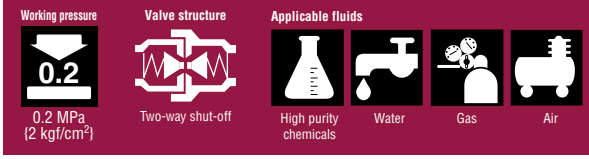
For High Purity Chemicals

Semicon Cupla

SCT Type

For semiconductor production installation using fluororesin pipe lines



Specifications

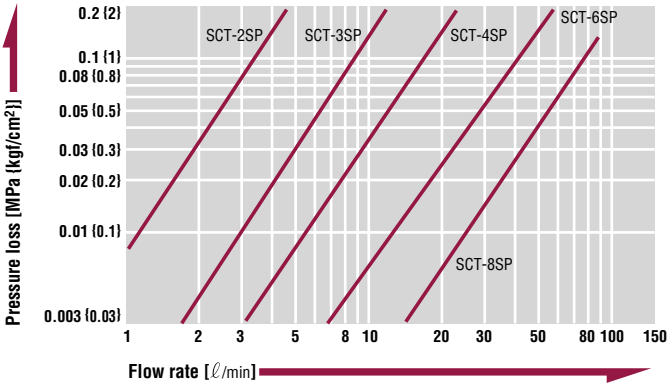
Body material	Polytetrafluoroethylene (PTFE)			
Size	1/4" • 3/8" • 1/2" • 3/4" • 1"			
Working pressure MPa {kgf/cm²}	0.2 {2}			
Pressure resistance MPa {kgf/cm²}	0.3 {3}			
Seal material Working temperature range	**Seal material**	**Mark**	**Working temperature range**	**Remarks**
	FEP-coated Fluoro-rubber	—	+5°C~+50°C	Standard material
Valve	Fluorine contained resin (+5°C~+50°C)			

Min. Cross-Sectional Area (mm²)

Model	SCT-2SP	SCT-3SP	SCT-4SP	SCT-6SP	SCT-8SP
Min. Cross-Sectional Area	12	34	54	103	225

Flow Rate – Pressure Loss Characteristics

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



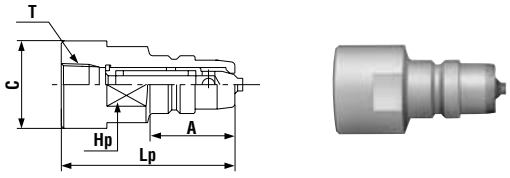
Adopted is polytetrafluoroethylene (PTFE) for the body.

- **Polytetrafluoroethylene (PTFE) body gives excellent resistance to chemicals.**
- **Automatic shut-off valves in both socket and plug prevent fluid outflow from lines on disconnection.**
- **No dissolution of metal ions from part in contact with liquid ensures excellent reliability.**
- **All components are cleaned, assembled, inspected and then packed in a clean room.**
- **Appropriate model can be selected from an abundant variety of sizes to suit your application and fluid.**

Models and Dimensions

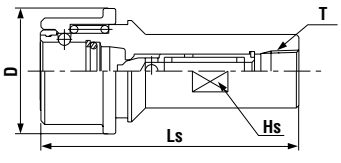
WAF : WAF stands for width across flats.

Plug Female thread



Model	Mass (g)	Dimensions (mm)				
		Lp	A	øC	Hp(WAF)	T(Female thread)
SCT-2P	43	59	30.5	27.5	Two flats 24	Rc 1/4
SCT-3P	77	68.5	33.5	34.5	Two flats 30	Rc 3/8
SCT-4P	91	69.5	37.5	39.5	Two flats 36	Rc 1/2
SCT-6P	160	78.5	45	48	Two flats 41	Rc 3/4
SCT-8P	300	112	60.5	59	Two flats 50	Rc 1

Socket Female thread



Model	Mass (g)	Dimensions (mm)			
		Ls	øD	Hp(WAF)	T(Female thread)
SCT-2S	101	89.5	41	Two flats 19	Rc 1/4
SCT-3S	156	102	49.5	Two flats 24	Rc 3/8
SCT-4S	192	107	54.5	Two flats 30	Rc 1/2
SCT-6S	340	123	68	Two flats 36	Rc 3/4
SCT-8S	770	172.5	82	Two flats 46	Rc 1

* Available end configurations are female ISO Rc thread and female NPT thread.
* Plug or socket with female ISO Rc end configuration has V-groove on the body as identification. (In case of female NPT thread, no V-groove on either plug or socket body.)
* Please inquire for the end configurations other than female thread, such as flanged or male thread.