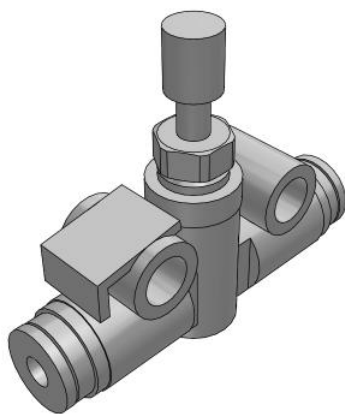




## Standard (Metric Size) - AS\*2F AS1002F-02

### Datasheet

### General series information

- Applicable Tubing O.D.: Ø 2 to Ø 12 mm
- Operating Pressure Range: 0.1 to 1 MPa.

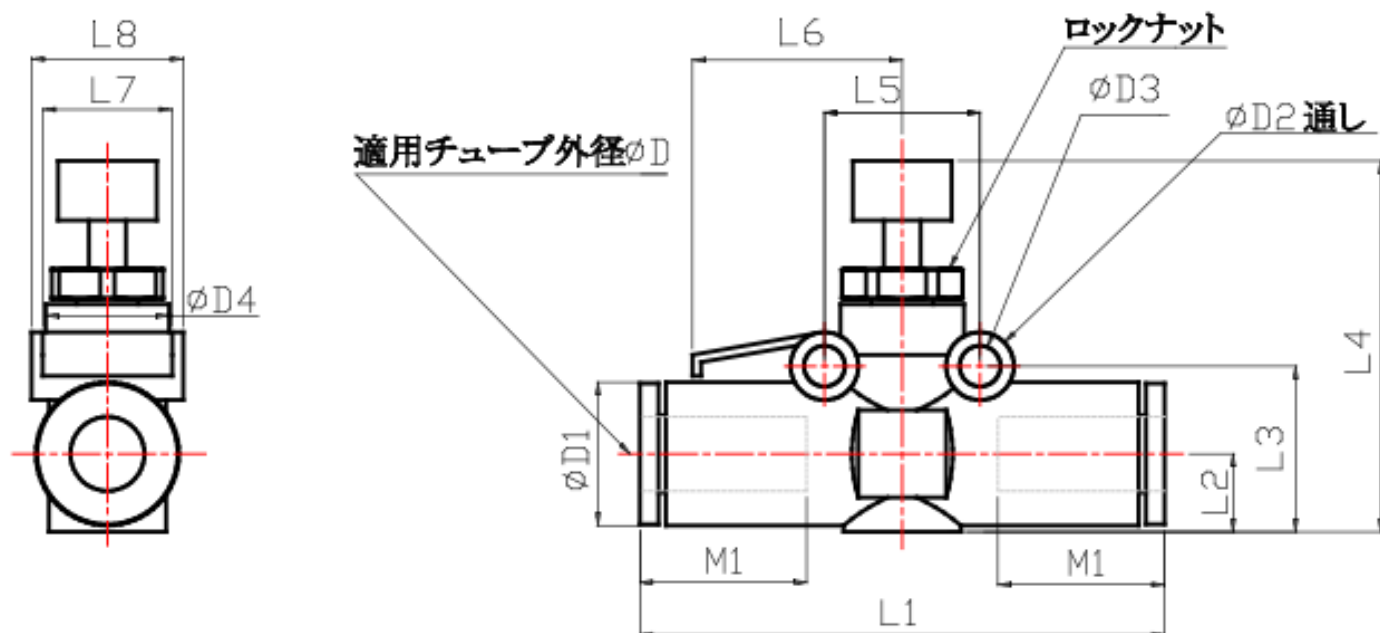


Flow control valve, adjustable, with reverse free flow

### Standard specifications

|                                        |                               |
|----------------------------------------|-------------------------------|
| Body Size                              | 100 (M3, M5 Standard)         |
| Applicable Tube O.D.                   | 02 (ø2)                       |
| Fixed Orifice                          | None                          |
| 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             | 0.7 MPa                       |
| Minimum operating pressure             | 0.1 MPa                       |
| Proof pressure                         | 1.05 MPa                      |
| Maximum ambient temperature            | 60 °C                         |
| Minimum ambient temperature            | -5 °C                         |
| Number of pneumatic connections        | 2 pcs.                        |
| Pneumatic input connection             | Ø 2 mm                        |
| Pneumatic output connection            | Ø 2 mm                        |
| Function of Flow control valve         | Throttle valve                |
| Usable tubing material                 | Soft Nylon;Nylon;Polyurethane |
| Weight                                 | 0.004 Kg                      |

## Dimensions



## Constructions

### AS1002F, AS2002F, AS2052F

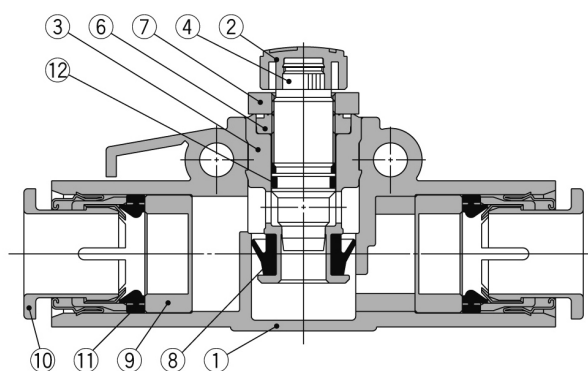


#### Component Parts

| No. | Description         | Material | Note                      |
|-----|---------------------|----------|---------------------------|
| 1   | <b>Body A</b>       | PBT      |                           |
| 2   | <b>Handle</b>       | PBT      |                           |
| 3   | <b>Body B</b>       | Brass    | Electroless nickel plated |
| 4   | <b>Needle</b>       | Brass    | Electroless nickel plated |
| 5   | <b>Seat ring</b>    | Brass    | Electroless nickel plated |
| 6   | <b>Needle guide</b> | 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   | <b>Lock nut</b> | Steel wire           | Zinc chromated |
| 8   | <b>U-seal</b>   | HNBR                 |                |
| 9   | <b>Spacer</b>   | POM <sup>Note)</sup> |                |
| 10  | <b>Cassette</b> | —                    |                |
| 11  | <b>Seal</b>     | NBR                  |                |
| 12  | <b>O-ring</b>   | NBR                  |                |

## Additional information

Catalogue

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