MSUW / MSUW-NO series

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

mindman

2-WAY normally closed / normally open solenoid valve.
Available fluid: Water, air, light oil, gas and vacuum.

Selection table

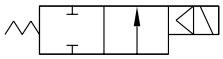
MU* Reference table

Seal material

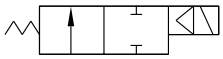
Caution for safety
(Read before installing)



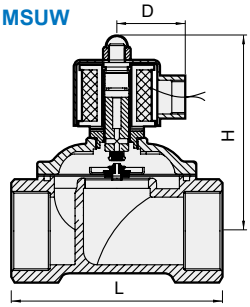
2/2 N.C.



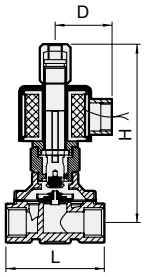
2/2 N.O.



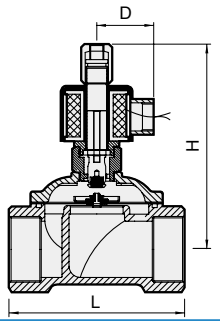
MSUW



MSUW-15~25-NO



MSUW-35~50-NO



Specification

- Direct and multiplex drive, connected diaphragm, normal close / normal open.
- Can be operated directly under low pressure.
- Acceptable for customization Viton (130°C) , Silicone (130°C) and EPDM (130°C) for seal plug and diaphragm.
- AC voltage tolerance: ±10%
- DC voltage tolerance: ±1%

Material

Parts name	Material
Body	Stainless steel #304 (option #316)
Coil	Special copper wire (H class)
Core	Stainless steel
Tube	Stainless steel
Spring	Stainless steel
Plug	NBR
Diaphragm	NBR

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.
- Viscosity over 20 cst.

Order example

MSUW — 20 □ — NO — □ — W — AC110 — G

- MODEL
- PORT SIZE: **15**: 1/2", **20**: 3/4", **25**: 1", **35**: 1 1/4", **40**: 1 1/2", **50**: 2"
- OPERATING PRESSURE: Blank: Standard type; **H**: High pressure type
- Blank: Normal close; **NO**: Normal 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 (*); **VA**: Vacuum
- VOLTAGE: **AC220**V(50/60)Hz; **AC110**V(50/60)Hz; **DC24**V
- 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)				High pressure type (MPa)		Vacuum Torr	Dimensions (mm)			Weight (kg)
							Water	Air	Light oil	Gas	Water	Air		L	H	D	
NC	**MSUW-15**	●	Rc1/2"	4.5	15	-5~+80	0~0.5	0~0.7	0~0.5	—	0.05~1	0.05~2	$0\sim10^{-3}$	70	100	48	1.0
	MSUW-20	●	Rc3/4"	8.6	20	-5~+80	0~0.5	0~0.7	0~0.5	—	0.05~1	0.05~2	$0\sim10^{-3}$	76	100	48	1.1
	MSUW-25	●	Rc1"	12.0	25	-5~+80	0~0.5	0~0.7	0~0.5	—	0.05~1	0.05~2	$0\sim10^{-3}$	100	115	48	1.65
	MSUW-35	●	Rc1 1/4"	24.0	35	-5~+80	0~0.5	0~0.7	0~0.5	—	0.05~1	0.05~2	$0\sim10^{-3}$	123	112	48	2.33
	MSUW-40	●	Rc1 1/2"	28.0	40	-5~+80	0~0.5	0~0.7	0~0.5	—	0.05~1	0.05~2	$0\sim10^{-3}$	123	112	48	2.54
	MSUW-50	●	Rc2"	48.0	50	-5~+80	0~0.5	0~0.7	0~0.5	—	0.05~1	0.05~2	$0\sim10^{-3}$	167	125	48	4.59
NO	**MSUW-15-NO**	●	Rc1/2"	4.5	15	-5~+80	0~0.5	0~0.7	0~0.5	0~0.7	—	—	$0\sim10^{-3}$	70	126	48	1.0
	MSUW-20-NO	●	Rc3/4"	8.6	20	-5~+80	0~0.5	0~0.7	0~0.5	0~0.7	—	—	$0\sim10^{-3}$	76	132	48	1.1
	MSUW-25-NO	●	Rc1"	12.0	25	-5~+80	0~0.5	0~0.7	0~0.5	0~0.7	—	—	$0\sim10^{-3}$	100	139	48	1.65
	MSUW-35-NO	●	Rc1 1/4"	24.0	35	-5~+80	0~0.5	0~0.7	0~0.5	0~0.7	—	—	$0\sim10^{-3}$	123	140	48	2.5
	MSUW-40-NO	●	Rc1 1/2"	28.0	40	-5~+80	0~0.5	0~0.7	0~0.5	0~0.7	—	—	$0\sim10^{-3}$	123	140	48	2.7
	MSUW-50-NO	●	Rc2"	48.0	50	-5~+80	0~0.5	0~0.7	0~0.5	0~0.7	—	—	$0\sim10^{-3}$	167	150	48	4.73

* High pressure type use N.O. coil. * Connect air source to outlet port for vacuum application.
* Please consult your sales representative for other customization requirement.