

# MUS / MUSF series Normally closed

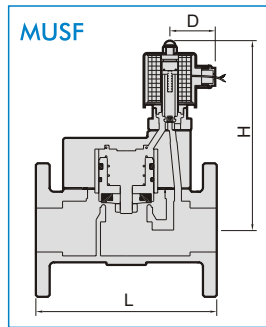
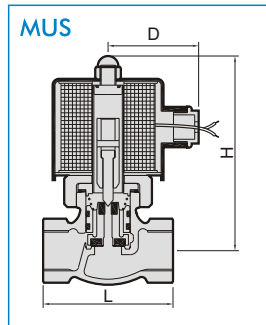
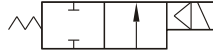


## SOLENOID VALVE

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2-WAY normally closed solenoid valve.

Available fluid: Water, air, steam & heavy oil.



### Specification

- MUS/MUSF series is multiplex-drive, piston guide, conductive normal close.
- Other voltage of AC/DC available when required.
- The standard product fluid temperature is 185°C (PTFE).
- Flange end: JIS 10K, ANSI 150LB or PN-16.
- AC Voltage tolerance: ±10%.
- DC Voltage tolerance: ±1%.

### Material

| Parts name  | Model | MUS                     | MUSF  |
|-------------|-------|-------------------------|-------|
| Body        |       | Cast bronze             | FC-20 |
| Coil        |       | Special copper wire (H) |       |
| Piston      |       | Brass                   |       |
| Tube        |       | Stainless steel         |       |
| Spring      |       | Stainless steel         |       |
| Core needle |       | Stainless steel         |       |
| Plug        |       | PTFE+15%GF              | PTFE  |
| Bonne/Nut   |       | PTFE                    |       |

### Caution

- Pipes must be washed neat and clean before fitted.
- A Y-STRAINER has to be installed in the front of solenoid valve, that is best for long life.

### Not for fluid of

- Liquid when heat, solid when cool.
- Corrosive fluid.
- Viscosity over 20 cst.
- Temperature over 185°C.

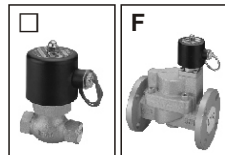
### Order example

MUS - 35 F - □ - AC110 - G

MODEL

PIPE SIZE CODE

TYPE



FLUID

- : Water, Air
- : Heavy oil (Please indicate the kind.)
- T : Steam

VOLTAGE

AC220V(50/60)Hz  
AC110V(50/60)Hz  
DC24V

PORT THREAD

Blank: Rc thread  
G: G thread  
NPT: NPT thread

| Model    | DIN | Pipe size | Cv  | Orifice (mm) | Fluid temp | Max. operating pressure diff. MPa |          |        |           | Dimensions(mm) |     |    | Weight (kg) |
|----------|-----|-----------|-----|--------------|------------|-----------------------------------|----------|--------|-----------|----------------|-----|----|-------------|
|          |     |           |     |              |            | Water                             | Air      | Steam  | Heavy oil | L              | H   | D  |             |
| MUS-15   |     | Rc1/2"    | 4.0 | 17           | -5~+185°C  | 0.05~1                            | 0.05~1.5 | 0.05~1 | 0.05~1    | 82             | 120 | 58 | 1.7         |
| MUS-20   |     | Rc3/4"    | 6.0 | 17           | -5~+185°C  | 0.05~1                            | 0.05~1.5 | 0.05~1 | 0.05~1    | 82             | 123 | 58 | 1.7         |
| MUS-25   |     | Rc1"      | 12  | 22           | -5~+185°C  | 0.05~1                            | 0.05~1.5 | 0.05~1 | 0.05~1    | 91             | 130 | 58 | 2.0         |
| MUS-35   |     | Rc1 1/4"  | 18  | 30           | -5~+185°C  | 0.1~1                             | 0.1~1.5  | 0.1~1  | 0.1~1     | 110            | 141 | 58 | 3.1         |
| MUS-40   |     | Rc1 1/2"  | 22  | 30           | -5~+185°C  | 0.1~1                             | 0.1~1.5  | 0.1~1  | 0.1~1     | 110            | 144 | 58 | 3.3         |
| MUS-50   |     | Rc2"      | 48  | 50           | -5~+185°C  | 0.1~1                             | 0.1~1.5  | 0.1~1  | 0.1~1     | 163            | 173 | 58 | 7.2         |
| MUS-35F  |     | Rc1 1/4"  | 22  | 35           | -5~+185°C  | 0.05~1                            | 0.05~1   | 0.05~1 | —         | 200            | 206 | 58 | 10.5        |
| MUS-40F  |     | Rc1 1/2"  | 30  | 40           | -5~+185°C  | 0.05~1                            | 0.05~1   | 0.05~1 | —         | 200            | 206 | 58 | 11.7        |
| MUS-50F  |     | Rc2"      | 40  | 50           | -5~+185°C  | 0.05~1                            | 0.05~1   | 0.05~1 | —         | 210            | 223 | 58 | 13.5        |
| MUS-65F  |     | Rc2 1/2"  | 68  | 65           | -5~+185°C  | 0.05~1                            | 0.05~1   | 0.05~1 | —         | 240            | 230 | 58 | 19.1        |
| MUS-80F  |     | Rc3"      | 100 | 80           | -5~+185°C  | 0.05~1                            | 0.05~1   | 0.05~1 | —         | 300            | 249 | 58 | 27.0        |
| MUS-100F |     | Rc4"      | 175 | 100          | -5~+185°C  | 0.05~1                            | 0.05~1   | 0.05~1 | —         | 340            | 264 | 58 | 39.0        |

※ The pressure ratings indicated above are based on AC110V/220V. The maximum pressure may vary in case on DC/AC24V.



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