MUST series

3/2 WAY N.C. PLUNGER TYPE **SOLENOID VALVE**

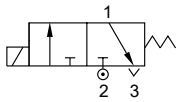
mindman

Selection table

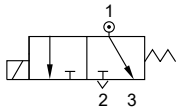
Seal material

Caution for safety
(Read before installing)

3/2 Function 1



3/2 Function 2



* O.P.D. of function 1, 2 refer to specification table.

Specification

- IP65 waterproof coil.
- Continuous cycle, 100% ED.
- Ex coil is EExm II T4 or EEx ia II C T6 PTB approval.

Power consumption

Coil power	2	3	2E	4	5	3E
AC (VA)	6.9	8.0	5.3	18.0	24.0	8.6
DC (W)	6.2	6.8	5.2	15.0	18.5	10.0

Dimensions

Model		MUST			
Code / Dimension (mm)		03	06	08	10
L		25	30	40	42
W	2	25	25	–	–
	3, 2E	30	30	–	–
F		22	22	29	29
H		58	63	86	87
C		51	53	75	75
D		18	23	31	31
M		M4	M4	M5	M5
A		–	–	22	–
N.W (kg)	2, 4	0.18	0.23	0.52	0.52
	3, 5	0.23	0.28	0.58	0.60
	2E, 3E	0.50	0.55	0.83	0.85

Order example

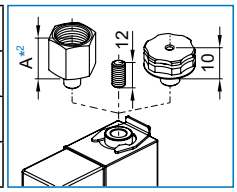
* Standard port thread: Rc thread.
G and NPT thread please contact our sales.

MUST – 06 – 2 – N – C – 5 – D – A – AC110

- MODEL: MUST
- CODE: **03**: 1/8, **06**: 1/4, **08**: 1/4, **10**: 3/8
- FIG.: **1**, **2**, **3**, **4**, **5**, **6**, **7**
- SEAL MAT'L: **N**: NBR, **J**: EPDM, **V**: Viton, **Z**: FFKM
- COIL: **2**, **3**, **2E**, **4**, **5**, **3E** (*1)
- PLUG: Blank: DIN, **D**: LED, **G**: 1/2" NPT, **Y**: 2 wires (only for coil #2)
- FIXED HOLE: Blank: Opposite, **A**: Diagonal (*3)
- VOLTAGE: **AC220**V(50/60)Hz, **AC110**V(50/60)Hz, **DC24**V

EXHUST ACCESSORIES

U	–	Without
F		PS female
C		Dust-proof & silencer cap
P		1/8" PS male

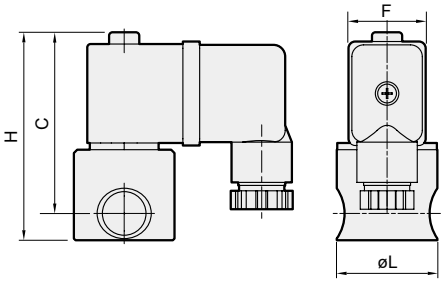


*1. Explosion-Proof (**2E/3E**) coil with LED (**D**) plug is not applicable.

*2.

Code	03	06	08	10
A	19	20	20	22

*3. Only for code **08**.

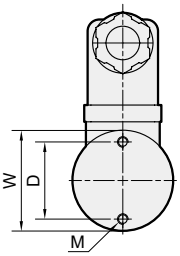


Specification

Model **MUST**: 303 S.S. bar body , for water, air, gas, light oil (50cst down) , vacuum. 3/2 way N.C., N.O.

Code (Port)	Fig. no.	Seal mat'l	Coil	Orifice mm		Temp.°C					Working pressure (0~ bar)						CV	Torr
						Coil 2, 2E			Coil 3		Coil 2		Coil 3		Coil 2E			
				Body	Tube	N	J V	Z	N	JVZ	Function							
											1	2	1	2	1	2		
03(1/8) 06(1/4)	2	N J V Z	2 3 2E	1.0	1.2	-5 ~ 80	-10 ~ 80	-20 ~ 80	-5 ~ 80	-10 ~ 145	6.5	7.0	8.0	9.0	5.5	5.5	0.03	10^{-1}
	3			1.3							6.0		7.0		4.8		0.05	
	4			1.6							4.0		5.5		3.5		0.09	
	5			2.0	1.5						2.8	5.0	3.5	7.0	2.0	3.5	0.14	
	6			2.5							1.2		1.5		0.8		0.18	

Code (Port)	Fig. no.	Seal mat'l	Coil	Orifice mm		Temp. °C						Working pressure (0~ bar)						CV	Torr
						Coil 4, 3E			Coil 5			Coil 4		Coil 5		Coil 3E			
				Body	Tube	N	JV	Z	N	JV	Z	Function							
												1	2	1	2	1	2		
08(1/4) 10(3/8)	1	N J V Z	4 5 3E	1.3	1.6	-5 ~ 80	-10 ~ 145	-20 ~ 160	-5 ~ 80	-10 ~ 145	-20 ~ 185	9.0	10	12	12	8.0	10	0.05	10^{-2}
	2			1.6								7.0		8.5		6.0		0.10	
	3			2.0	2.0							5.5	8.0	7.0	10	5.0	8.0	0.15	
	4			2.5	2.5							4.0	6.5	5.5	8	3.0	6.5	0.20	
	5			3.0	3.0							2.5	4.5	4.0	5.5	2.0	4.5	0.31	
	6			4.0								1.5		2.5		1.5		0.51	10^{-1}
	7			5.0								1.0		1.5		0.8		0.65	



A

Diagonal hole