



Drip prevention valve for chemical liquids

AMSZ2/AMS022 Series

Drip prevention valve for nozzle tip control that can prevent dripping

● Maximum drip prevention amount: 0.04 cm³/0.12 cm³



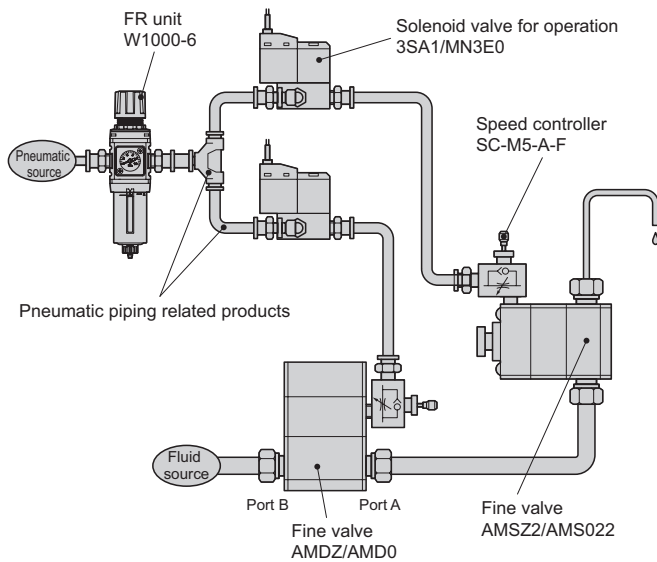
Specifications

| Descriptions | | AMSZ2-* | AMS022-* |
|--------------------------------|--------------------|--|---|
| Working fluid | | Chemical liquid, pure water (*1) | |
| Fluid temperature | °C | 5 to 80 | |
| Proof pressure | MPa | 0.6 | |
| Working pressure | MPa | 0 to 0.2 | |
| Ambient temperature | °C | 0 to 60 | |
| Mounting orientation | | Horizontally mounted with port positioned vertically (port on OUT side up) | |
| Connection | | Rc1/8 O.D. ø3 tube connection O.D. 1/8" tube connection | Rc1/8 O.D. ø6 tube connection O.D. 1/4" tube connection |
| Operating section | Operating pressure | MPa 0.3 to 0.5 | |
| | Operating port | M5 | |
| Maximum drip prevention amount | | cm ³ 0.04 | cm ³ 0.12 |

*1: Cannot be used for oxidizing fluids. Contact CKD regarding oxidizing fluids and aqueous ammonia.

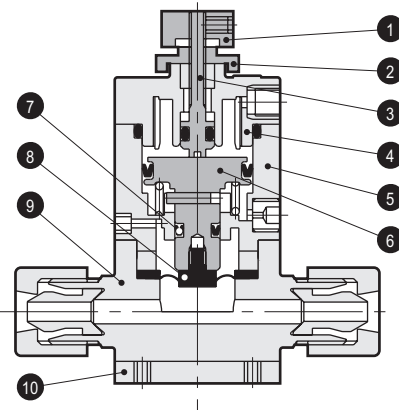
Check the compatibility of product structural materials, working fluids and atmosphere. (Refer to the compatibility check list on Intro Page 15.)

Examples of use and related products



For related products, refer to pneumatic general catalog and clean equipment catalog (Catalog No. CB-033SA) for details.

Internal structure and parts list



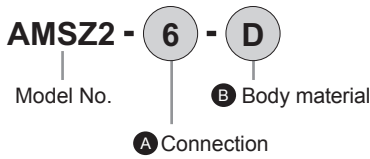
| No. | Part name | Material (by body material) | |
|-----|----------------|-----------------------------|--------|
| | | Standard | D |
| 1 | Knob | SUS303 | |
| 2 | Lock nut | SUS303 | |
| 3 | Adjusting rod | SUS303 | |
| 4 | Cover | PPS | |
| 5 | Cylinder | PPS | |
| 6 | Piston rod | SUS303 | |
| 7 | Y packing | NBR | |
| 8 | Diaphragm | PTFE | |
| 9 | Body | PFA, PTFE | SUS316 |
| 10 | Mounting plate | SUS304 | — |

The material and structure may vary depending on the model number. Contact CKD for details.

Always read the precautions on Intro Pages 7 to 16 before use.

