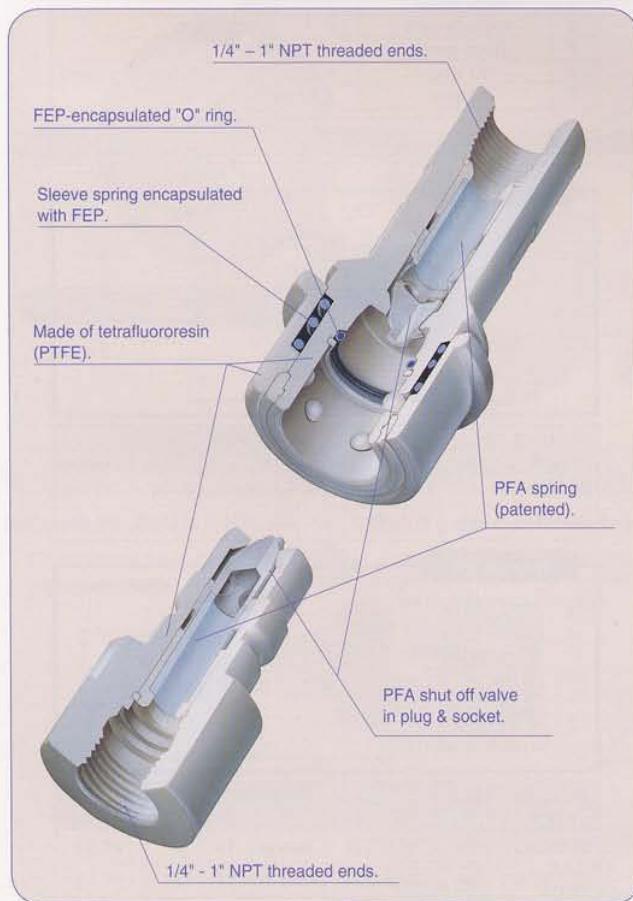


# SCT Standard series

## sct type



**The SCT type is  
made of tetrafluororesin (PTFE).**



### Features

- Its body is made of tetrafluororesin (PTFE). It is therefore outstandingly chemical-resistant.
- Automatic shut-off valve in socket & plug.
- No metallic parts are not used in the flow path.
- All parts are cleaned, inspected, assembled, and packed in a clean room.
- Available with many different sizes.

### Specifications

Body material	Tetrafluororesin (PTFE)	
Size	1/4" • 3/8" • 1/2" • 3/4" • 1"	
Working pressure	0.2 MPa { 2 kgf/cm <sup>2</sup> }	
Pressure resistance	0.3 MPa { 3 kgf/cm <sup>2</sup> }	
Packing material	Socket "O" ring	FEP-encapsulated FKM
Valve		Fluororesin
Working temperature range	+5°C to +50°C	

### Recommended Tightning Procedure

1. Wrap teflon tape around male thread adaptor.
2. Tighten product firm with your hand.
3. Then tighten with wrench as follows.

1 $\frac{3}{4}$ to 2 turns	1/4" • 3/8" • 1/2" • 3/4" • 1" in size
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Note: Overtightening may damage products, resulting in leakage.

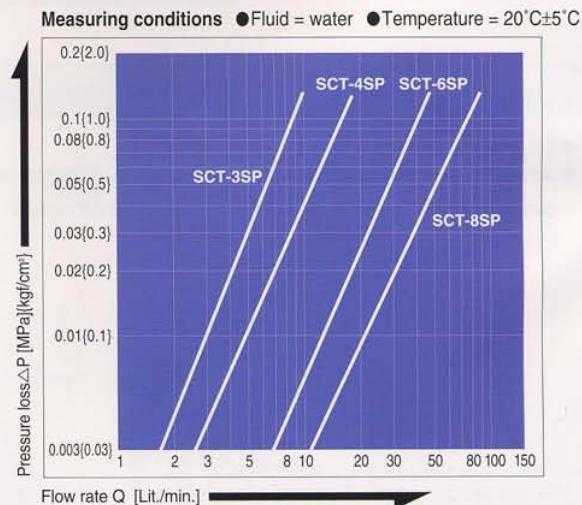
### Interchangeability

Different sizes cannot be connected together.

