







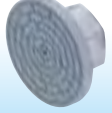






Vacuum Cylinder

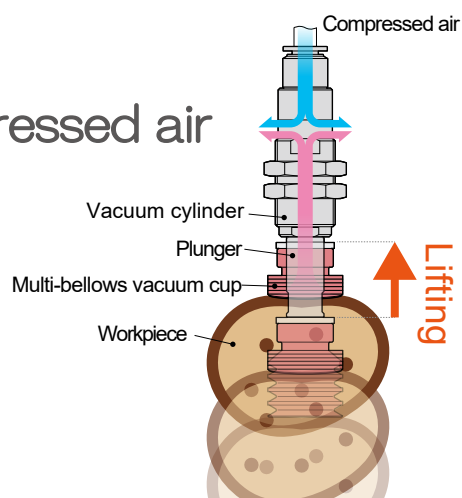
Now various vacuum cups can be installed on Vacuum Cylinder
M4 and M6 female threaded connecting hole



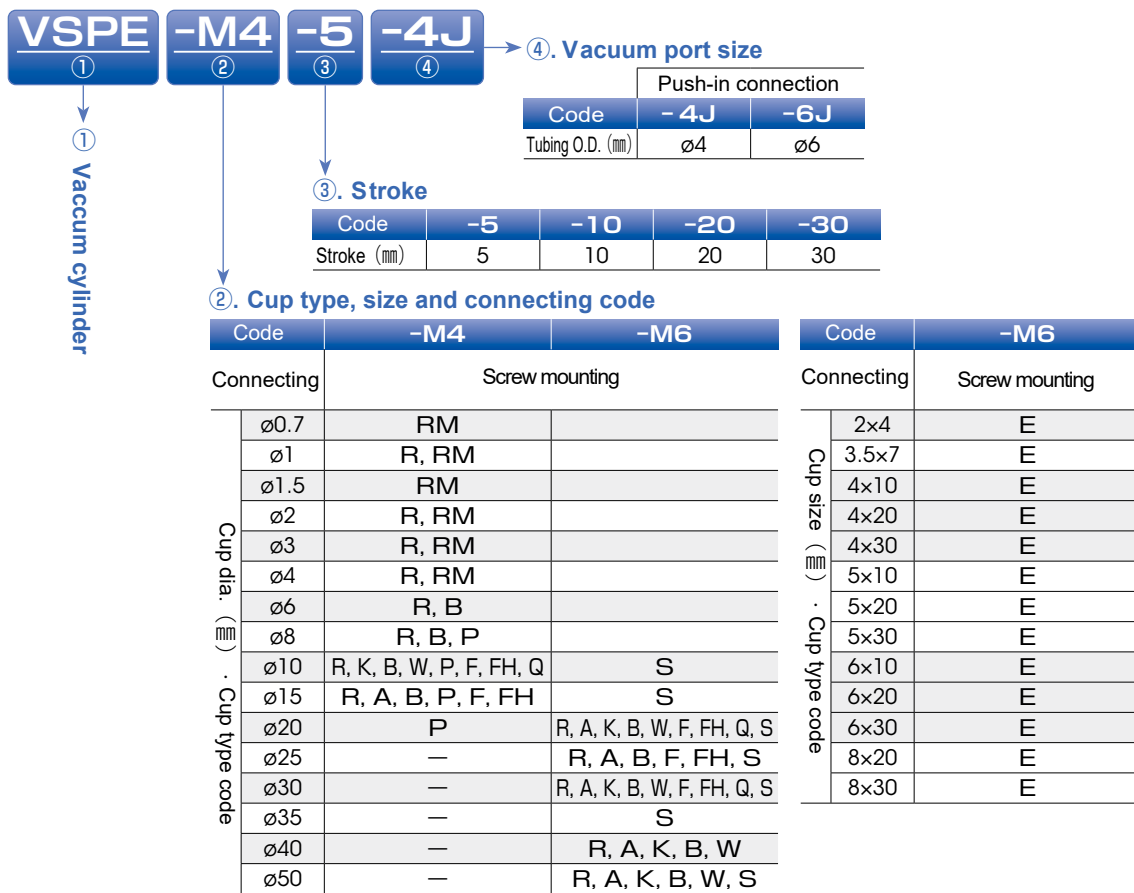
■ $\varnothing 0.7 \sim \varnothing 50$ mm dia. of the following vacuum cups can be installed on the vacuum cylinder

