







# For High Purity Chemicals

# Semicon Cupla

## SCF Type

For semiconductor manufacturing equipment

<b>Working pressure</b>	<b>Valve structure</b>	<b>Applicable fluids</b>			
 0.2 MPa (2 kg/cm <sup>2</sup> )	 Two-way shut-off	 High purity chemicals	 Water	 Gas	 Air

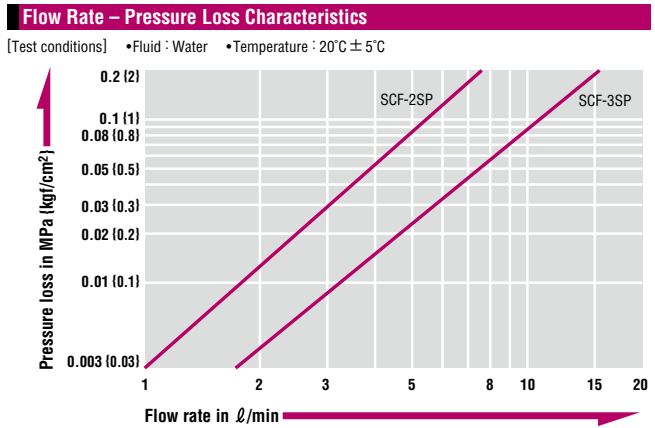
**All plastic model. Fluorine contained resin (PFA) body is injection molded.**

- All parts made of fluorine contained resin. O-rings in particular are FEP-coated fluoro-rubber with excellent chemical resistance and no rubber elution.
- Unique new techniques such as "injection molding", "tube connect system" and "nut type plug mount design" are used to prevent the generation of particles, incessant headache for semiconductor parts manufacturers.
- To connect with a plug, just push the socket on it. Disconnection is done in simple and one-handed button operation.
- Unique "double-lock mechanism" prevents accidental disconnection of socket and plug.
- Branched tube port improves operability and reduces required piping space.
- Plugs come with a dust cap.



Specifications				
Body material	Fluorine contained resin (PFA)			
Size	1/4" × 3/8"			
Working pressure MPa (kg/cm <sup>2</sup> )	0.2 (2)			
Pressure resistance MPa (kg/cm <sup>2</sup> )	0.3 (3)			
Seal material	Seal material	Mark	Working temperature range	Remarks
Working temperature range	FEP-coated fluoro-rubber	—	+5°C~+50°C	Standard material
Valve	Fluorine contained resin			

Min. Cross-Sectional Area (mm <sup>2</sup> )		
Model	SCF-2SP	SCF-3SP
Min. cross-sectional area	23.8	44.2



■ Please see page 126 for details how to cut and mount a tube on to the socket.

### Models and Dimensions

WAF : WAF stands for width across flat.

#### Plug Female thread

Model	Container capacity	Mass (g)	Dimensions (mm)		
			Lp	D(WAF)	T(Female thread)
SCF-2P-M26	For 10ℓ~20ℓ	33	(53.7)	Hex.30 x ø32.5 (31.2)	M26 x 1.5
SCF-3P-M32	For 10ℓ~20ℓ	50	(57.7)	Hex.36 x ø39 (35.2)	M32 x 1.5

#### Plug Straight type (Female thread)

Model	Mass (g)	Dimensions (mm)						
		Lp	C	øD	Hp(WAF)	A(WAF)	øB	T(Female thread)
SCF-2P-3	53	(67.2)	(31.2)	32.5	Hex.30	24	27	Rc 3/8
SCF-3P-4	79	(71.2)	(35.2)	39	Hex.36	30	33	Rc 1/2

#### Socket For tube connection

Model	Container capacity	Mass (g)	Dimensions (mm)			Applicable tube
			Ls	D	E	
SCF-2SL-N08	For 10ℓ~20ℓ	76	77	(45)	33	ø6 x ø8
SCF-3SL-N10	For 10ℓ~20ℓ	116	85	(51)	39	ø8 x ø10

#### Socket Straight type (Female thread)

Model	Mass (g)	Dimensions (mm)					T(Female thread)
		Ls	øA	Hs(WAF)	D	E	
SCF-2S-3	83	(92)	27	24	(45)	33	Rc 3/8
SCF-3S-4	124	(102.5)	33	30	(51)	39	Rc 1/2

Before use, please be sure to read "Safety Guide" described at the end of this book and "Instruction Sheet" that comes with the products.