MUS / MUS-F series

2/2 WAY N.C. PISTON TYPE **SOLENOID VALVE**

mindman

Selection table

MU* Reference table

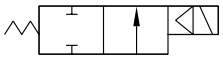
Seal material

Caution for safety
(Read before installing)

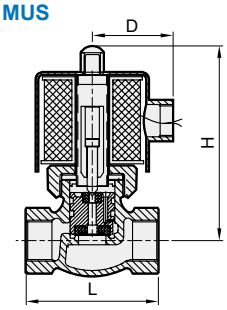
2-WAY normally closed solenoid valve.
Available fluid: Water, air, steam, light oil & heavy oil.



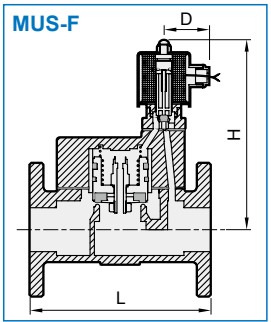
2/2 N.C.



MUS



MUS-F



Specification

- MUS/MUS-F series is multiplex-drive, piston guide, connected normal close.
- Acceptable for customization Viton (130°C) , Silicone (130°C) and EPDM (130°C) for seal plug.
- Flange: JIS 10K (Option: ANSI 150LB or PN-16)
- AC voltage tolerance: ±10%
  DC voltage tolerance: ±1%

Material

Model / Parts name	MUS	MUS-F
Body	Cast bronze	Cast Iron (FC-20)
Coil	Special copper wire (H class)	
Tube	Stainless steel	
Spring	Stainless steel	
Core	Stainless steel	
Plug	PTFE+15%GF	PTFE (Teflon)
Piston	Brass	
Piston plug	PTFE (Teflon)	

Caution

- Min pressure to open 0.05 MPa (over 1 1/4" is 0.1 MPa)
- Before pipelining, the pipe line must be very clean without any contaminants or impurity.
- To extend the lifetime, Y-line filter should be installed in the front end of solenoid valve.
- It should be installed horizontally; vertical installation is not advisable.

Not for fluid of

- Liquid when heat, solid when cool.
- Corrosive fluid.
- Viscosity over 20 cst.
- Temperature over 185°C.
- The temperature over 130°C, the waterproof coil casing is prone to deformation.

Order example

MUS — 35 F — □ — □ — AC110 — G

MODEL

PORT SIZE
15: 1/2"
20: 3/4"
25: 1"
35: 1 1/4"
40: 1 1/2"
50: 2"
65: 2 1/2"
80: 3"
100: 4"

COIL
Blank: Standard iron shell coil
D: DIN terminal (under 130°C) (*1)
I: Waterpoof terminal (under 130°C) (*1)

TYPE
Blank: Standard



F: Flange



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

FLUID
T: Steam
LO: Light oil (*2)
HO: Heavy oil (*3)
W: Water, air

PORT THREAD
Blank: Rc thread
G: G thread
NPT: NPT thread
(Only for standard type)

*1. Please order according to the specification sheet.
*2. Note, if diesel fuel or gasoline.
*3. Please indicate the kind.

Model	D / I coil	Port size	CV	Orifice (mm)	Fluid temp.°C	Operating pressuer range (MPa)				Dimensions (mm)			Weight (kg)
						Steam	Water, air	Heavy oil	Light oil	L	H	D	
MUS-15		Rc1/2"	4.0	17	-5~+185	0.05~1	—	0.05~1	—	82	125	58	1.60
MUS-20		Rc3/4"	6.0	17	-5~+185	0.05~1	—	0.05~1	—	82	125	58	1.67
MUS-25		Rc1"	12.0	22	-5~+185	0.05~1	—	0.05~1	—	91	133	58	2.02
MUS-35		Rc1 1/4"	18.0	30	-5~+185	0.1~1	—	0.1~1	—	111	141	58	3.08
MUS-40		Rc1 1/2"	22.0	30	-5~+185	0.1~1	—	0.1~1	—	111	144	58	3.10
MUS-50		Rc2"	48.0	50	-5~+185	0.1~1	—	0.1~1	—	163	175	58	6.82
MUS-35F	●	1 1/4"	22	35	-5~+185	0.1~1	0.1~1	—	0.1~1	200	189	48	10.7
MUS-40F	●	1 1/2"	30	40	-5~+185	0.1~1	0.1~1	—	0.1~1	200	189	48	10.9
MUS-50F	●	2"	40	50	-5~+185	0.1~1	0.1~1	—	0.1~1	210	202	48	13.2
MUS-65F	●	2 1/2"	68	65	-5~+185	0.1~1	0.1~1	—	0.1~1	240	209	48	19.2
MUS-80F	●	3"	100	80	-5~+185	0.1~1	0.1~1	—	0.1~1	300	228	48	27.0
MUS-100F	●	4"	175	100	-5~+185	0.1~1	0.1~1	—	0.1~1	340	244	48	38.7

* Please consult your sales representative for other customization requirement.