







For High Purity Chemicals

Semicon Cupla

SCF Type

For semiconductor manufacturing equipment

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

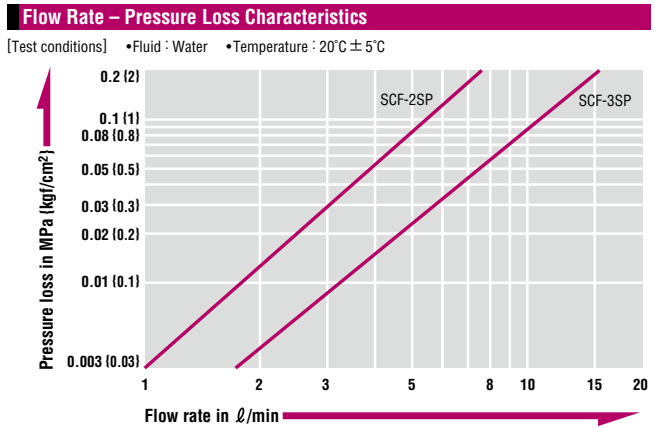
All plastic model. Fluorine contained resin (PFA) body is injection molded.

- 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 ²) | 0.2 (2) | | | |
| Pressure resistance MPa (kg/cm ²) | 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 ²) | | |
|--|---------|---------|
| 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.