For High Purity Chemicals
Semicon Cupla
SCF Type

For semiconductor manufacturing equipment

Working pressure

0.2

0.2 MPa
{2 kgf/cm²}

Valve structure

Two-way shut-off

Applicable fluids

High purity chemicals | Water | Gas | Air

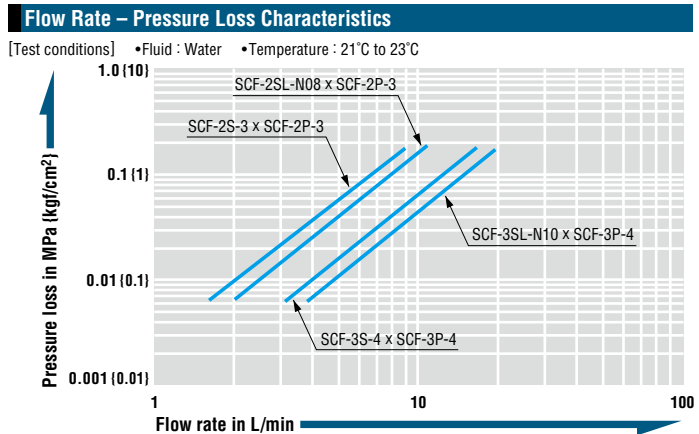## All plastic model. Fluoropolymer resin (PFA) body.

- All parts made of fluoropolymer resin. O-rings in particular are FEP-covered fluororubber with excellent chemical resistance and no rubber elution.
- To connect with a plug, just push the socket on to 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.
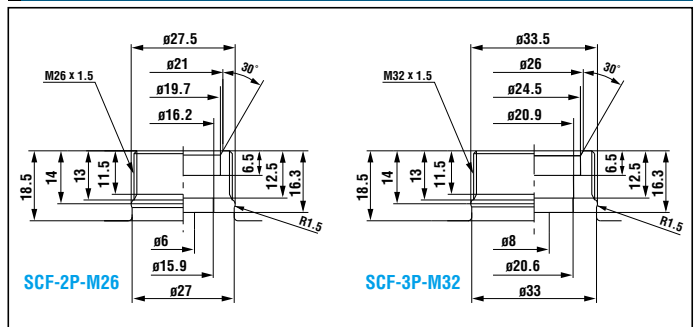- All components are cleaned, assembled, inspected, and then packed in a clean room.

Resin containers

Specifications

Body material		Fluoropolymer resin (PFA)			
Size	Thread	3/8", 1/2" / M26, M32			
	Tube barb	ø6 x ø8, ø8 x ø10			
Pressure unit		MPa	kgf/cm²	bar	PSI
Working pressure		0.2	2	2	29

Seal material	Socket O-ring	Seal material	Mark	Working temperature range	Remarks
Working temperature range		FEP-covered fluoro rubber	–	+5°C to +50°C	Standard material
	Valve	Fluoropolymer resin (PFA)			

Interchangeability

The model name {SCF-□S (P)} with the same digit in □ are interchangeable regardless of end configurations.

Min. Cross-Sectional Area (mm²)

Model	SCF-2SP	SCF-3SP
Min. cross-sectional ar	23.8	44.2

Flow Rate – Pressure Loss Characteristics

[Test conditions] •Fluid : Water •Temperature : 21°C to 23°C

Reference diagram   The thread dimensions of container side for the plug.

SCF-2P-M26   SCF-3P-M32

For tolerance and other specific dimensions, consult us.

Models and Dimensions

WAF : WAF stands for width across flats.

Plug   Female thread

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

Plug   Straight type (Female thread)

Model	Mass (g)	Dimensions (mm)					
		L	C	øD	H(WAF)	A(WAF)	øB	T
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)			
			L	D	E	Applicable tube
SCF-2SL-N08	For 10L to 20L	76	77	34	(45)	ø6 x ø8
SCF-3SL-N10	For 10L to 20L	116	85	39	(51)	ø8 x ø10

Socket   Straight type (Female thread)

Model	Mass (g)	Dimensions (mm)					
		L	øA	H(WAF)	D	E	T
SCF-2S-3	83	(92)	27	24	34	(45)	Rc 3/8
SCF-3S-4	124	(102.5)	33	30	39	(51)	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.