How to order

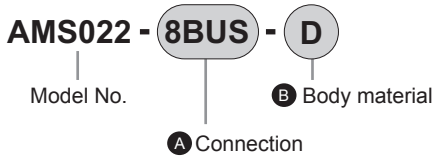
● AMSZ Series



| Code | | Content | |
|---------------------|--|-------------|--|
| A Connection | | | |
| 6 | Super pillar integrated fitting | 3US | Super 300 Pillar fitting P Series integrated |
| 6BUS | Super 300 Pillar fitting P Series integrated | 3UP | F-LOCK 20 Series integrated fitting |
| 6BUP | F-LOCK 20 Series integrated fitting | 3UF | F-LOCK 60 Series integrated fitting |
| 3US | Super pillar integrated fitting | 3UR | F-LOCK 60 Series integrated fitting |
| 6BUS | Super 300 Pillar fitting P Series integrated | 6BUR | F-LOCK 60 Series integrated fitting |
| 3UP | F-LOCK 20 Series integrated fitting | | |
| 6BUP | F-LOCK 20 Series integrated fitting | | |
| 3UF | F-LOCK 20 Series integrated fitting | | |
| 3UR | F-LOCK 60 Series integrated fitting | | |
| 6BUR | F-LOCK 60 Series integrated fitting | | |
| Blank | PFA molded body or PTFE cut body | PTFE | PFA |
| D | Stainless steel body | ● | |

* PTFE cut products will be manufactured per order.

● AMS0 Series



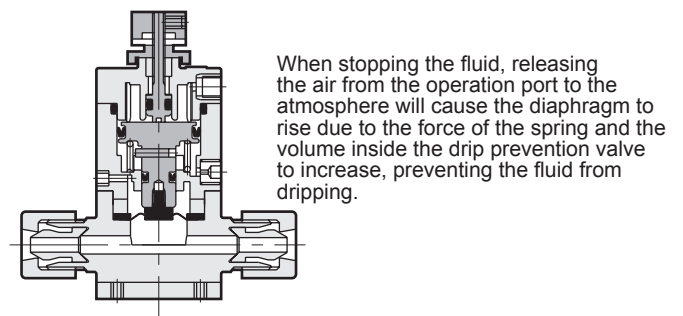
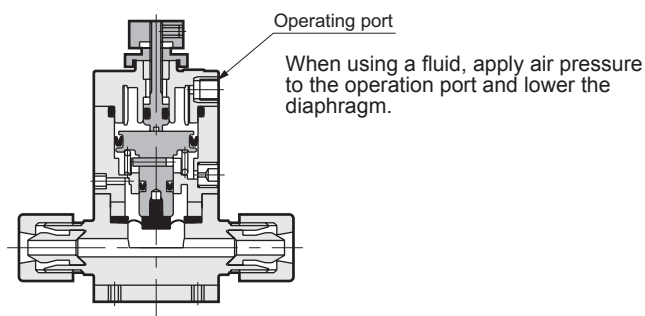
| Code | | Content | |
|---------------------|--|-------------|--|
| A Connection | | | |
| 6 | Super pillar integrated fitting | 6US | Super 300 Pillar fitting P Series integrated |
| 8BUS | Super 300 Pillar fitting P Series integrated | 6UP | F-LOCK 20 Series integrated fitting |
| 6UP | F-LOCK 20 Series integrated fitting | 8BUP | F-LOCK 60 Series integrated fitting |
| 8BUP | F-LOCK 60 Series integrated fitting | 6UF | F-LOCK 60 Series integrated fitting |
| 6UF | F-LOCK 60 Series integrated fitting | 8BUF | Final Lock integrated fitting |
| 8BUF | Final Lock integrated fitting | 6UR | Final Lock integrated fitting |
| 6UR | Final Lock integrated fitting | 8BUR | Final Lock integrated fitting |
| 8BUR | Final Lock integrated fitting | 6UK | Final Lock integrated fitting |
| 6UK | Final Lock integrated fitting | 8BUK | Final Lock integrated fitting |
| 8BUK | Final Lock integrated fitting | 8BUW | Final Lock integrated fitting |
| 8BUW | Final Lock integrated fitting | | |
| Blank | PFA molded body or PTFE cut body | PTFE | PFA |
| D | Stainless steel body | ● | |

* PTFE cut products will be manufactured per order.

⚠ Precautions for model No. selection

*1: Contact CKD if selecting all-resin for an actuator that can be used for oxidizing fluids.

