

MRB / MRC series

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



Selection table



Seal material



Caution for safety
(Read before installing)



Specification

- IP65 100% ED coil.
- PTB approval EExm II T4 coil.
- Opening: 5~20 ms, Closing: 10~40 ms

Power consumption

Coil power	2	2E	4	5	3E
AC (VA)	6.9	5.3	17.6/15.4	33/23	9.2
DC (W)	6.2	5.2	15	18.5	10
Ambient temp.	-15~50°C (No freezing)				

Dimensions

Model		MRB				MRC		
Code Dimension (mm)	03		06		03	06	10	
	2	2E	2	2E				
L	77		78.6		98			
H	50				53			
W	22	30	22	30	34			
S	19.5				16			
S'	—				8			
N.W (g)	NC	138	406	140	409	—		
	NO	146	466	141	461	450		

Order example

MRB — 06 — 2 — NO — N — 2 — □ — AC110 — □

MODEL
MRB
MRC

CODE
03: 1/8
06: 1/4
10: 3/8

FIG.
1, 2, 3,
4, 5

SEAL MAT'L
N: NBR
J: EPDM
V: Viton

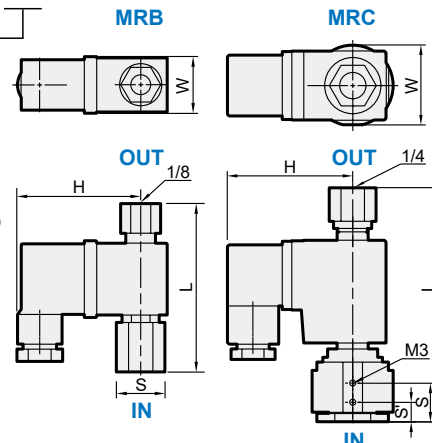
COIL
2, 2E
4, 5, 3E
(*)

PLUG
Blank: DIN
D: LED
G: 1/2" NPT
Y: 2 wires (only for coil #2)

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

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

NC: Normally closed
NO: Normally open
(MRB only)
Blank: Normally open
(MRC only)



* Explosion-Proof (2E/3E) coil with LED (D) plug is not applicable.

Specification

Model **MRB**: Brass body, 2/2 way N.C., N.O., for water, air, gas, light oil, vacuum.

Code (Port)	Fig. no.	Seal mat'l	Coil	Orifice mm	Seal temp. °C		Working press. 0~bar (AC/DC)		CV	VAC. torr
					Coil 2, 2E		Coil 2, 2E			
					V		NC	NO		
03(1/8)	1	V	2, 2E	1.3	-10~80	9	10	0.05	10 ⁻²	
06(1/4)	2			1.5		5	8	0.09		

Model **MRC**: Brass body, 2/2 way N.O., for water, air, gas, light oil, vacuum.

Code (Port)	Fig. no.	Seal mat'l	Coil	Orifice mm	Seal temp. 5~°C						Working press. bar			CV	VAC. torr
					Coil 4, 3E			Coil 5			Coil 4	Coil 5	Coil 3E		
					N	J	V	N	J	V					
03(1/8) 06(1/4) 10(3/8)	1	N J V	4 5 3E	1.6	90	120	90	150	0~16	0~24	0~16	0.10	10 ⁻³		
	2			2.0					0~13	0~20	0~13	0.15			
	3			2.2					0~10	0~16	0~10	0.17			
	4			2.5					0~7	0~10	0~7	0.20	10 ⁻²		
	5			3.0					0~5	0~7	0~5	0.31			