### Minimum Cross-Sectional Area (mm<sup>2</sup>)

Product code	SCT-2SP	SCT-3SP	SCT-4SP	SCT-6SP	SCT-8SP
Area	12	34	54	103	225

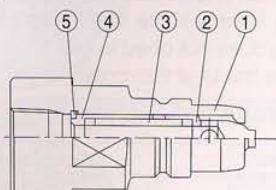
### Flow Rate-Pressure Loss Characteristics





## Parts List

### Plug



Part #	Part name	Q'ty	Material	Remark
1	Plug body	1	PTFE	
2	Valve	1	PFA	
3	Valve spring	1	PFA	
4	Spring holder	1	PTFE	
5	Ring	1	PTFE	

PTFE: Poly tetra fluoro ethylene

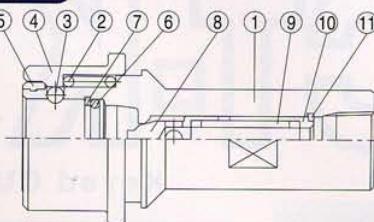
PFA: Tetra fluoro ethylene perfluoro alkyl vinyl ether

SUS304: Stainless steel

FKM: Fluoro-rubber

\*1: The 2S, 3S, 4S, and 6S have six balls. The 8S has ten balls.

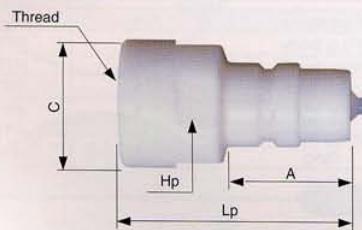
### Socket



Part #	Part name	Q'ty	Material	Remark
1	Socket body	1	PTFE	
2	Sleeve spring	1	SUS304	Encapsulated with FEP
3	Ball	*1	PTFE	
4	Sleeve	1	PTFE	
5	Stopper	1	PTFE	
6	"O" ring	1	FKM	Encapsulated with FEP
7	Backup ring	1	PTFE	
8	Valve	1	PFA	
9	Valve spring	1	PFA	
10	Spring holder	1	PTFE	
11	Ring	1	PTFE	

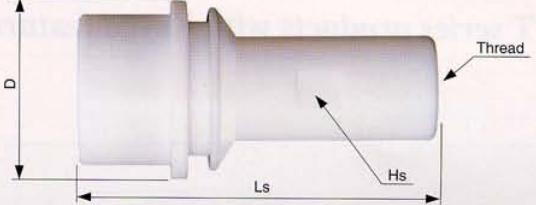
## Product Codes and Dimensions Table

### Plug



Product code	Mass (g)	Dimensions (mm)				
		Lp	A	φ C	Hp	Thread part (female)
SCT-2P	43	59	30.5	27.5	4 Face, 24	NPT 1/4
SCT-3P	77	68.5	34	34.5	4 Face, 30	NPT 3/8
SCT-4P	91	69.5	38	39.5	4 Face, 36	NPT 1/2
SCT-6P	160	78.5	45	48	4 Face, 41	NPT 3/4
SCT-8P	300	112	61	59	4 Face, 50	NPT 1

### Socket



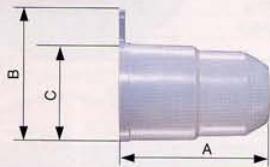
Product code	Mass (g)	Dimensions (mm)			
		Ls	φ D	Hs	Female thread
SCT-2S	101	89.5	41	Face, 19	1/4
SCT-3S	156	102	49.5	Face, 24	3/8
SCT-4S	192	107	54.5	Face, 30	1/2
SCT-6S	340	123	68	Face, 36	3/4
SCT-8S	770	172.5	82	Face, 46	1

\* PT threads also available.

\* Flange &amp; other threaded ends available as specials, please contact us.

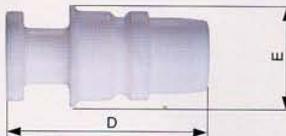
## Options

### Dust Cap for Plug



Product code	Dimensions (mm)		
	A	B	φ C
Dust Cap for SCT-2P	36.0	31.5	23
Dust Cap for SCT-3P	39.0	34.5	26
Dust Cap for SCT-4P	43.5	38.5	29
Dust Cap for SCT-6P	52.0	48.6	37.2
Dust Cap for SCT-8P	71.5	-	53

### Dust Plug for Socket



Product code	Dimensions (mm)	
	D	φ F
Dust Plug for SCT-2S	49	24.5
Dust Plug for SCT-3S	53	24.5
Dust Plug for SCT-4S	58	29.5
Dust Plug for SCT-6S	67	39.5
Dust Plug for SCT-8S	72.5	48.0