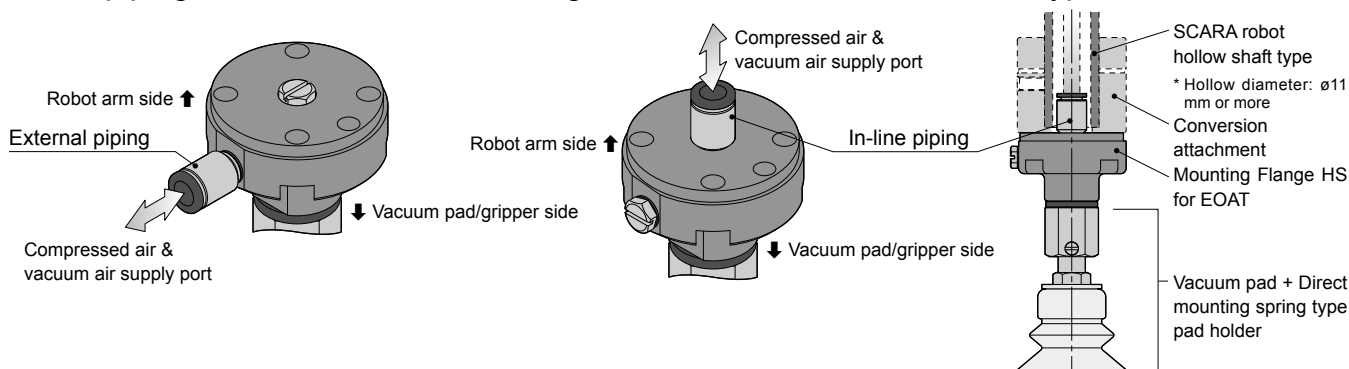
Protective covers are available for safety.

Available for two types of flanges: For spring type pad holder, and for Parallel Gripper Single-acting type.



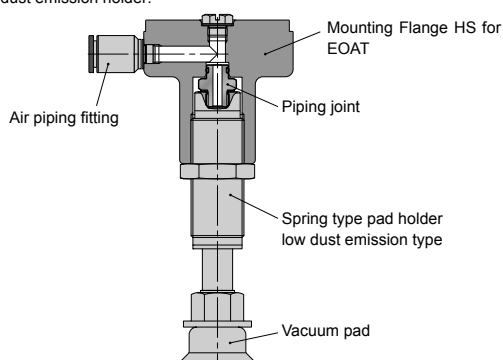
Each flange has two different directional piping ports as standard. * Except for Parallel Gripper with 3-finger.

In-line piping is available when mounting on a SCARA robot hollow shaft type.

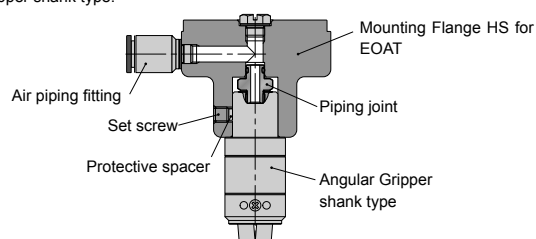


Sectional drawing

For Spring type low dust emission holder:
HSP-VPLFC

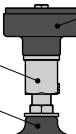
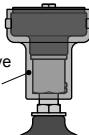
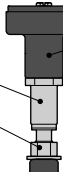


For Angular Gripper shank type:
HSC-CHM

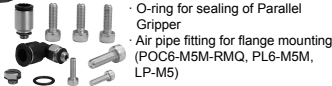
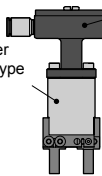
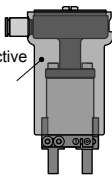
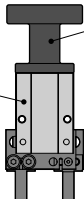
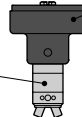


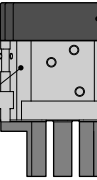
RoHS2 (2011/65/EU+EU2015/863) compliant

Flange for mounting Vacuum pad

Type	Model code	Type	Model code	Type	Type	Model code	
Fixed type HSP 	HSP-VPM-M4	For spring type holder HSP 	HSP-VPF-M14	Protective cover for spring type holder HSP 	For spring type low dust emission holder HSP 	HSP-VPLFC-M10	
	HSP-VPM-M4C		HSP-VPF-M14C			HSP-VPLFC-M10C	
	HSP-VPM-M6	Protective cover is available				HSP-VPLFC-M14	
	HSP-VPM-M6C	Accessories · Robot flange fixing screws · Air pipe fitting for flange mounting (POC6-M5M-RMQ, PL6-M5M, LP-M5) · O-ring for sealing in use of EOAT Direct Mountable Material Handling Vacuum Generator VYR (sold separately)				HSP-VPLFC-M14C	
 Vacuum pad		 VPF Holder Vacuum pad		 Protective cover		 VPLFC holder Vacuum pad	

Flange for mounting Gripper

Type	Model code	Type	Type	Model code	Type	Model code
For Parallel Gripper Single-acting type HSC 	HSC-CHA10 HSC-CHA10C	Protective cover for Parallel Gripper Single-acting type HSC 	For Parallel Gripper Multi-acting type HSC 	HSC-CHB18 HSC-CHB18C	For Angular Gripper shank type HSC 	HSC-CHM11 HSC-CHM11C
Protective cover is available Accessories · Robot flange fixing screws · Parallel Gripper fixing screw · O-ring for sealing of Parallel Gripper · Air pipe fitting for flange mounting (POC6-M5M-RMQ, PL6-M5M, LP-M5) 		Model code HSC-HC-CHA10	Accessories · Robot flange fixing screws · Parallel Gripper fixing screw 		Accessories · Robot flange fixing screws · Air pipe fitting for flange mounting (POC6-M5M-RMQ, PL6-M5M, LP-M5) · Set screw for fixing Angular Gripper · Protective spacer for set screw · Piping joint 	
 Parallel Gripper Single-acting type Mounting Flange HS for EOAT		 Protective cover		 For Parallel Gripper Multi-acting type Mounting Flange HS for EOAT		 Angular Gripper Shank type Mounting Flange HS for EOAT

Type	Model code
For Parallel Grippers with 3-finger HSC 	HSC-CHT34
	HSC-CHT44
Accessories · Robot flange fixing screws · Parallel Gripper with 3-finger fixing screw	
 Parallel Gripper with 3-finger	

Related Products

	EOAT Direct Mountable Material Handling Vacuum Generator VYR ▶ P.768
	Robot Flange P.C.D Conversion Attachment ▶ P.770



Notes

* Both in-line and external piping can be installed with the supplied fittings.



CAD data is available at PISCO website.