

MWD / MWK series

2/2 WAY N.C. DIAPHRAGM TYPE SOLENOID VALVE



Selection table



Seal material



Caution for safety
(Read before installing)



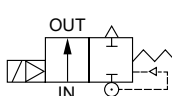
Specification

- IP65 waterproof coil.
- Continuous cycle, 100% ED.
- Ex coil is EExm II T4 PTB approval.
- Opening: 200~500 ms
Closing: 1000~4000 ms

Power consumption

Coil power	4	5	3E
AC (VA)	19.5	23.0	9.2
DC (W)	15.0	18.5	10.0

2/2 N.C.



Order example

MWD - 15 - J - 5 - G - □ - M - AC110 - □

MODEL

MWD
MWK

CODE

10, 15, 20, 25,
32, 40, 45, 50

COIL

4: #4
5: Bigger
3E: Explosion-Proof (*)

SEAL MAT'L

N: NBR
J: EPDM
V: Viton

PLUG

Blank: DIN
D: LED
G: 1/2" NPT

CONN.

Blank: Thread
F: Flanged

MANUAL

Blank: Without
M: With

VOLTAGE

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

PORT THREAD

Blank: Rc thread
G: G thread
NPT: NPT thread
(Not suitable for flanged)

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

Specification

Model **MWD**: Forged brass body, 2/2 way N.C., for water, air, LPG, light oil etc.

Code (Port)	Seal mat'l	Coil	Orifice mm	Temp.°C			Working press. (0.2~ bar)												CV
				Coil 4, 5, 3E	Coil 4				Coil 5				Coil 3E						
					AC		DC		AC		DC		AC		DC				
					N	J	V	Gas	Liquid	Gas	Liquid	Gas	Liquid	Gas	Liquid	Gas	Liquid	Gas	
10(3/8)	N J V	4 5 3E	18	-10 ~ 80	-10 ~ 145	12	10	1.5	1.5	13	12	5	5	5	2	1	1	3.2	
15(1/2)			12			10	1.5	1.5	13	12	5	5	5	2	1	1	4.2		
20(3/4)			10			8	1.5	1.5	12	10	5	5	5	2	0.7	0.7	8.0		
25(1)			9			8	1.2	1.2	12	10	4	4	5	2	0.5	0.5	11.0		
32(1 1/4)			9			8	1	1	12	10	3	3	4	2	-	-	16.0		
40(1 1/2)			9			8	1	1	12	10	3	3	4	2	-	-	21.0		
45(1 1/2)			8			3	-	-	10	7	1	1	4	0.1	-	-	26.0		
50(2)			8			3	-	-	10	7	1	1	4	0.1	-	-	31.0		

Model **MWK**: Forged brass body, 2/2 way N.C., for vacuum, water, air, gas, light oil etc.

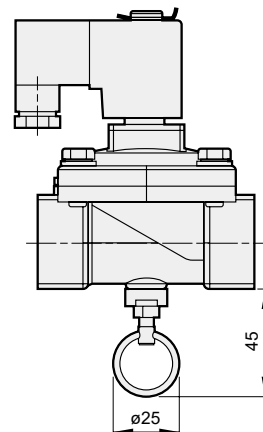
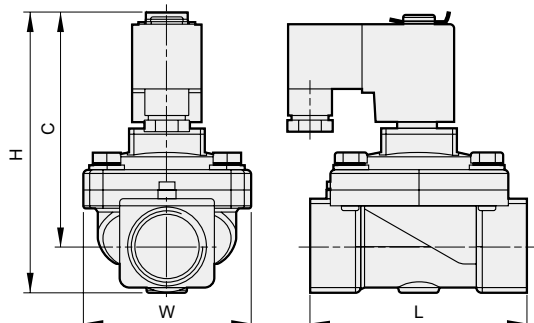
Code (Port)	Seal mat'l	Coil	Orifice mm	Temp. °C			Working press. (0~ bar)								CV	VAC. torr
				Coil 4, 5, 3E			Coil 4		Coil 5				Coil 3E			
							AC		AC		DC		AC			
				N	J	V	Gas	Liquid	Gas	Liquid	Gas	Liquid	Gas	Liquid		
10(3/8)	N J V	4 5 3E	18	-10 ~ 80	-10 ~ 145	10	7	12	10	4	4	7	2	3.2	10 ⁻²	
15(1/2)			18			10	7	12	10	4	4	7	2	4.2		
20(3/4)			23			9	7	11	10	3.5	3.5	7	1.5	8.0		
25(1)			28			9	6.5	11	10	3	3	7	1.2	11.0		
32(1 1/4)			33			8	5.5	10	10	2	2	7	0.8	16.0		
40(1 1/2)			33			8	5.5	10	10	2	2	7	0.8	21.0	10 ⁻¹	
45(1 1/2)			44			7	3.5	10	5.5	1	1	1	0.2	26.0		
50(2)			44			7	3.5	10	5.5	1	1	1	0.2	31.0		

* Connect air source to outlet port for vacuum application.

MWD / MWK Dimensions & Weight

2/2 WAY N.C. DIAPHRAGM TYPE SOLENOID VALVE

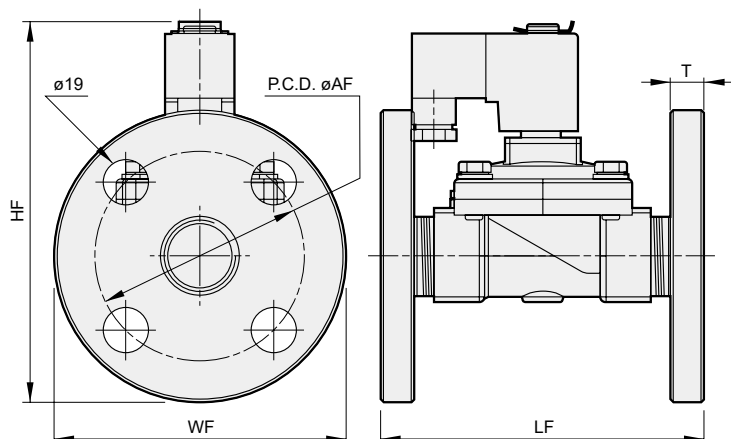
M With manual



CW: Close
CCW: Open

Model	MWD / MWK							
Code Dimension (mm)	10	15	20	25	32	40	45	50
C	93	95	99	107	107	118	118	
L	77	82	96	102	102	123	123	
H	107	112	119	135	135	152	152	
W	51	61	72	76	76	95	95	
N.W (kg)	Coil 4	0.86	0.83	1.02	1.42	2.10	1.85	3.80
	Coil 5	0.95	0.92	1.10	1.51	2.18	1.93	3.88
	Coil 3E	1.15	1.12	1.30	1.71	2.38	2.13	4.08

F Flanged (JIS10K)



Model	MWD-F / MWK-F				
Code Dimension (mm)	25	32	40	45	50
AF	90	100	105	105	120
HF	161	174	177	188	195
LF	138	155	155	175	175
T	14	16	16	16	16
WF	125	135	140	140	155
N.W (kg)	Coil 4	3.82	5.21	5.30	7.25
	Coil 5	3.90	5.30	5.38	7.34
	Coil 3E	4.10	5.50	5.59	7.54