

For High Purity Chemicals

Semicon Cupla

SCY Type

For semiconductor manufacturing equipment

Working pressure



0.2 MPa
(2 kgf/cm²)

Valve structure



Two-way shut-off

Applicable fluids



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 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				
Working pressure	MPa	0.2			
	kgf/cm ²	2			
	bar	2			
	PSI	29			
Seal material	Socket packing seal	Perfluoroelastomer Fluoropolymer resin	Mark P PTFE (TF)	Working temperature range 0°C to +50°C	Remarks Standard material
Working temperature range	Valve	Fluoropolymer resin (PTFE except 1P and 2P of PFA)			

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

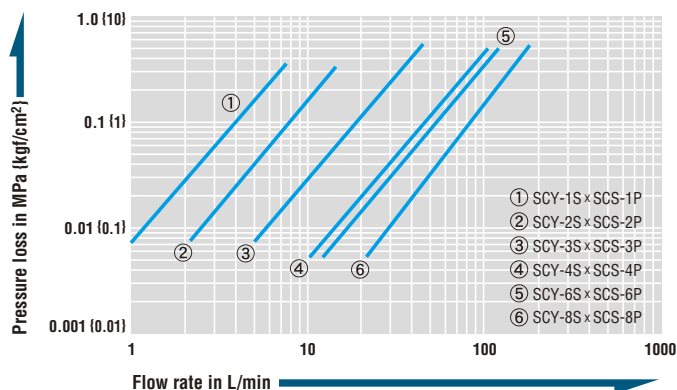
Min. Cross-Sectional Area

(mm²)

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

Flow Rate – Pressure Loss Characteristics

[Test conditions] • Fluid : Water • Temperature : 21°C to 32°C



Interchangeability

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

Interchangeability Check List (SCS Type, SCY Type)

● indicates connection capability except for made-to-order products.									
Plug	SCS Type	Model	SCS Type		Socket				
			-1S	-2S	-1S	-2S	-3S	-4S	-6S
		-1P	●		●				
		-2P		●		●			
		-3P					●		
		-4P					●		
		-6P						●	
		-8P							●

Models and Dimensions

WAF : WAF stands for width across flats.

Socket		Female thread				
Model	Container capacity	Mass (g)	Dimensions (mm)			
SCY-1S	For 10L to 20L	116	L	øD	H(WAF)	T(Female thread)
SCY-1S-NPT	For 10L to 20L		(48)	29	18	Rc 1/8 1/8-27NPT
SCY-2S	For 10L to 20L	180	(58)	33	22	Rc 1/4 1/4-18NPT
SCY-2S-NPT	For 10L to 20L					
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