



MD-C Series

Pilot-operated Type

N.O.

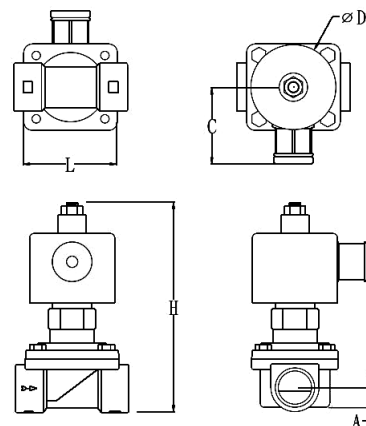
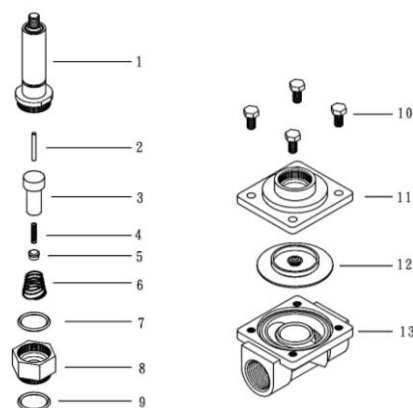
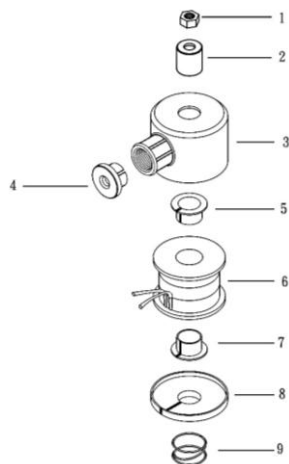
- Suitable for air, inert gases, vacuum (10 Torr), water, kerosene oil, and oil (Below 50 cst).
- Pilot operated, pressure range from 0.3kg*f/cm² to 10kg*f/cm².
- Can be mounted in vertical and horizontal position.

Water

Air

Gas

Oil



Main Parts List

NO.	Descriptions	Material
1.	Hexagon nut	SUS 304
2.	Coil sleeve	SUS 303L
3.	Coil bonnet	SUS 303L
4.	Lead cap	ABS
5.	Bobbin sleeve	SPC
6.	Coil	B class
7.	Bobbin sleeve	SPC
8.	Spacer	SPC
9.	Coil spring	SWP2

NO.	Descriptions	Material
1.	Plunger tube unit	SUS304, KM-31
2.	Needle stem	SUS 303L
3.	Seat sleeve	SUS 303L
4.	Plunger spring	SUS 304
5.	Plunger seat	H NBR
6.	Spring	SUS 304
7.	O ring	NBR
8.	Nut	SUS 303L
9.	O ring	NBR
10.	Hexagon bolt	SUS 304
8.	Valve bonnet	3/8"~1" (C3771BE) 1-1/4"~2" (BC6) 1/2"~2" (SCS13/SCS14)
12.	Diaphragm a'ssy	SUS304, BSBF(SUS304) NBR (EPDM) (Viton)
13.	Valve body	3/8"~1" (C3771BE) 1-1/4"~2" (BC6) 1/2"~2" (SCS13/SCS14)

Common Specification

Item	Description
Fluid	Water, Air, Gas, Oil
Fluid Temperature	-5 ~ 90°C
Power Source	AC 24, 110, 220, 380V 50/60Hz DC 12, 24V
Insulation Class	B Class = Max. 130°C
Power Consumption	DC : 21W AC : 26 VA
Fluid Viscosity	< 50 cst
Installation	Vertical / Horizontal
Operation	Normally Open
Coil type	Iron case type : IP54

Model Type

MD - ☐ ☐ WAGC - SCS13 - EP - M17 - L

Series

N/A : None L : LED (only for M17)

Coil · N/A : Iron case · M17 : Waterproof

Diaphragm · N/A : NBR · EP : EPDM · V : VITON

Body material · N/A : Brass · SCS13 : SUS304 · SCS14 : SUS316

Media · W : Water · A : Oil · G : Gas · C : Normally Closed

Size (PT or NPT) · 10 (3/8") · 15 (1/2") · 20 (3/4") · 25 (1") · 32 (1-1/4") · 40 (1-1/2") · 50 (2")

Valve Specification

Model	Connection	Orifice (mm)	Cv Value	Operating Pressure (kgf/cm ²)		Dimension (mm)					Weight (kg)
				Air, Water Inert gases	Oil (< 50cst)	L	H	A	C	D	
MD-10WAGC	PT 3/8"	16	3.7	0.3 - 10	0.3 - 7	70	147	15	56	Ø62	1.1
MD-15WAGC	PT 1/2"	16	3.7			70	147	15			1.1
MD-20WAGC	PT 3/4"	23	6.3			80	157	17.5			1.4
MD-25WAGC	PT 1"	28	8			90	167	23			1.7
MD-32WAGC	PT 1 1/4"	32	13			120	149	26			2.6
MD-40WAGC	PT 1 1/2"	40	20.3			136	159	32			3.5
MD-50WAGC	PT 2"	50	32			160	169	37			4.7