

# For High Purity Chemicals

# Semicon Cupla

## SP Type

For semiconductor manufacturing production installation

<b>Working pressure</b>  0.2 MPa (2 kgf/cm <sup>2</sup> )	<b>Valve structure</b>  Two-way shut-off	<b>Applicable fluids</b>  High purity chemicals	 Water	 Gas	 Air
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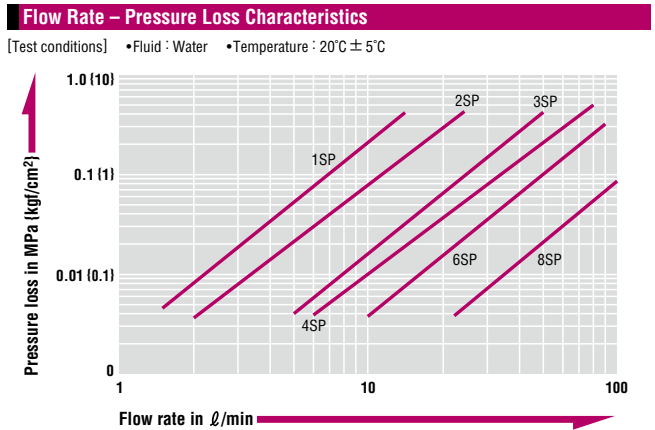
**General purpose type with stainless steel body and rubber seal.**  
**Electro-polished body for enhanced corrosion resistance.**

- 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 <sup>2</sup> )	0.2 {2}		
Pressure resistance MPa (kgf/cm <sup>2</sup> )	0.3 {3}		
Seal material Working temperature range	Seal material	Mark	Working temperature range
	Fluoro rubber	FKM (X-100)	0°C~+50°C
	Ethylene-propylene rubber	EPDM (EPT)	0°C~+50°C
	Perfluoroelastomer	P	0°C~+50°C
	Kalrez	KL	0°C~+50°C
			Remarks
			Standard material
			Standard material
			Standard material

Min. Cross-Sectional Area (mm <sup>2</sup> )						
Model	1SP	2SP	3SP	4SP	6SP	8SP
Min. cross-sectional area	13	17	48	64	83	192



### Models and Dimensions

Plug	Female thread	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-NPT	For 10ℓ~20ℓ					1/8-27NPT	
1P-304-UNS	For 10ℓ~20ℓ	34	33	19	Hex.21	19/32-18UNS	
2P-304	For 10ℓ~20ℓ	35	36	22	*Hex.17	Rc 1/4	
2P-304-NPT	For 10ℓ~20ℓ					1/4-18NPT	
2P-304-UNS	For 10ℓ~20ℓ	41	36	22	Hex.21	19/32-18UNS	
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.)

WAF : WAF stands for width across flat.

Socket	Female thread	Container capacity	Mass (g)	Dimensions (mm)		
				Ls	øD	Hs (WAF)
1S-304	For 10ℓ~20ℓ	82	48	24	14	Rc 1/8
1S-304-NPT	For 10ℓ~20ℓ	84				1/8-27NPT
2S-304	For 10ℓ~20ℓ	138	58	28	19	Rc 1/4
2S-304-NPT	For 10ℓ~20ℓ					1/4-18NPT
3S-304	For 100ℓ~200ℓ	204	65	35	21	Rc 3/8
4S-304	For 100ℓ~200ℓ	424	72	45	29	Rc 1/2
6S-304	For 100ℓ~200ℓ	708	88	55	35	Rc 3/4
8S-304	For 100ℓ~200ℓ	1081	102	65	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.