Cup type	Standard			Skidproof	Bellows	Multi-bellows
	Plane	Spheric	Miniature			
						
Cup dia. (mm)	$\varnothing 1 \sim \varnothing 50$	$\varnothing 15 \sim \varnothing 50$	$\varnothing 0.7 \sim \varnothing 4$	$\varnothing 10 \sim \varnothing 50$	$\varnothing 6 \sim \varnothing 50$	$\varnothing 10 \sim \varnothing 50$
Soft bellows	Extra thin object	Flat	Flat high flow	Mark-free	Sponge	Oval
						
$\varnothing 6 \sim \varnothing 20$	$\varnothing 8 \sim \varnothing 20$	$\varnothing 10 \sim \varnothing 30$	$\varnothing 10 \sim \varnothing 30$	$\varnothing 10 \sim \varnothing 30$	$\varnothing 10 \sim \varnothing 50$	$2 \times 4 \sim 8 \times 30$

Self-retracting lifter run by compressed air



Model Designation (Example) for Vacuum Cylinder body alone



Note) Each Cup type code means;
 R: Standard plane, A: Standard spheric, RM: Standard miniature, K: Skidproof, B: Bellows, W: Multi-bellows,
 P: Thin object, F: Flat, FH: High flow flat, Q: Mark-free, S: Sponge, E: Oval

Figure out what combination you need

⚠ Detailed Safety Instructions

Before using PISCO products, be sure to read "Safety Instructions" and "Safety Instruction Manual" and "Common Safety Instructions for Vacuum Pad".

Warning

1. Minimize the load on ejector and shaft parts from the transverse direction. Vacuum cylinder may be damaged.
2. Avoid any tensile strength and twisting force on the fitting part. Vacuum cylinder may be damaged.
3. When installing bulkhead part, refer to the recommended tightening torque in "Common Safety Instructions for Vacuum Pads". Make sure that there is no looseness of the screw.

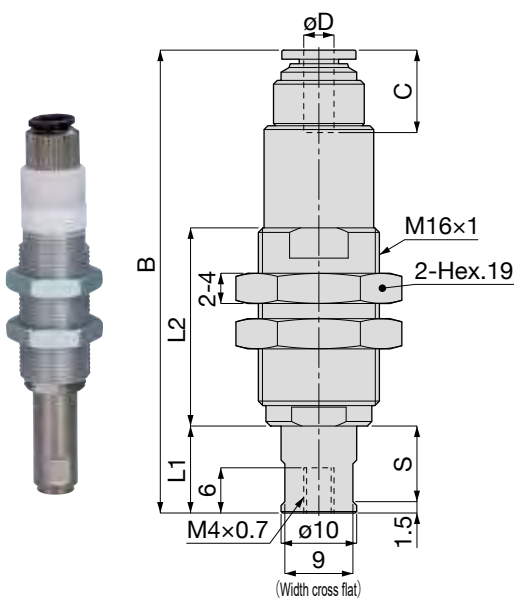
Caution

1. Silencer element is not replaceable.
2. Refer to "Common Safety Instructions for Vacuum Series" for handling the ejector and vacuum pads.

