

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	Seal material	Mark	Working temperature range	Remarks
		Perfluoroelastomer Fluoropolymer resin	P PTFE (TF)		
Working temperature range	Valve	Fluoropolymer resin (PTFE except 1P and 2P of PFA)			

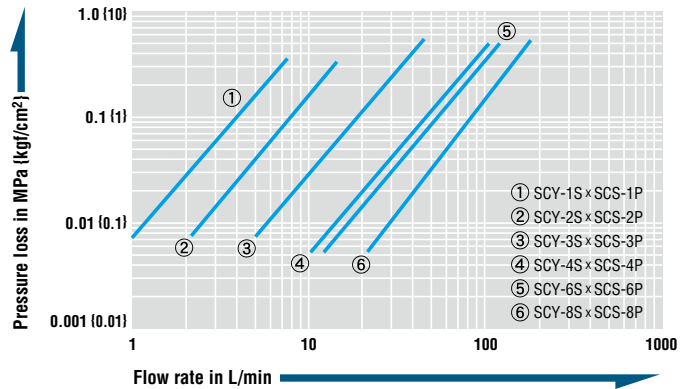
*If you need a seal material other than perfluoroelastomer, please consult with us.

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)

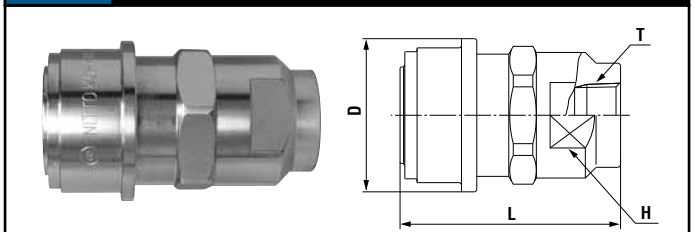
● indicates connection capability except for made-to-order products.

Plug	SCS Type	Socket							
		SCS Type				SCY Type			
		-1S	-2S	-3S	-4S	-6S	-8S		
	-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)			
			L	ØD	H (WAF)	T (Female thread)
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