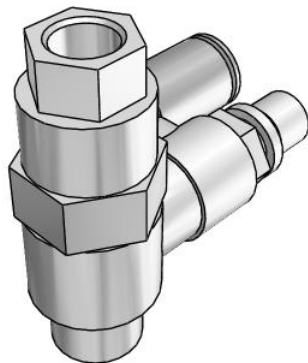


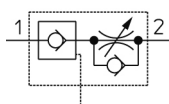


## Standard – ASP ASP430F-N02-07S

### Datasheet

### General series information

- Port Size: 1/8, 1/4, 3/8, 1/2
- Applicable Tubing O.D.: Ø 6 to Ø 12 mm and Ø 1/4" to Ø 1/2"
- Operating Pressure Range: 0.1 to 1 MPa.

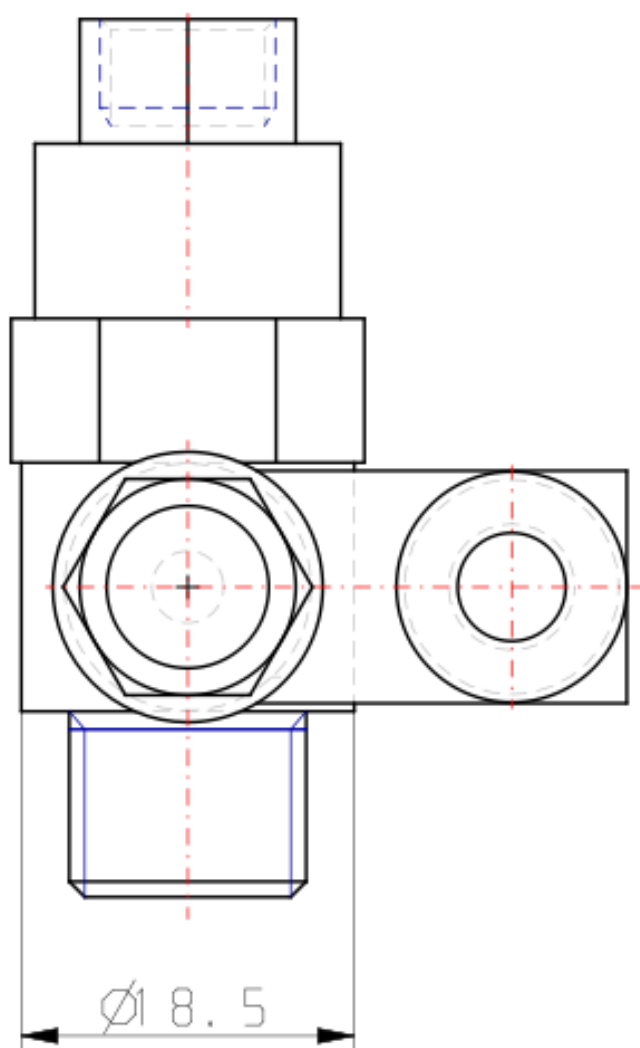


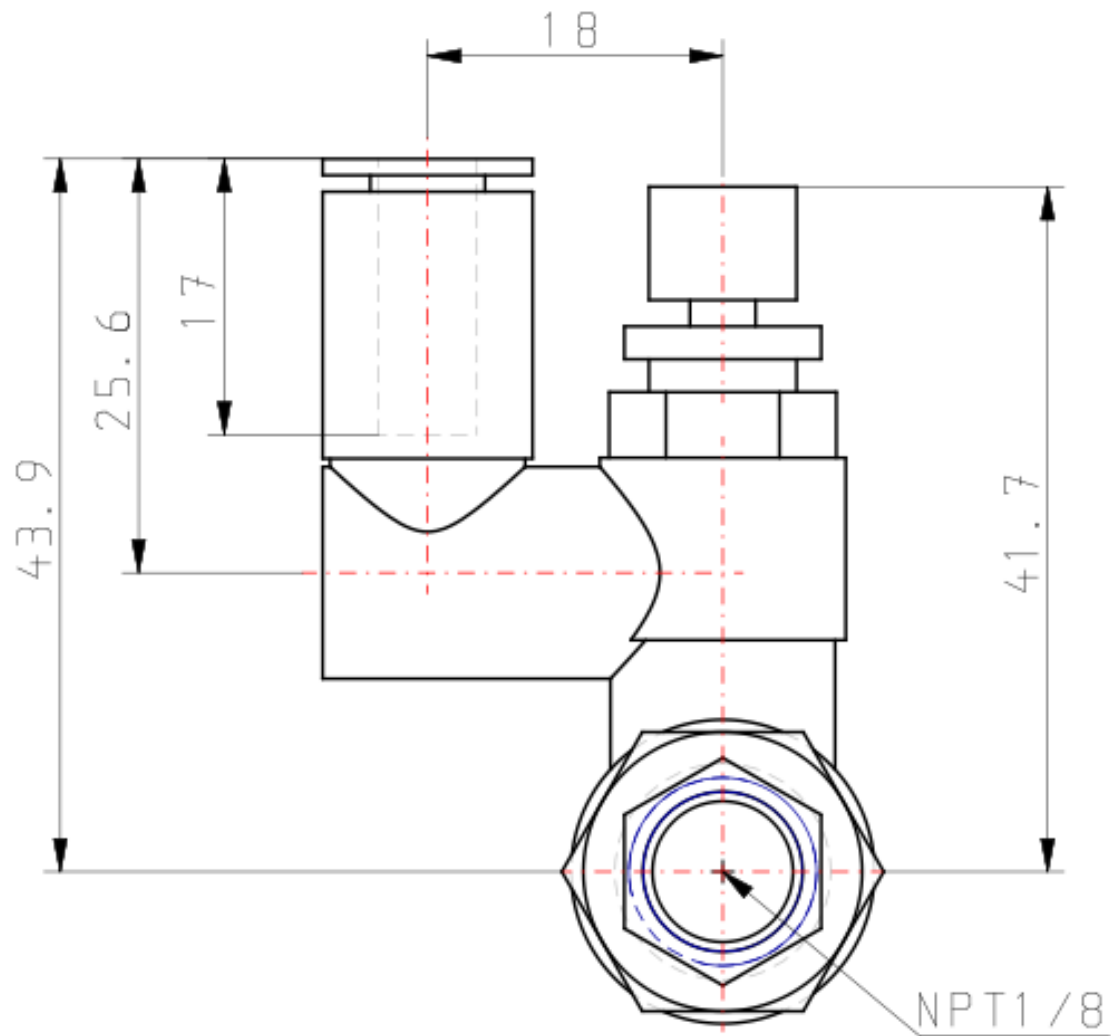
Speed controller with pilot check valve

### Standard specifications

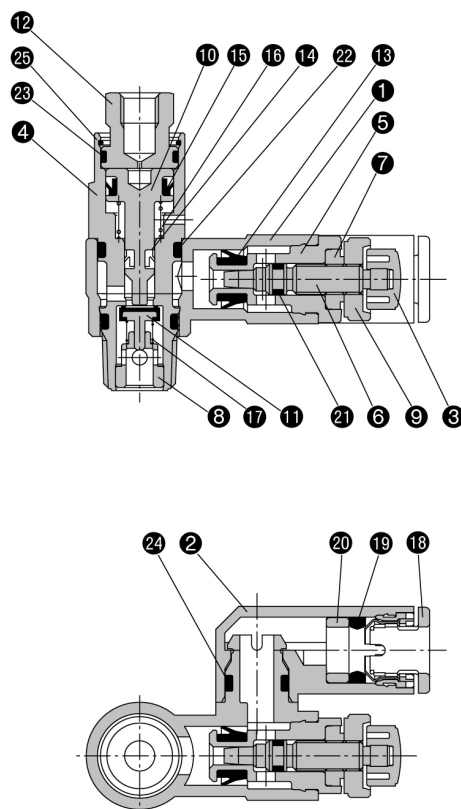
|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| Body Size                              | 4 (1/4 Basis)                                      |
| Port Size                              | N02 [Cylinder Side (NPT 1/4) Pilot Port (NPT 1/8)] |
| Applicable Tubing O.D.                 | 07 (Ø1/4)                                          |
| Made to Order                          | None                                               |
| Lock Nut                               | Standard (Hexagon)                                 |
| Pressure medium                        | Compressed Air                                     |
| Maximum temperature of pressure medium | 60 °C                                              |
| Minimum temperature of pressure medium | -5 °C                                              |
| Maximum operating pressure             | 1 MPa                                              |
| Minimum operating pressure             | 0.1 MPa                                            |
| Proof pressure                         | 1.5 MPa                                            |
| Maximum ambient temperature            | 60 °C                                              |
| Minimum ambient temperature            | -5 °C                                              |
| Function of Flow control valve         | Meter-out                                          |
| Flow rate                              | 350 l/min                                          |
| Pilot check valve actuation pressure   | 50 % or more of operating pressure                 |
| Number of needle revolutions           | 10                                                 |
| Weight                                 | 0.068 Kg                                           |

## Dimensions





## Constructions



### Parts list

| No. | Description  | Material             | Note                      |
