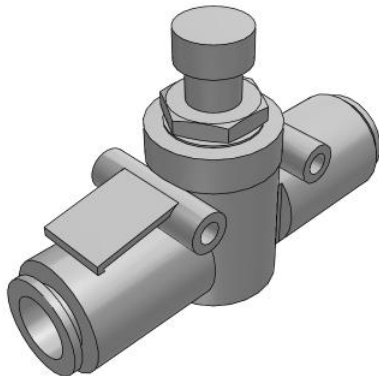
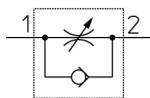




## AS\*2F, Speed Controller, One-touch Fitting, In-line, Compact AS4002F-12

### Datasheet

- In-line, Compact.
- Applicable tubing O.D.: Ø 3.2 to Ø 12.
- Maximum operating pressure: 1 MPa.
- Applicable tube material: Nylon, Soft nylon, Polyurethane.
- Body size: M3, M5, 1/8, 1/4, 3/8 and 1/2



Flow control valve, adjustable, with reverse free flow

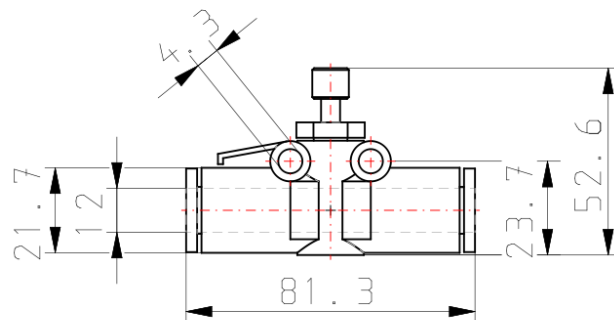
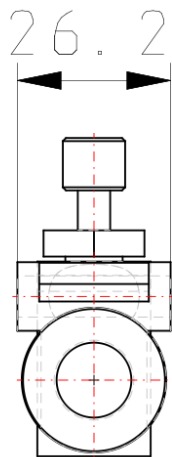
## Standard specifications

|                                        |                               |
|----------------------------------------|-------------------------------|
| Body Size                              | 400 (1/2 Standard)            |
| Applicable Tube O.D.                   | 12 (ø12)                      |
| Option                                 | None                          |
| Lock Nut                               | Standard (Hexagon)            |
| Pressure medium                        | Compressed air                |
| Maximum temperature of pressure medium | 60 °C                         |
| Minimum temperature of pressure medium | -5 °C [without condensation]  |
| Maximum operating pressure             | 1.0 MPa                       |
| F007-MIN_OP_PRESSURE                   | 0.1 MPa                       |
| Proof pressure                         | 1.5 MPa                       |
| Maximum ambient temperature            | 60 °C                         |
| Minimum ambient temperature            | -5 °C                         |
| Conform to the European RoHS Directive | Conform                       |
| Number of pneumatic connections        | 2 pcs.                        |
| Pneumatic input connection             | Ø 12 mm                       |
| Pneumatic output connection            | Ø 12 mm                       |
| Function of Flow control valve         | Throttle valve                |
| Flow rate                              | 1390 NI/min                   |
| Usable tubing material                 | Soft Nylon;Nylon;Polyurethane |

Weight

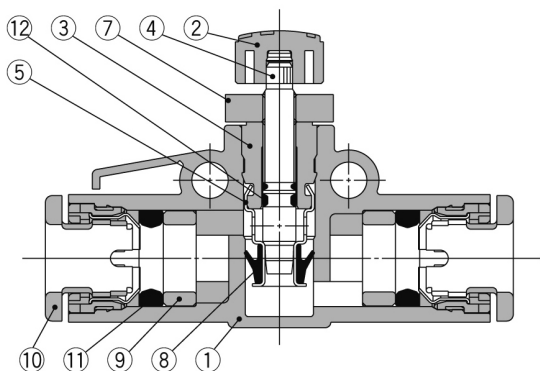
0.082 Kg

## Dimensions



## Constructions

### AS1002F, AS2002F, AS2052F

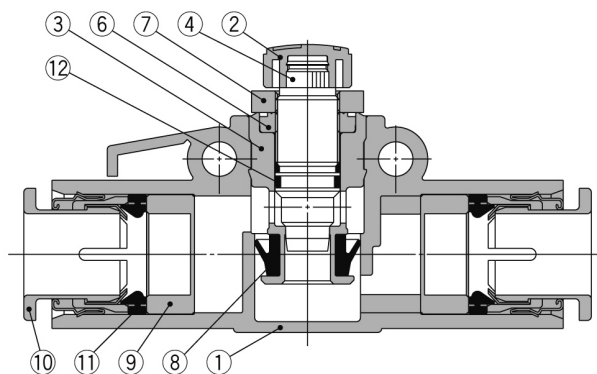


#### Component Parts

| No. | Description  | Material | Note                      |
|-----|--------------|----------|---------------------------|
| 1   | Body A       | PBT      |                           |
| 2   | Handle       | PBT      |                           |
| 3   | Body B       | Brass    | Electroless nickel plated |
| 4   | Needle       | Brass    | Electroless nickel plated |
| 5   | Seat ring    | Brass    | Electroless nickel plated |
| 6   | Needle guide | Brass    | Electroless nickel plated |

Note) AS2052F, AS3002F, AS4002F are made of PBT. AS3002F-11, AS4002F-11, AS4002F-13 are made of electroless nickel plated brass.

### AS1002F-02, AS3002F, AS4002F



| No. | Description | Material             | Note           |
|-----|-------------|----------------------|----------------|
| 7   | Lock nut    | Steel wire           | Zinc chromated |
| 8   | U-seal      | HNBR                 |                |
| 9   | Spacer      | POM <sup>Note)</sup> |                |
| 10  | Cassette    | —                    |                |
| 11  | Seal        | NBR                  |                |
| 12  | O-ring      | NBR                  |                |

## Additional information

Catalogue

[AS1002F-4002F-A\\_EU.pdf](#)