

Precise suction plate PVP Series

P4 compliant as standard

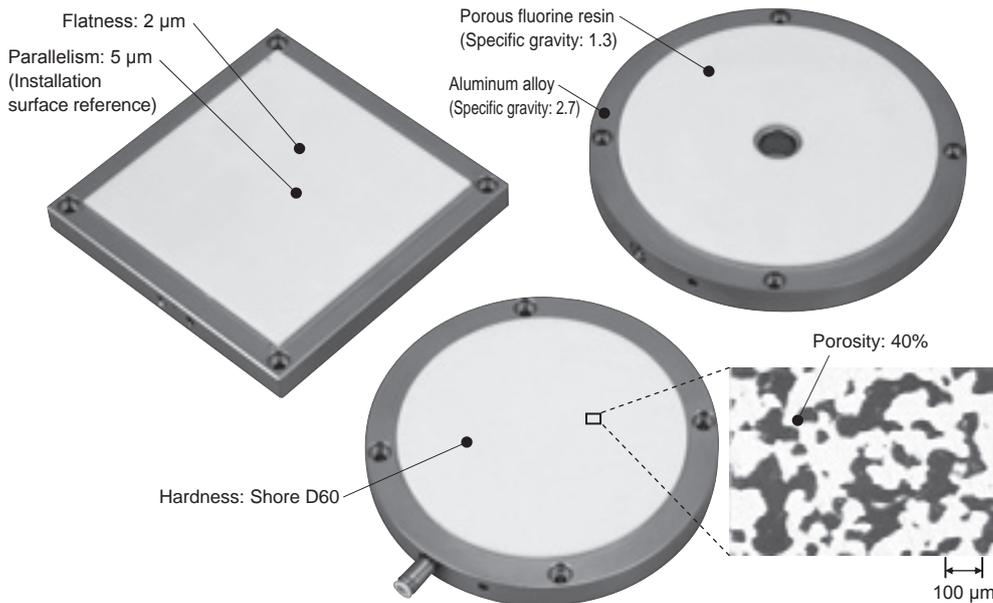


Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

Specifications

Descriptions		PVP-R-36-18 PVP-C-50 PVP-S-50-50	PVP-R-85-27 PVP-R-118-18 PVP-C-75 PVP-C-100 PVP-C-113 PVP-C-138 PVP-S-100-100	PVP-C-187 PVP-S-150-150 PVP-S-200-250
Product	Suction surface	Flatness	2	3
	$\mu\text{m} (*1)$	Parallelism	5	10
	Flatness of reference surface	μm	10	10
	Air leakage volume	l/min(ANR)	0.4	0.6
	Vacuum differential pressure	kPa (*2)	40 or more	
	Working pressure	MPa	0.2 or less (clean air)	
	Ambient temperature	$^{\circ}\text{C}$	5 to 40	
Porous material	Ambient humidity	%RH (*3)	65 or less	
	Material		Polychlorotrifluoroethylene resin	
	Porosity	%	40 \pm 5	
Base material	Shore D hardness degree	$^{\circ}$	60 \pm 15	
	Material		Corrosion-resistant aluminum alloy	
Surface-treated		(*4)	No	

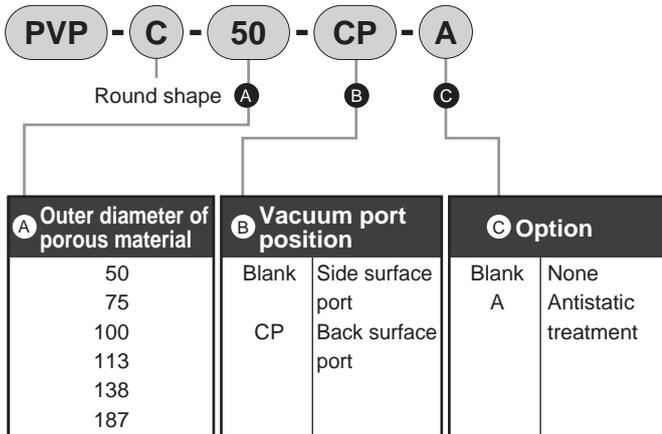
- *1: This accuracy is the measurement value left as is for 24 hours in the constant temperature room at 23°C. Accuracy may deviate from that specified at a temperature other than 23°C. The value is measured by placing the product without load on a table, measuring straightness in two or more directions and using the maximum value. This is not the usual flatness measurement method, but has been used because multi-porous material has indentations.
- *2: Indicates vacuum source pressure drop when a workpiece is suctioned with the entire multi-porous surface.
- *3: In humidity exceeding 65% RH, suction surface accuracy may deviate from the specified value.
- *4: This product's body is made of corrosion-resistant aluminum alloy. Surface treatment (alumite, electroless nickel plating, etc.) is made to order.



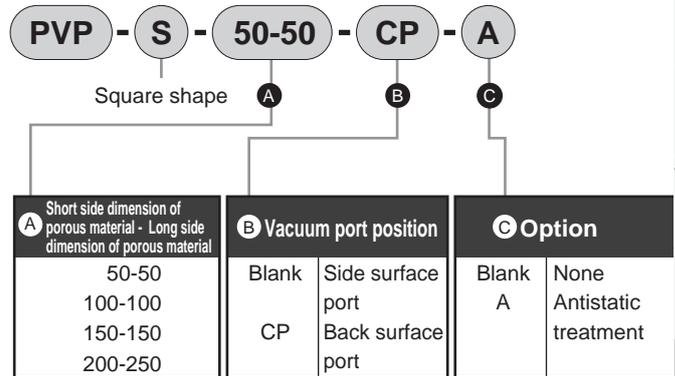
How to order

P4
Series

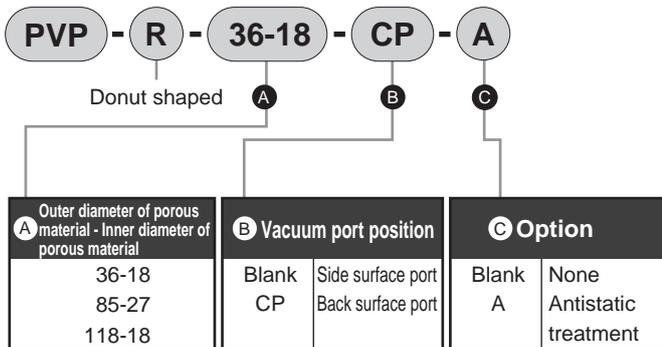
● How to order the round suction plate



● How to order the square suction plate



● How to order the donut shaped suction plate



Suction area/weight table

Model No.	Suction area (cm ²)	Weight (g)
PVP-R-36-18	8	80
PVP-R-85-27	51	290
PVP-R-118-18	107	520
PVP-C-50	20	140
PVP-C-75	44	250
PVP-C-100	79	390
PVP-C-113	100	490
PVP-C-138	149	680
PVP-C-187	275	1,170
PVP-S-50-50	25	160
PVP-S-100-100	100	490
PVP-S-150-150	225	980
PVP-S-200-250	500	2,030

Compatibility table by variation

	PVP
P4	Standard compliance

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. □: Not applicable

Pneumatic actuator
Pneumatic cylinders
Hand/Chuck
Related products
Cylinder Switch
Vacuum components
Pneumatic valves
Clean air components
Speed controller
Fitting
Auxiliary valve
Pneumatic auxiliary components
Silencer
Tube
Gas generator
Fluid control components
Electric actuator
Motor specifications
Motorless specifications