



MD Series

Semi Direct-acting Type

N.C.

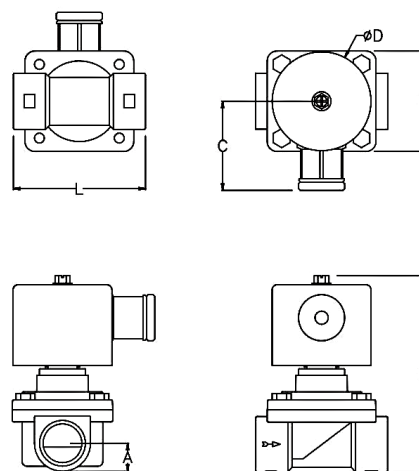
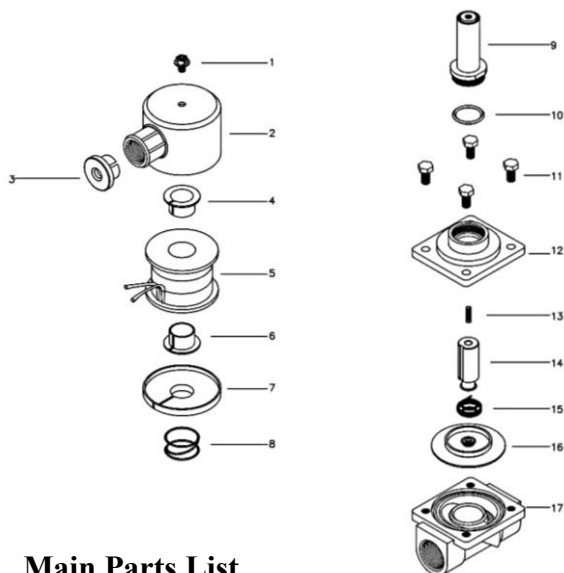
- Suitable for air, inert gases, vacuum (10 Torr), water, kerosene oil, and oil (Below 50 cst).
- Semi direct-acting diaphragm type solenoid valve, operating pressure range from vacuum (10 Torr) up to 10 kgf/cm², quick acting.
- Can be mounted in vertical and horizontal position

Water

Air

Gas

Oil



■ Main Parts List

NO.	Descriptions	Material	NO.	Descriptions	Material
1.	Bolt	SWRM	10.	O ring	NBR
2.	Coil bonnet	SPC	11.	Bolt	SUS304
3.	Lead cap	ABS	12.	Valve bonnet	3/8"~1" (C3771BE) 1-1/4"~2" (BC6) 1/2"~2" (SCS13/SCS14)
4.	Bobbin sleeve	SPC	13.	Plunger spring	SUS304
5.	Solenoid coil	B Class	14.	Plunger	KM-31
6.	Bobbin sleeve	SPC	15.	Spring	SUS304
7.	Spacer	SPC	16.	Diaphragm a'ssy	SUS304, BSBF(SUS304) NBR (EPDM) (Viton)
8.	Coil spring	SWP2	17.	Valve body	3/8"~1" (C3771BE) 1-1/4"~2" (BC6) 1/2"~2" (SCS13/SCS14)
9.	Plunger tube unit	SUS304, KM-31			

■ 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 Closed
Coil type	Iron case type : IP54 Waterproof : IP65

■ Model Type

MD - ☐ ☐ WAG H - SCS13 - EP - M16 - L

Series

N/A : None L : LED (only for M16)

Coil · N/A : Iron case · M16 : Waterproof

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

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

Pressure range (kgf/cm²) · N/A : 0-10 · H : 0-15 · U : 0-20

Media · W : Water · A : Oil · G : Gas

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 (g)
				Air, Water Inert gases	Oil (< 50cst)	L	H	A	B	C	D	
MD-10WAG	PT 3/8"	16	3.7	0 - 10	0-7	70	112	15	52	56	Ø62	1030
MD-15WAG	PT 1/2"	16	3.7			70	112	15	52			1030
MD-20WAG	PT 3/4"	23	6.3			80	122	17.5	62			1245
MD-25WAG	PT 1"	28	8			90	132	23	72			1620
MD-32WAG	PT 1 1/4"	32	13			120	130	26	83			2420
MD-40WAG	PT 1 1/2"	40	20.3			136	140	32	97			3330
MD-50WAG	PT 2"	50	32			160	150	37	112			4520