MZS series

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

mindman

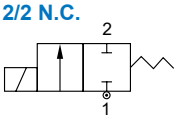
Selection table

Seal material

Caution for safety
(Read before installing)



2/2 N.C.



Specification

- IP65 100% ED coil.
- PTB approval EExm II T4 coil.

Power consumption

Coil power	4	5	3E
AC (VA)	18.0	24.0	8.6
DC (W)	15.0	18.5	10.0

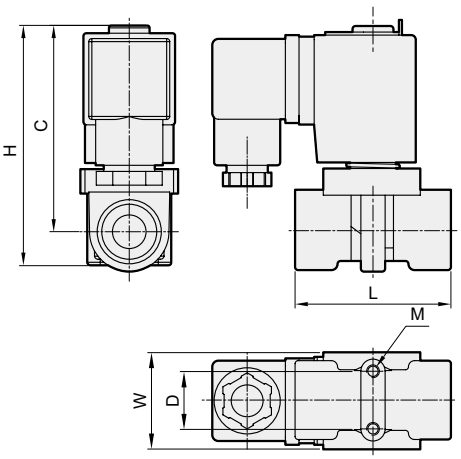
Dimensions

Model		MZS			
Code Dimension (mm)		03	06	10	15
L		41		51.5	
W	Coil 4	32			
	Coil 5	36			
	Coil 3E	36			
H		74.5		80.5	
C		66		68	
D		16		19	
M		M3×0.5		M4×0.7	
N.W (kg)	Coil 4	0.37	0.36	0.45	0.43
	Coil 5	0.45	0.44	0.53	0.51
	Coil 3E	0.67	0.66	0.75	0.73

Order example

MZS – 06 – 2 – N – 5 – □ – AC110 – □

- **MODEL**
- **CODE**: **03**: 1/8", **06**: 1/4", **10**: 3/8", **15**: 1/2"
- **FIG.**: **1**, **2**, **3**, **4**, **5**, **6**
- **SEAL MAT'L**: **N**: NBR, **J**: EPDM, **V**: Viton, **T**: Teflon (*1), **R**: RUBY (*1), **Z**: FFKM
- **COIL**: **4**: #4, **5**: Bigger, **3E**: Explosion-Proof (*2)
- **PLUG**: Blank: DIN, **D**: LED, **G**: 1/2" NPT
- **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 or (**R**) RUBY, the valve has slight leakage.
*2. Explosion-Proof (**3E**) coil with LED (**D**) plug is not applicable.

Model **MZS**: Forged brass body, 2/2 way N.C., for water, air, gas, light oil (50cst down), vacuum 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 4, 3E			Coil 5			Coil 4		Coil 5		Coil 3E			
					N	JV	TRZ	N	JV	TRZ	AC	DC	AC	DC	AC	DC		
03(1/8) 06(1/4) 10(3/8) 15(1/2)	1	N J V T R Z	4 5 3E	1.6	-5 ~ 80	-10 ~ 145	-20 ~ 160	-5 ~ 80	-10 ~ 145	-20 ~ 185	30	20	40	30	25	20	0.10	10^{-2}
	2			2.0							24	14	30	28	16	12	0.15	
	3			2.5							17	10	24	20	10	8	0.20	
	4			3.0							10	6	16	13	7	6	0.31	
	5			4.0							8	4	12	8	4.5	3.5	0.54	10^{-1}
	6			5.0							6	2	9	5	2.5	2	0.80	

* The max. orifice for seal T = 4.0mm, R = 2.5mm.
* Seal T and R will have slight leakage, so it will not be suitable for vacuum.