




For High Purity Chemicals

# Semicon Cupla SCY Type

For semiconductor manufacturing equipment

<p>Working pressure</p>  <p>0.2 MPa (2 kgf/cm<sup>2</sup>)</p>	<p>Valve structure</p>  <p>Two-way shut-off</p>	<p>Applicable fluids</p>  <p>High purity chemicals Water Gas Air</p>
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**Fluorine contained resin packing seal and perfluoroelastomer packing seal are used to reduce required connection load and to achieve tight sealing.**

- The material of body and spring are of stainless steel (SUS304), while that of valve is of fluorine contained resin. The combination shows excellent performance with various types of chemicals.
- Body (SUS304) is electropolished for enhanced corrosion resistance.
- Flanged body makes it easy to operate even with gloves.

### Interchangeability check list (SCS Type • SCY Type)

● indicates connection capability except for made-to-order products.

Plug	SCS Type	Socket							
		SCS Type				SCY Type			
		-1S	-2S	-1S	-2S	-3S	-4S	-6S	-8S
-1P	●		●						
-2P		●		●					
-3P					●				
-4P						●			
-6P								●	
-8P									●

### Specifications

Body material	Electropolished stainless steel (SUS304)			
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 (Socket packing)	Seal material	Mark	Working temperature range	Remarks
Working temperature range	Perfluoroelastomer	P	0°C~+50°C	Standard material
Valve	Fluorine contained resin			

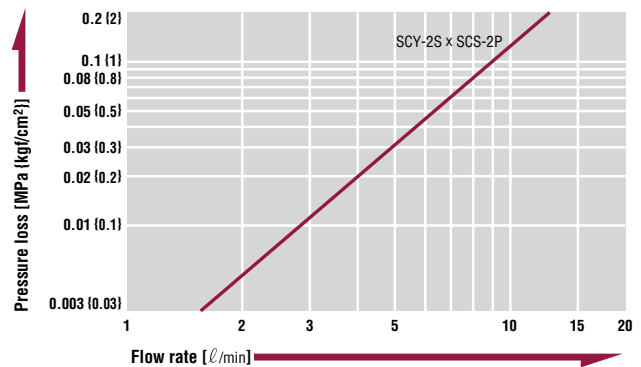
\*If you need other seal material than Perfluoroelastomer, please consult with us.

### Min. Cross-Sectional Area (mm<sup>2</sup>)

Model	SCY-1S	SCY-2S	SCY-3S	SCY-4S	SCY-6S	SCY-8S
Min. Cross-Sectional Area	15	23	28	71	110	162

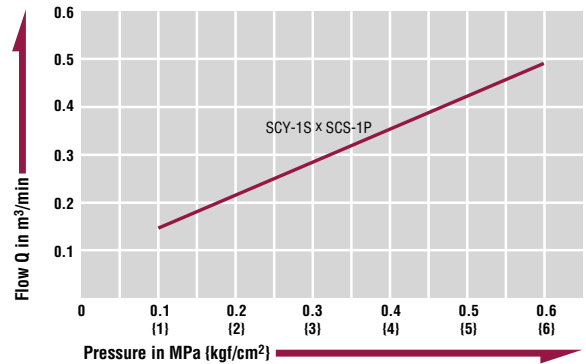
### Flow Rate – Pressure Loss Characteristics

[Test conditions] • Fluid : water • Temperature : 10°C ± 5°C



### Pressure - Flow Characteristics

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



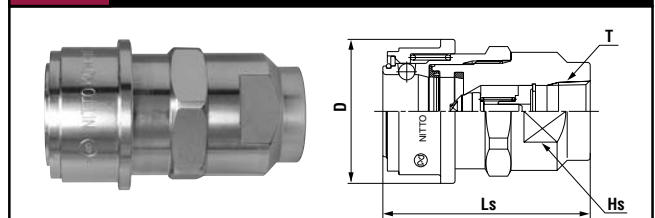
### Interchangeability

Can be connected with plugs of SCS Type of the same size.

### Models and Dimensions

WAF : WAF stands for width across flats.

### Socket Female thread



Model	Container capacity	Mass (g)	Dimensions (mm)			
			Ls	φD	Hs(WAF)	T(Female thread)
SCY-1S	For 10ℓ~20ℓ	116	48	29	Two flats 18	Rc 1/8
SCY-1S-NPT	For 10ℓ~20ℓ	116	48	29	Two flats 18	NPT 1/8
SCY-2S	For 10ℓ~20ℓ	180	58	33	Two flats 22	Rc 1/4
SCY-2S-NPT	For 10ℓ~20ℓ	180	58	33	Two flats 22	NPT 1/4
SCY-3S	For 100ℓ~200ℓ	292	65	39	Two flats 27	Rc 3/8
SCY-4S	For 100ℓ~200ℓ	519	72	50	Two flats 35	Rc 1/2
SCY-6S	For 100ℓ~200ℓ	862	88	59	Two flats 41	Rc 3/4
SCY-8S	For 100ℓ~200ℓ	1360	102	68	Two flats 50	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.