Operational principle



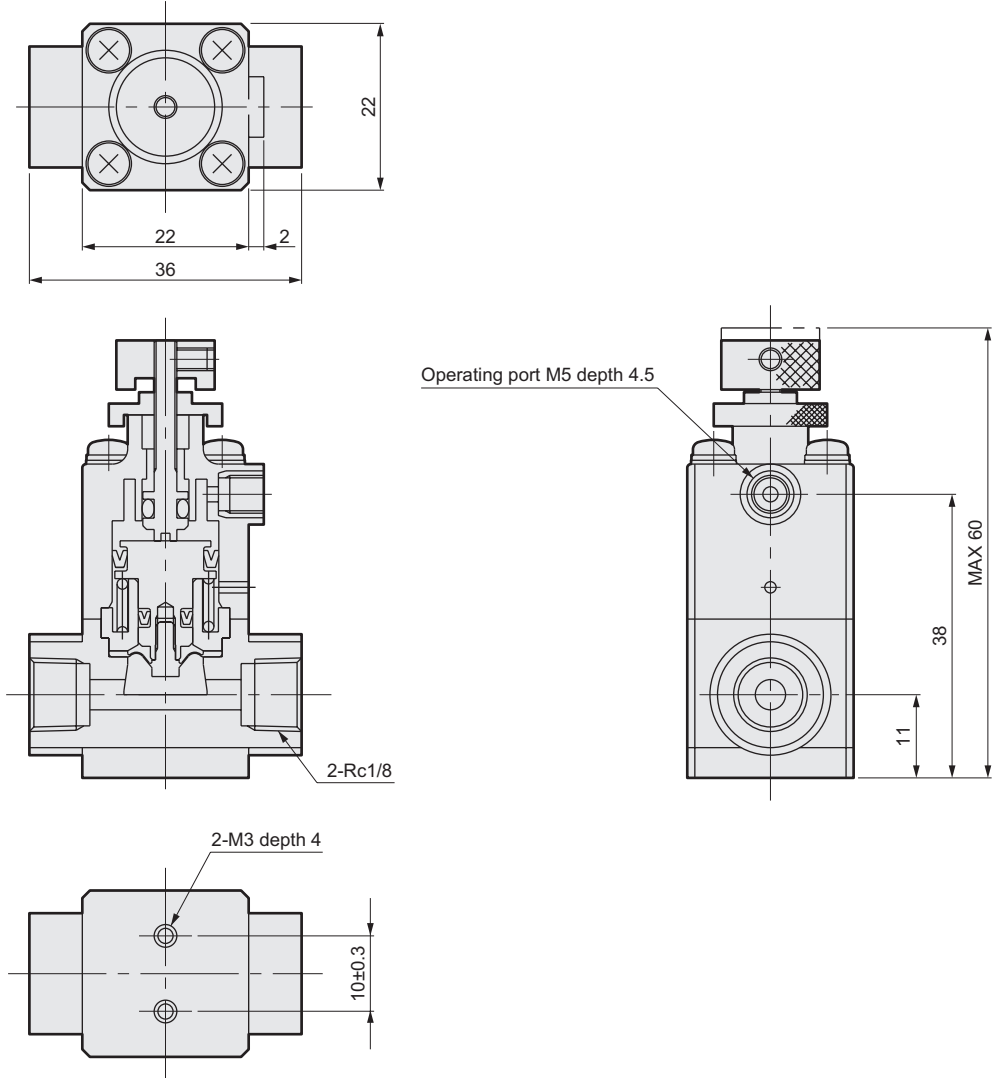
AMSZ3R
AMSD3R
AMDO3R
AMDO
AMDO2
AMDO2-2
AMDO2-2
SUS0001
AMDO1H
AMDO1H
AMG203R
AMG203R
AMG03R
AMG03R
AMG00
AMGZ0
AMG-02
AMG-02
GAMDO3R
GAMDO3R
GAMDO3R
GAMDO2A
GAMDO2A
GAMDO2-2
High pressure specification
AMD
Flow characteristics
MMD-02
MMD-0H
MMD-0H
GMMD-02
MMD-0
TMD-02
FMDO0
NNV
AMS
AMDS
Fine regulator
KMIL
Others
Related

AMSZ2 Series

Dimensions

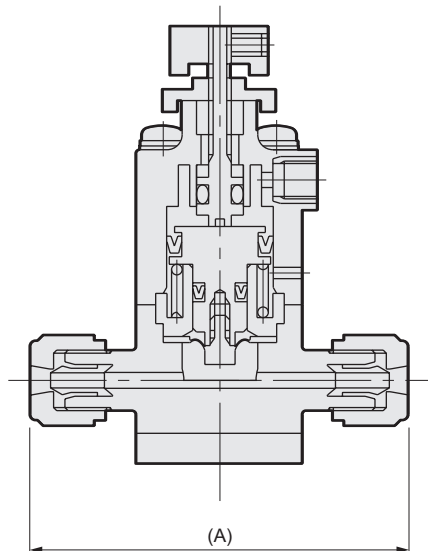
● Rc thread

- AMSZ2-6
- AMSZ2-6-D



● Integrated fitting

- AMSZ2- *1



| Dimensions | |
|---------------------------|----|
| *1 (Connection model No.) | A |
| 3US, 3UP | 50 |
| 6BUS, 6BUP | 50 |
| 3UF | 40 |
| 3UR | 57 |
| 6BUR | 57 |

