

For High Purity Chemicals

Semicon Cupla

SP Type

For semiconductor manufacturing production installation

Working pressure



0.2 MPa
(2 kgf/cm²)

Valve structure



Two-way shut-off

Applicable fluids



High purity chemicals

Water

Gas

Air



General purpose type with stainless steel body and rubber seal.
Electro-polished body for enhanced corrosion resistance.

- Body and valve springs are stainless steel (SUS304, SUS316). Body is electro-polished for enhanced corrosion resistance.
- Seal materials can be selected to suit your fluid and application, to flexibly comply with your semiconductor production process requirements.
- Abundant size variations allow choice to suit your application and flow rate.
- Each plug comes with a dust cap.

Specifications

Body material	Electropolished stainless steel (SUS304, 316)			
Size	1/8" • 1/4" • 3/8" • 1/2" • 3/4" • 1"			
Working pressure MPa (kgf/cm ²)	0.2 (2)			
Pressure resistance MPa (kgf/cm ²)	0.3 (3)			
Seal material Working temperature range	Seal material	Mark	Working temperature range	Remarks
	Fluoro rubber	FKM (X-100)	0°C~+50°C	Standard material
	Ethylene-propylene rubber	EPDM (EPT)	0°C~+50°C	Standard material
	Perfluoroelastomer	P	0°C~+50°C	Standard material
	Kalrez	KL	0°C~+50°C	Standard material

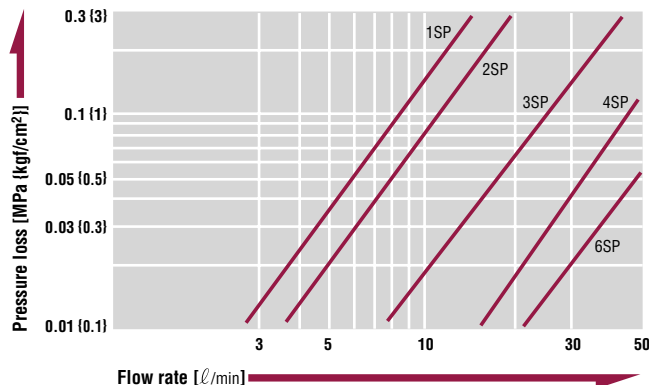
Min. Cross-Sectional Area

(mm²)

Model	1SP	2SP	3SP	4SP	6SP	8SP
Min. Cross-Sectional Area	13	17	48	64	83	192

Flow Rate – Pressure Loss Characteristics

[Test conditions] • Fluid : water • Temperature : 20°C ± 5°C



Models and Dimensions

WAF : WAF stands for width across flats.

Model	Container capacity	Mass (g)	Dimensions (mm)			
			Lp	C	Hp(WAF)	T(Female thread)
1P-304	for 10ℓ~20ℓ	19	29	19	*Hex.14	Rc 1/8
1P-304-UNS	for 10ℓ~20ℓ	34	33	19	Hex.21	19/32-18UNS
1P-304-NPT	for 10ℓ~20ℓ	19	29	19	*Hex.14	NPT 1/8
2P-304	for 10ℓ~20ℓ	35	36	22	*Hex.17	Rc 1/4
2P-304-UNS	for 10ℓ~20ℓ	41	36	22	Hex.21	19/32-18UNS
2P-304-NPT	for 10ℓ~20ℓ	35	36	22	*Hex.17	NPT 1/4
3P-304	for 100ℓ~200ℓ	60	40	25	*Hex.21	Rc 3/8
4P-304	for 100ℓ~200ℓ	115	44	28	*Hex.29	Rc 1/2
6P-304	for 100ℓ~200ℓ	216	52	36	*Hex.35	Rc 3/4
8P-304	for 100ℓ~200ℓ	352	62	40	*Hex.41	Rc 1

* May have 2 spanner flat design instead of hex nut depending on packing material.

* The appearance of SUS304 and 316 bodies are different. (Above shown is that of SUS304.)

Model	Container capacity	Mass (g)	Dimensions (mm)			
			Ls	φD	Hs(WAF)	T(Female thread)
1S-304	for 10ℓ~20ℓ	82	48	24	Two flats 14	Rc 1/8
1S-304-NPT	for 10ℓ~20ℓ	84	48	24	Two flats 14	NPT 1/8
2S-304	for 10ℓ~20ℓ	138	58	28	Two flats 19	Rc 1/4
2S-304-NPT	for 10ℓ~20ℓ	138	58	28	Two flats 19	NPT 1/4
3S-304	for 100ℓ~200ℓ	204	65	35	Two flats 21	Rc 3/8
4S-304	for 100ℓ~200ℓ	424	72	45	Two flats 29	Rc 1/2
6S-304	for 100ℓ~200ℓ	708	88	55	Two flats 35	Rc 3/4
8S-304	for 100ℓ~200ℓ	1081	102	65	Two flats 41	Rc 1

Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.