







For High Purity Chemicals

Semicon Cupla

SCY Type

For semiconductor manufacturing equipment

Working pressure	Valve structure	Applicable fluids			
 0.2 MPa (2 kgf/cm ²)	 Two-way shut-off				
		High purity chemicals	Water	Gas	Air

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.
- All components are cleaned, assembled, inspected, and then packed in a clean room.
- Grease free. Grease is not applied to the seal materials.
- Flanged body makes it easy to operate even with gloves.



Specifications					
Body material	Electropolished stainless steel (SUS304)				
Size (Thread)	1/8", 1/4", 3/8", 1/2", 3/4", 1" 1/8-27NPT, 1/4-18NPT				
Pressure unit	MPa	kgf/cm ²	bar	PSI	
Working pressure	0.2	2	2	29	
Seal material Working temperature range	Socket packing seal	Seal material Perfluoroelastomer Fluoropolymer resin	Mark P PTFE (TF)	Working temperature range 0°C to +50°C	Remarks Standard material
	Valve	Fluoropolymer resin (PTFE except 1P and 2P of PFA)			

*If you need a seal material other than perfluoroelastomer, please consult with us.

Max. Tightening Torque Nm {kgf·cm}
See page 124 of Semicon Cupla SCS Type.

Interchangeability
Can be connected with plugs of SCS Type of the same size. See below chart for details.

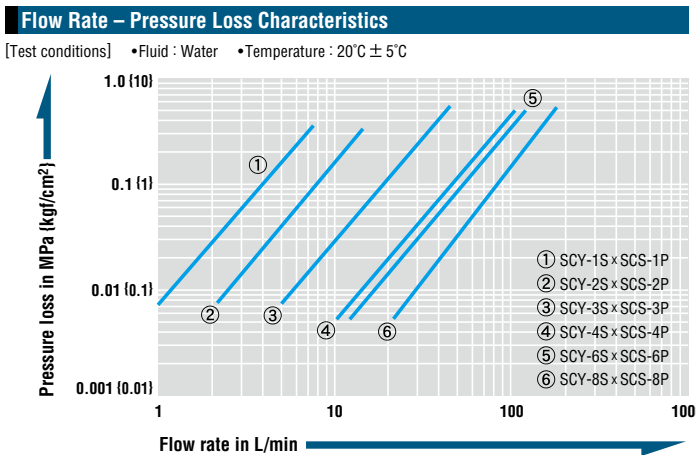
Interchangeability Check List (SCS Type, SCY Type)

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

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

Min. Cross-Sectional Area (mm²)

Model	SCY-1S	SCY-2S	SCY-3S	SCY-4S	SCY-6S	SCY-8S
Min. cross-sectional area	15	23	28	71	110	162



Models and Dimensions WAF : WAF stands for width across flats.

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