

Specifications										
Body material		Brass Stainless steel • Steel (Nickel-plate								
Size	1/8" • 1/4" 3/8"	1/2" • 3/4" 1"	1 1/4" 1 1/2"	2"	1/8" • 1/4" 3/8"	1/2" • 3/4" 1"	1 1/4" 1 1/2"	2"		
Working pressure MPa {kgf/cm²}	5.0 {51}	3.0 {31}	2.0 {20}	1.5 {15}	7.5 {76}	4.5 {46}	3.0 {31}	2.0 {20}		
Pressure resistance MPa {kgf/cm²}	7.5 {76}	4.5 {46}	3.0 {31}	2.3 {24}	10.0 (102)	6.5 {66}	4.5 {46}	3.0 {31}		
	Seal material		Mark		Working temperature range		Remarks			
Seal material	Nitrile rubber		NBR (SG)		-20°C~+80°C		- Standard material			
Working temperature range	Fluoro rubber		FKM (X-100)		-20°C~+180°C					
	Perfluoroelastom		F)	0°C~+50°C		Available on request			
		propylene iber	EPDM	(EPT)	-40°C~	+150°C	/ wanabio	Jii roquost		

Max. Tightening Torque N∙m {kgf•cm}											
Size		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
	Steel	9 {92}	14 {143}	22 {224}	60 {612}	90 {918}	120 {1224}	260 {2652}	280 {2856}	500 {5100}	
Torque Si	Brass	5 {51}	9 {92}	12 {122}	30 {306}	50 {510}	65 {663}	150 {1530}	150 {1530}	260 {2652}	
	Stainless steel	9 {92}	14 {143}	22 {224}	60 {612}	90 {918}	120 {1224}	260 {2652}	280 {2856}	500 {5100}	

Flow Direction Fluid may flow in either direction from plug or from socket side when coupled.
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Interchangeability

Different sizes are not interchangeable each other.

Interchangeable with conventional SP Cupla in the same size.	
* Interchangeable with SP-V Cuplas but take heed of flow rate.	

Min. Cross-Sectional Area									
Model	1SP-A	2SP-A	3SP-A	4SP-A	6SP-A	8SP-A	10SP-A	12SP-A	16SP-A
Min. Cross-Sectional Area	14	26	51	73	178	229	395	553	803

Suitability for Vacuum 1.3 x 10 ⁻¹ Pa {1 x 10 ⁻³ mn							
Socket only	Plug only	When connected					
_	ı	Operational					

Admixture of air on connection $(m\ell)$											
Model	1SP-A	2SP-A	3SP-A	4SP-A	6SP-A	8SP-A	10SP-A	12SP-A	16SP-A		
Volume of air admixture	0.6	1.1	2.7	3.9	11	25	29	45	84		

Volume of spillage per disconnection (m										
Model	1SP-A	2SP-A	3SP-A	4SP-A	6SP-A	8SP-A	10SP-A	12SP-A	16SP-A	
Volume of spillage	0.4	0.8	2.1	3.4	9.5	15	29	45	84	

