MBS series

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

mindman

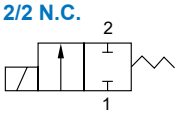
Selection table

Seal material

Caution for safety
(Read before installing)







Specification

- IP65 waterproof coil.
- Continuous cycle, 100% ED
- Ex coil is EExm II T4 or EEx ia II C T6 PTB approval.
- Ambient temp.: -15~50°C
- Voltage tolerance: ±8%
- Installing position is free. (You'd better put the coil upright)

Power consumption

Coil power	2	3	2E
AC (VA)	6.9	8.0	5.3
DC (W)	6.0	6.8	5.2

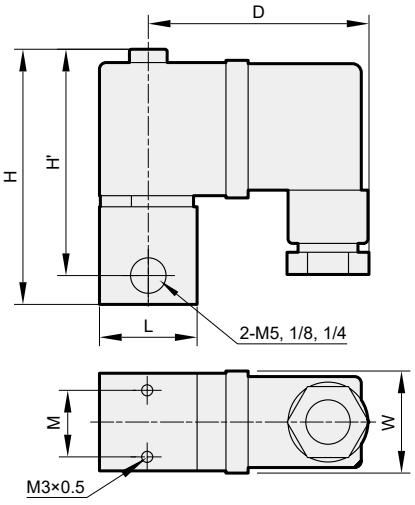
Dimensions

Model		MBS			
Code / Dimension (mm)		**01**	**03**	**04**	**06**
D	#2	51	51	51	51
	#3	54	54	54	54
	#2E	48	48	48	48
H		54	58	60	60
H'		49	51	51	51
L		22	22	35	35
M		15	15	11	11
W	#2	22	22	22	22
	#3, 2E	30	30	30	30
N.W. (kg)	#2	0.16	0.17	0.20	0.18
	#3	0.21	0.22	0.25	0.23
	#2E	0.48	0.49	0.52	0.50

Order example

MBS — 03 — 2 — N — 2 — D — AC110 — □

- **MODEL**
- **CODE**: **01**: M5, **03**: 1/8, **04**: 1/8, **06**: 1/4
- **FIG.**: **1, 2, 3, 4, 5, 6, 7**
- **SEAL MAT'L**: **N**: NBR, **J**: EPDM, **V**: Viton, **T**: Teflon (*1), **Z**: FFKM
- **COIL**: **2**: #2, **3**: Bigger, **2E**: Explosion-Proof (*2)
- **PLUG**: Blank: DIN, **D**: LED, **G**: 1/2" NPT, **Y**: 2 wires (only for coil #2)
- **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. When the seal material is (**T**) Teflon, the valve has slight leakage.
*2. Explosion-Proof (**2E**) coil with LED (**D**) plug is not applicable.

Specification

Model **MBS**: Brass body, mini 2/2 way N.C. for air, gas, water, vacuum, light oil (50cst down) etc.

Code (Port)	Fig. no.	Seal mat'l	Coil	Orifice mm	Temp.°C										Max. O.P.D bar (Min. 0 bar)						CV	VAC. torr
					Coil 2, 2E					Coil 3					Coil 2		Coil 3		Coil 2E			
					N	J	V	T	Z	N	J	V	T	Z	AC	DC	AC	DC	AC	DC		
01(M5) 03(1/8) 04(1/8) 06(1/4)	1	N J V T Z	2 3 2E	1.0	-5 ~ 80	-10 ~ 80		-20 ~ 80		-5 ~ 80	-10 ~ 145				30						0.03	10^{-2}
	2			1.3											30	24	30	30	30	30	0.05	
	3			1.6											30	20	30	30	30	24	0.09	
	4			2.0											16	11	22	20	17	14	0.14	
	5			2.5											10	7	12	10	10	8	0.18	10^{-1}
	6			3.0											6	4	8	8	7	5	0.27	
	7*1			5.0											1	0.2	2	0.5	1	0.1	0.40	10

*1. Only for code 01(M5), 03(1/8).
*2. Connect air source to outlet port for vacuum application.