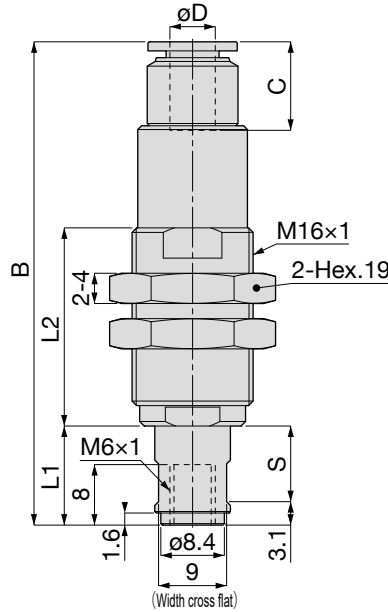
Dimensions

VSPE Vacuum cylinder alone

VSPE-M4³₄



VSPE-M6³₄



Unit : mm

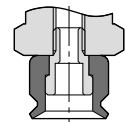
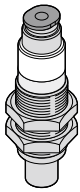
Model	Tubing dia. øD	B	L1	L2	Tube end C	Stroke S	Weight (g)	Price (\$)	Cup connecting code
VSPE-M4-5-4J	4	51.2	6.5	21.2	10.9	5	31	36.36	-M4
VSPE-M4-5-6J	6	52.3			11.7				
VSPE-M4-10-4J	4	61.2	11.5	26.2	10.9	10	34		
VSPE-M4-10-6J	6	62.3			11.7				
VSPE-M4-20-4J	4	81.2	21.5	36.2	10.9	20	39		
VSPE-M4-20-6J	6	82.3			11.7		38		
VSPE-M4-30-4J	4	101.2	31.5	46.2	10.9	30	43		
VSPE-M4-30-6J	6	102.3			11.7		39.09		
VSPE-M6-5-4J	4	52.8	8.1	21.2	10.9	5	31	-M6	
VSPE-M6-5-6J	6	53.9			11.7		36.36		
VSPE-M6-10-4J	4	62.8	13.1	26.2	10.9	10	34		
VSPE-M6-10-6J	6	63.9			11.7		33		37.27
VSPE-M6-20-4J	4	82.8	23.1	36.2	10.9	20	39		
VSPE-M6-20-6J	6	83.9			11.7		38		38.18
VSPE-M6-30-4J	4	102.8	33.1	46.2	10.9	30	43		
VSPE-M6-30-6J	6	103.9			11.7		39.09		

Vacuum cylinder model and applicable cups

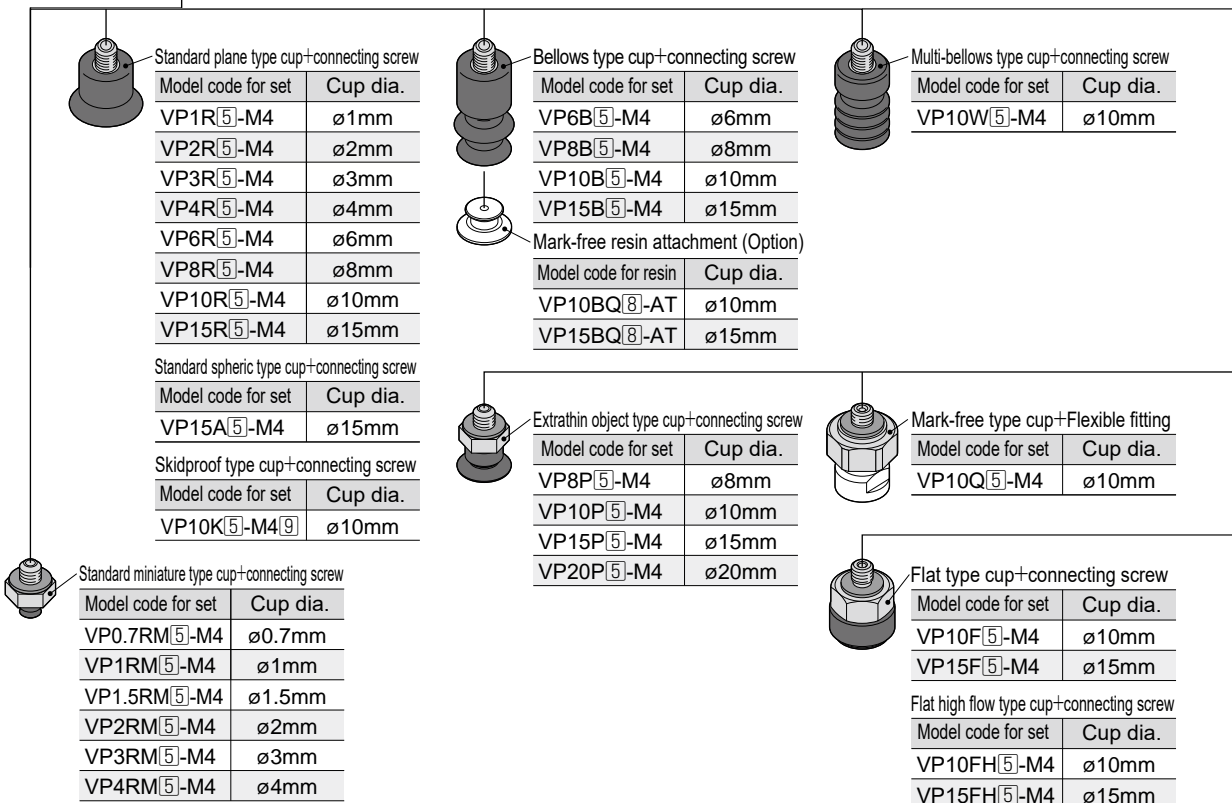
● Cup dia.: $\varnothing 0.7$, $\varnothing 1$, $\varnothing 1.5$, $\varnothing 2$, $\varnothing 3$, $\varnothing 4$, $\varnothing 6$, $\varnothing 8$, $\varnothing 10$, $\varnothing 15$ and ($\varnothing 20$ mm of Thin object type)