|-----|--------------|----------------------|---------------------------|
| 1   | Body A       | PBT                  |                           |
| 2   | Elbow body   | PBT                  |                           |
| 3   | Knob         | PBT                  |                           |
| 4   | Pilot body   | Brass                | Electroless nickel plated |
| 5   | Body B       | Brass                | Electroless nickel plated |
| 6   | Needle       | Brass                | Electroless nickel plated |
| 7   | Needle guide | Brass                | Electroless nickel plated |
| 8   | Guide        | Brass                | Electroless nickel plated |
| 9   | Lock nut     | Brass                | Electroless nickel plated |
| 10  | Piston       | Brass                | Electroless nickel plated |
| 11  | Valve        | Stainless steel, NBR |                           |
| 12  | Cover        | Brass                | Black zinc chromated      |
| 13  | U seal       | NBR                  |                           |

### Parts list

| No. | Description | Material                                | Note |
|-----|-------------|-----------------------------------------|------|
| 14  | DY seal     | PBT                                     |      |
| 15  | DY seal     | PBT                                     |      |
| 16  | Spring      | Stainless steel                         |      |
| 17  | Spring      | Stainless steel                         |      |
| 18  | Cassette    | POM, Stainless steel <sup>Note 1)</sup> |      |
| 19  | Seal        | NBR                                     |      |
| 20  | Spacer      | POM <sup>Note 2)</sup>                  |      |
| 21  | O-ring      | NBR                                     |      |
| 22  | O-ring      | NBR                                     |      |
| 23  | O-ring      | NBR                                     |      |
| 24  | O-ring      | NBR                                     |      |
| 25  | Ring        | Stainless steel                         |      |

Note 1)  $\phi 10$ ,  $\phi 12$ ,  $\phi 3/8"$ ,  $\phi 1/2"$  are POM, stainless steel and brass (electroless nickel plated).  
 Note 2)  $\phi 1/4"$ ,  $\phi 3/8"$ ,  $\phi 1/2"$  are brass (electroless nickel plated).

## Additional information

Catalogue

[ASP\\_EU.pdf](#)

Installation manuals

[IM\\_ASP\\_TF222-097EN-A.pdf](#)