Metering Valve with Silencer Series ASN2

Superior sound reducing performance

Over 20dB at Max. flow rate

Cylinder speed easily set

Shape of needle as the same as that of speed controller

Retainer prevents accidental loss of needle



Model

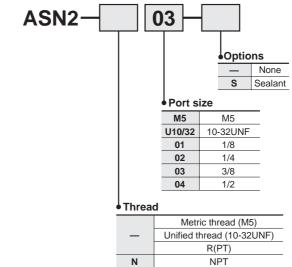
| Model | Port size | Effective area (mm²) | Weight (g) |
|-------------|-----------|----------------------|------------|
| ASN2-M5 | M5 | 1.8 | 5 |
| ASN2-U10/32 | 10-32UNF | 1.8 | 5 |
| ASN2-01 | 1/8 | 3.6 | 17 |
| ASN2-02 | 1/4 | 6.5 | 34 |
| ASN2-03 | 3/8 | 16.6 | 55 |
| ASN2-04 | 1/2 | 24.5 | 107 |

Specifications

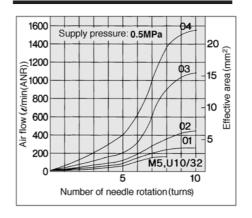
| Proof pressure | 1.5MPa | | |
|-------------------------------|---------------------------|--|--|
| Operating pressure range | 0 to 1MPa | | |
| Ambient and fluid temperature | - 5 to 60°C (No freezing) | | |
| Number of needle rotation | 10 turns (8 turns(1)) | | |

Note 1) (): ASN2-M5, ASN2-U10/32

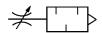
How to Order



Needle Valve/Flow Characteristics



Symbol



ASV

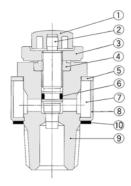
AQ

AS

ASN

AK ASS

Construction

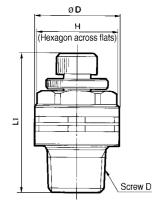


Component Parts

| No. | Description | Material | Note |
|-----|----------------|--------------------------|---------------------------|
| 1 | Handle | PBT | |
| 2 | Needle | Brass | Electroless nickel plated |
| 3 | Lock nut | Brass ^{Note 1)} | Electroless nickel plated |
| 4 | Needle guide | Brass | Electroless nickel plated |
| (5) | Washer | Carbon steel | Nickel plated |
| 6 | O-ring | NBR | |
| 7 | Silencer | PVA sponge | |
| 8 | Silencer cover | Soft polyethlene | |
| 9 | Body B | Brass | Electroless nickel plated |
| 10 | Gasket | NBR/SUS304 | M5,U10/32 only |

Note 1) ASN2-01/02:Steel

Dimensions



Dimensions

| Model | Screw D | øD | L1 | | Н |
|-------------|----------|----|------|------|----------|
| | | | Min | Max | П |
| ASN2-M5 | M5 | 10 | 20.5 | 23.3 | 8 |
| ASN2-U10/32 | 10-32UNF | 10 | 20.5 | 23.3 | 8 |
| ASN2-01 | 1/8 | 15 | 30 | 35 | 12(12.7) |
| ASN2-02 | 1/4 | 20 | 34.2 | 39.2 | 17(17.5) |
| ASN2-03 | 3/8 | 25 | 37 | 42 | 19 |
| ASN2-04 | 1/2 | 30 | 49 | 54 | 24(23.8) |

Note) (in parentheses) are the dimensions of "NPT" screw specification.

⚠ Caution

Be sure to read before handling.

Refer to p.0-20 and 0-21 for Safety Instrucations and common precautions on the products mentioned in this catalogue, refer to p.4.0-3 to 4.0-5 for precautions for each series.