MUD / MUS series

2/2 WAY N.C., N.O. PLUNGER TYPE **SOLENOID VALVE**

mindman

Selection table

MU* Reference table

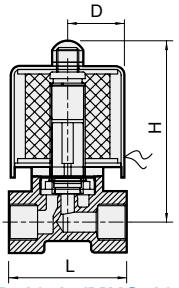
Seal material

Caution for safety
(Read before installing)

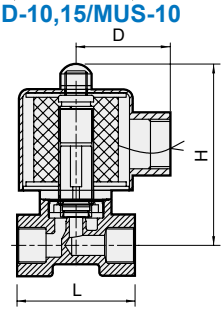
2 way normally closed / normally open solenoid valve.
Available fluid: Water, air, steam, light oil, gas & vacuum.



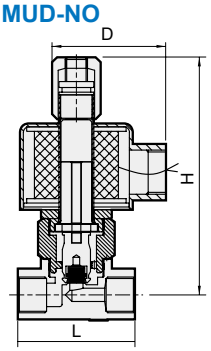
MUD/MUS-6,8

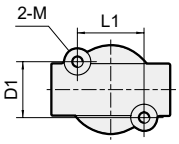


MUD-10,15/MUS-10

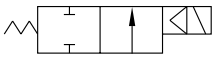


MUD-NO

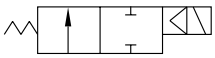




2/2 N.C.



2/2 N.O.



Specification

- Direct acting, conductive and N.C. / N.O.
- Able to be operated under no pressure.
- MUD: Acceptable for customization: Viton(130°C), Silicon(130°C), EPDM(130°C) for seal plug.
- AC (DC) voltage tolerance: ±10% (±1%)

Material

Parts name	MUD	MUS
Body	Brass	
Coil	Special copper wire (H class)	
Tube	Stainless steel	
Spring	Stainless steel	
Core	Stainless steel	
Plug	NBR	PTFE (Teflon)
O-ring	NBR	PTFE (Teflon)

Caution

- 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.
- MUD: Viscosity over 20 cst.
- MUS: Viscosity over 50 cst.
- The temperature over 130°C, the waterproof coil casing is prone to deformation.

Order example

MUD — 6 H — NO — □ — G — AC110 — G

MODEL
MUD
MUS

PORT SIZE
6: 1/8"
8: 1/4"
10: 3/8"
15: 1/2"

OPERATING PRESSURE
Blank: Standard
H: High pressure

Blank: Normally closed
NO: Normally open

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

FLUID	
W	Water, air
G	Gas
LO	Light oil (*2)
VA	Vacuum

(Only for **MUD**)

T	Steam

(Only for **MUS**)

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

PORT THREAD
Blank: Rc thread
G: G thread
NPT: NPT thread

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

	Model	D / I coil	Port size	CV	Orifice (mm)	Fluid temp.°C	Operating pressuer range (MPa) Water	Air	Steam	Light oil	Gas	Vacuum Torr	Dimensions (mm) L	H	D	L1	D1	M	Weight (kg)
NC	**MUD-6**	◎	Rc1/8"	0.23	2.5	-5~+80	0~0.7	0~0.7	—	0~0.7	0~0.7	$0\sim10^{-3}$	41	66	21.5	23	19.3	M4×0.7	0.32
	MUD-8	◎	Rc1/4"	0.23	2.5	-5~+80	0~0.7	0~0.7	—	0~0.7	0~0.7	$0\sim10^{-3}$	41	66	21.5	23	19.3	M4×0.7	0.31
	MUD-8	◎	Rc1/4"	0.58	4.0	-5~+80	0~0.3	0~0.3	—	0~0.3	0~0.3	$0\sim10^{-3}$	41	66	21.5	23	19.3	M4×0.7	0.31
	MUD-8		Rc1/4"	0.79	6.0	-5~+80	0~0.1	0~0.1	—	0~0.1	0~0.1	$0\sim10^{-3}$	41	66	21.5	23	19.3	M4×0.7	0.31
	MUD-8H		Rc1/4"	0.18	1.2	-5~+130	0~2	0~2	—	0~2	0~2	$0\sim10^{-3}$	41	66	21.5	23	19.3	M4×0.7	0.31
	MUD-10	●	Rc3/8"	0.58	4.0	-5~+80	0~1	0~1	—	0~1	0~1	$0\sim10^{-3}$	53	75	48	20	21.0	M5×0.8	0.53
	MUD-10		Rc3/8"	0.79	8.0	-5~+80	0~0.3	0~0.5	—	0~0.3	0~0.5	$0\sim10^{-3}$	53	90	48	20	21.0	M5×0.8	0.65
	MUD-10H	●	Rc3/8"	0.45	2.0	-5~+130	0~2	0~2	—	0~2	0~2	$0\sim10^{-3}$	53	75	48	20	21.0	M5×0.8	0.54
	MUD-15		Rc1/2"	0.58	8.0	-5~+80	0~0.3	0~0.5	—	0~0.3	0~0.5	$0\sim10^{-3}$	53	90	48	20	21.0	M5×0.8	0.64
	MUS-6	◎	Rc1/8"	0.23	2.5	-5~+185	—	—	0~0.7	—	—	—	41	66	21.5	—	—	—	0.32
	MUS-8	◎	Rc1/4"	0.23	2.5	-5~+185	—	—	0~0.7	—	—	—	41	66	21.5	23	19.3	M4×0.7	0.32
	MUS-10	●	Rc3/8"	0.23	4.0	-5~+185	—	—	0~1	—	—	—	53	75	48	20	21.0	M5×0.8	0.54
NO	**MUD-6-NO**		Rc1/8"	0.23	2.5	-5~+80	0~0.7	0~0.7	—	0~0.7		$0\sim10^{-3}$Torr	41	87	21.5	23	19.3	M4×0.7	0.44
	MUD-8-NO		Rc1/4"	0.23	2.5	-5~+80	0~0.7	0~0.7	—	0~0.7		$0\sim10^{-3}$Torr	41	87	21.5	23	19.3	M4×0.7	0.43
	MUD-8-NO		Rc1/4"	0.58	4.0	-5~+80	0~0.3	0~0.3	—	0~0.3		$0\sim10^{-3}$Torr	41	87	21.5	23	19.3	M4×0.7	0.43
	MUD-8-NO		Rc1/4"	0.79	6.0	-5~+80	0~0.1	0~0.1	—	0~0.1		$0\sim10^{-3}$Torr	41	87	21.5	23	19.3	M4×0.7	0.43
	MUD-8H-NO		Rc1/4"	0.18	1.2	-5~+130	0~2	0~2	—	0~2		$0\sim10^{-3}$Torr	41	87	21.5	23	19.3	M4×0.7	0.43
	MUD-10-NO	●	Rc3/8"	0.58	4.0	-5~+80	0~1	0~1	—	0~1		$0\sim10^{-3}$Torr	53	105	48	20	21.0	M5×0.8	0.7

* ◎ The D/I waterproof coil is customization and requires a separate quotation.
* Connect air source to outlet port for vacuum application.
* MUD-6,8-NO: Voltage at DC24V, H: 79.5mm.