Cup connecting code **-M4**

VSPE-M4 3 4



M4 Screw mounting

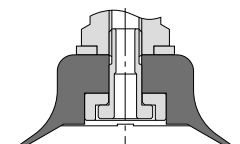
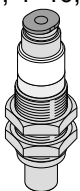


● Cup dia. : ($\varnothing 10$, $\varnothing 15$ for Sponge type), $\varnothing 20$, $\varnothing 25$, $\varnothing 30$, $\varnothing 40$, $\varnothing 50$ mm

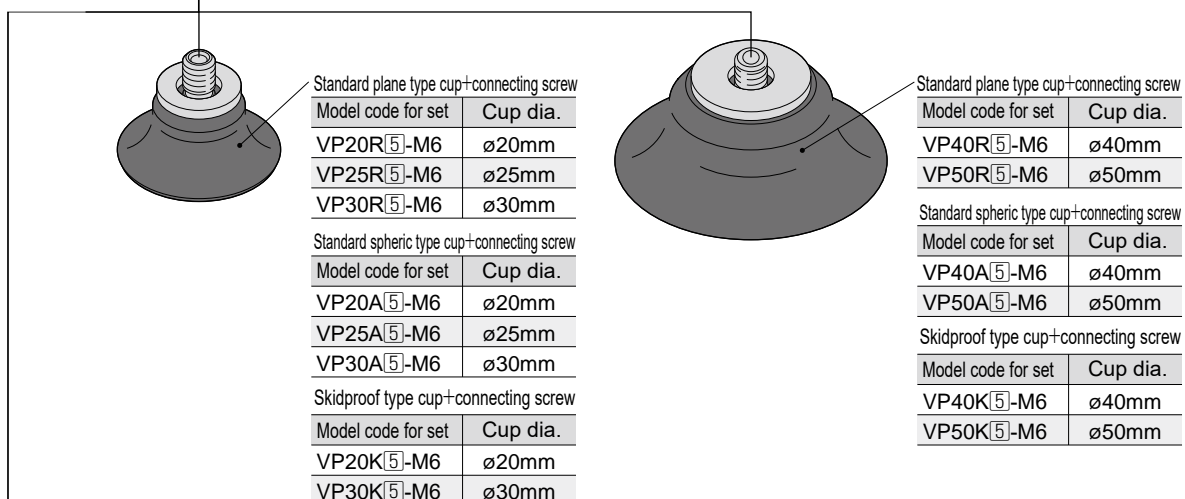
Oval: 2×4, 3.5×7, 4×10, 4×20, 4×30, 5×10, 5×20, 5×30, 6×10, 6×20, 6×30, 8×20, 8×30mm

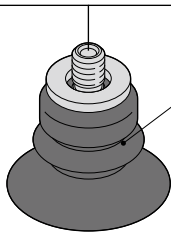
Cup connecting code **-M6**

VSPE-M6 3 4



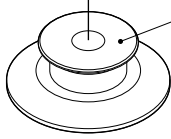
M6 Screw mounting





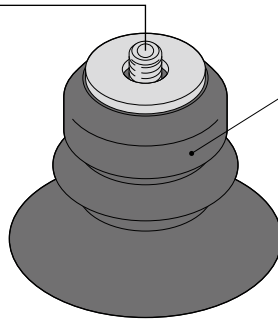
Bellows type cup+connecting screw

Model code for set	Cup dia.
VP20B[5]-M6	ø20mm
VP25B[5]-M6	ø25mm
VP30B[5]-M6	ø30mm



