

For High Purity Chemicals

Semicon Cupla

SCY Type

For semiconductor manufacturing equipment

Working pressure 0.2 MPa (2 kg/cm ²)	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.

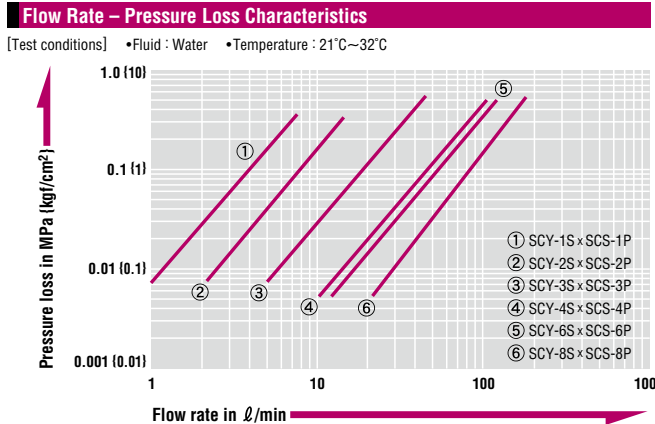
- The material of body and spring are of stainless steel (SUS304), while that of valve is of fluorine contained resin. The combination shows excellent performance with various types of chemicals.
- Body (SUS304) is electropolished for enhanced corrosion resistance.
- Flanged body makes it easy to operate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



Specifications				
Body material	Electropolished stainless steel (SUS304)			
Size	1/8" • 1/4" • 3/8" • 1/2" • 3/4" • 1"			
Working pressure MPa (kg/cm ²)	0.2 (2)			
Pressure resistance MPa (kg/cm ²)	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 ²)						
Model	SCY-1S	SCY-2S	SCY-3S	SCY-4S	SCY-6S	SCY-8S
Min. cross-sectional area	15	23	28	71	110	162



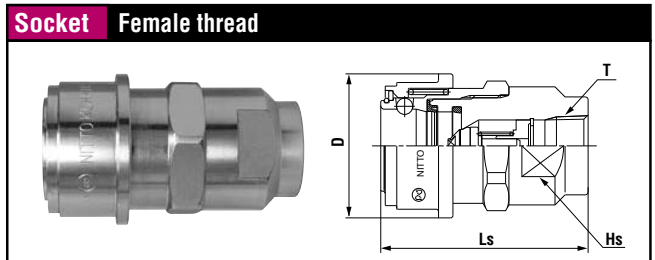
Interchangeability
Can be connected with plugs of SCS Type of the same size.

Interchangeability Check List (SCS Type • SCY Type)

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

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

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



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