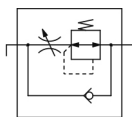


## With Pressure Reduction Function - AS-R AS42R-G04-10

### Datasheet

### General series information

- For maximum reduction of air consumption, this product should be used together with the AS-Q series
- 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: 0.3 to 0.7 MPa.

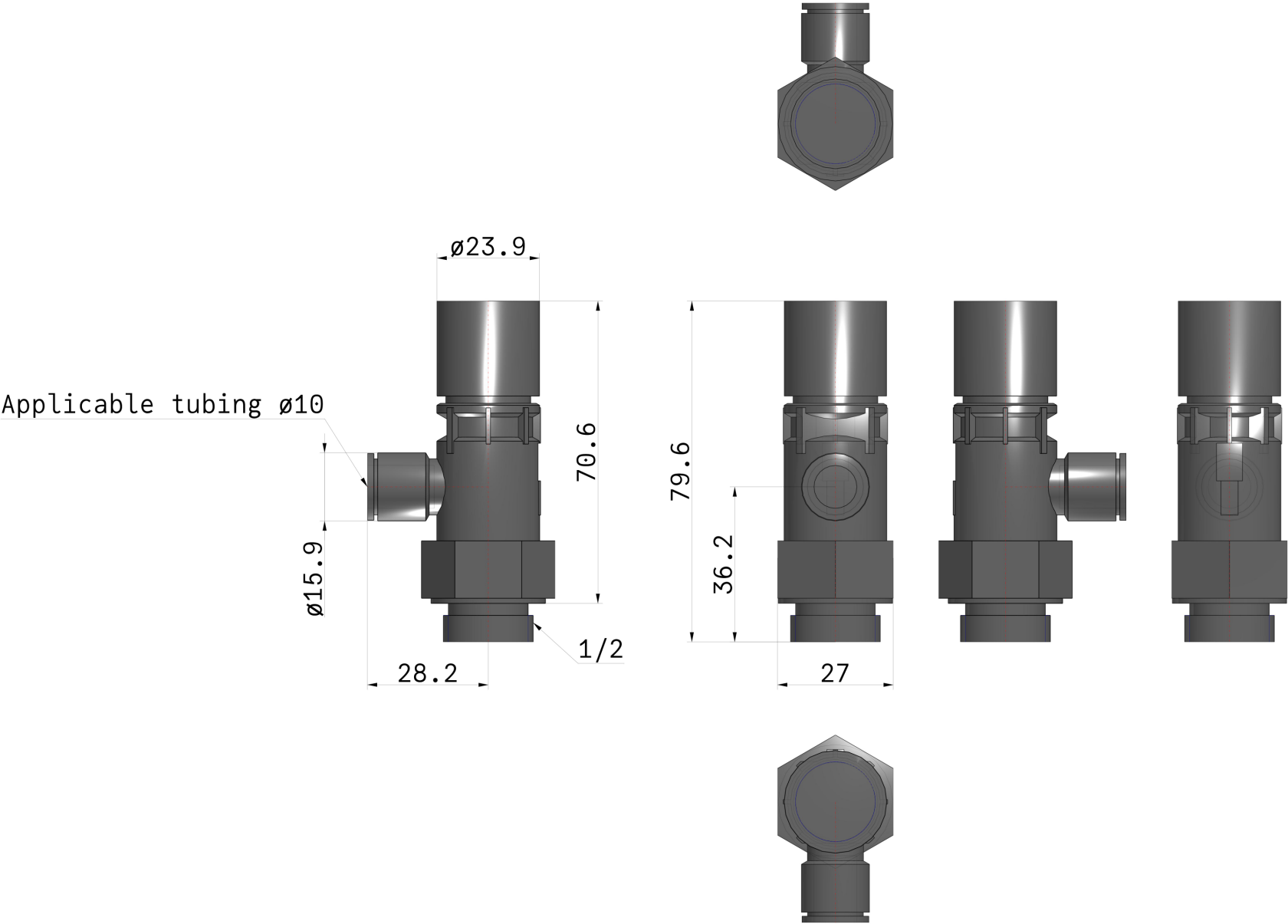


*Energy Saving flow control valve, adjustable,  
with reverse free flow, integrated regulator*

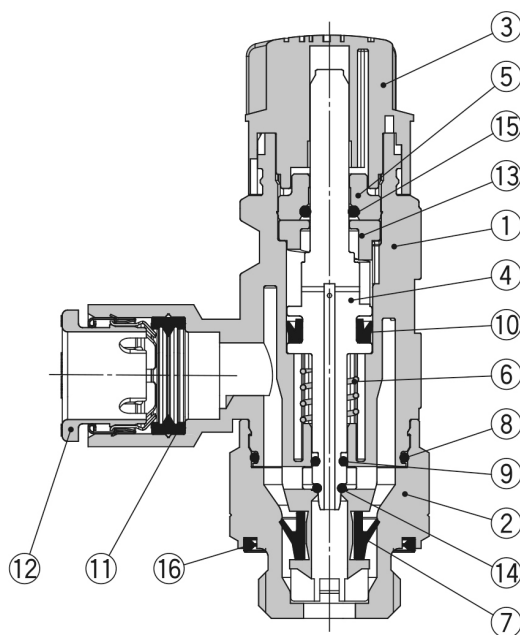
### Standard specifications

|                                           |                                           |
|-------------------------------------------|-------------------------------------------|
| Body Size                                 | 4 (1/2 Standard)                          |
| Thread Type                               | G (G)                                     |
| Port Size                                 | 04 (1/2)                                  |
| Applicable Tubing O.D.                    | 10 (ø 10)                                 |
| Pressure medium                           | Air                                       |
| Maximum operating pressure                | 0.7 MPa                                   |
| Minimum operating pressure                | 0.3 MPa                                   |
| Proof pressure                            | 1.05 MPa                                  |
| Maximum ambient temperature               | 60 °C                                     |
| Minimum ambient temperature               | -5 °C                                     |
| Set pressure (supply pressure at 0.5 MPa) | 0.2 MPa                                   |
| Applicable tubing material                | Nylon, Soft nylon, Polyurethane, FEP, PFA |
| Weight                                    | 0.093 Kg                                  |

Dimensions



## Constructions



### Component Parts

| No. | Description             | Material   | Note                       |
|-----|-------------------------|------------|----------------------------|
| 1   | <b>Body A</b>           | PBT        |                            |
| 2   | <b>Body B</b>           | Brass      | Electroless nickel plating |
| 3   | <b>Knob</b>             | POM        |                            |
| 4   | <b>Needle</b>           | POM        |                            |
| 5   | <b>End cover</b>        | Brass      | Electroless nickel plating |
| 6   | <b>Spring</b>           | Steel wire |                            |
| 7   | <b>U-seal</b>           | HNBR       |                            |
| 8   | <b>O-ring</b>           | NBR        |                            |
| 9   | <b>Needle O-ring</b>    | NBR        |                            |
| 10  | <b>Y-seal</b>           | NBR        |                            |
| 11  | <b>Seal for fitting</b> | NBR        |                            |
| 12  | <b>Cassette</b>         | —          |                            |
| 13  | <b>Stator</b>           | POM        |                            |
| 14  | <b>Valve O-ring</b>     | HNBR       |                            |
| 15  | <b>Shaft O-ring</b>     | NBR        |                            |
| 16  | <b>Seal</b>             | NBR        |                            |

## Additional information

Catalogue

[AS-R\\_AS-Q-C\\_EU.pdf](#)