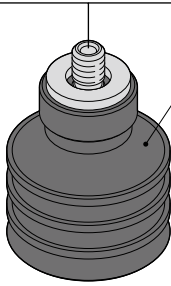
Mark-free resin attachment (Option)

Model code for resin	Cup dia.
VP20BQ[8]-AT	ø20mm
VP25BQ[8]-AT	ø25mm
VP30BQ[8]-AT	ø30mm



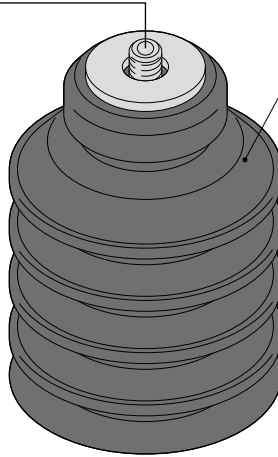
Bellows type cup+connecting screw

Model code for set	Cup dia.
VP40B[5]-M6	ø40mm
VP50B[5]-M6	ø50mm



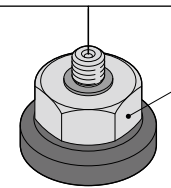
Multi-bellows type cup+connecting screw

Model code for set	Cup dia.
VP20W[5]-M6	ø20mm
VP30W[5]-M6	ø30mm



Multi-bellows type cup+connecting screw

Model code for set	Cup dia.
VP40W[5]-M6	ø40mm
VP50W[5]-M6	ø50mm

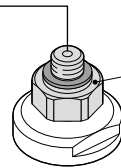


Flat type cup+connecting screw

Model code for set	Cup dia.
VP20F[5]-M6	ø20mm
VP25F[5]-M6	ø25mm
VP30F[5]-M6	ø30mm

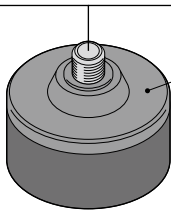
Flat high flow type cup+connecting screw

Model code for set	Cup dia.
VP20FH[5]-M6	ø20mm
VP25FH[5]-M6	ø25mm
VP30FH[5]-M6	ø30mm



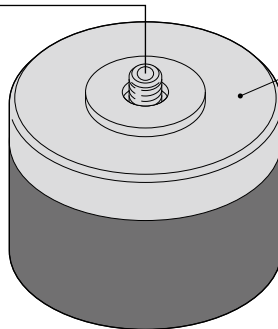
Mark-free type cup+Flexible fitting

Model code for set	Cup dia.
VP20Q[5]-M6	ø20mm
VP30Q[5]-M6	ø30mm



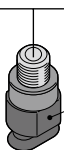
Sponge type cup+Frame with screw

Model code for set	Cup dia.
VP10S[5]-M6	ø10mm
VP15S[5]-M6	ø15mm
VP20S[5]-M6	ø20mm
VP25S[5]-M6	ø25mm
VP30S[5]-M6	ø30mm



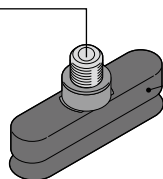
Sponge type cup+Frame with screw

Model code for set	Cup dia.
VP35S[5]-M6	ø35mm
VP50S[5]-M6	ø50mm



Oval type cup+connecting screw

Model code for set	Cup size
VP2×4E[5]-M6	2×4mm
VP3.5×7E[5]-M6	3.5×7mm
VP4×10E[5]-M6	4×10mm
VP5×10E[5]-M6	5×10mm
VP6×10E[5]-M6	6×10mm



Oval type cup+connecting screw

Model code for set	Cup size
VP4×20E[5]-M6	4×20mm
VP4×30E[5]-M6	4×30mm
VP5×20E[5]-M6	5×20mm
VP5×30E[5]-M6	5×30mm
VP6×20E[5]-M6	6×20mm
VP6×30E[5]-M6	6×30mm
VP8×20E[5]-M6	8×20mm
VP8×30E[5]-M6	8×30mm