



MD (M16) Series

Semi Direct-acting Type

N.C.

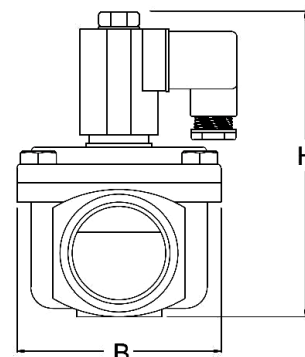
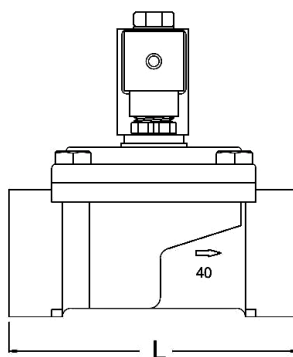
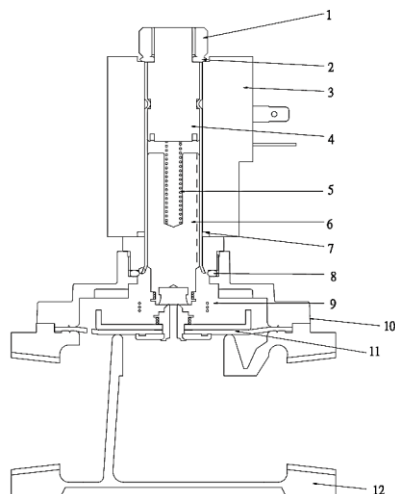
- Suitable for air, inert gases, vacuum (10 Torr), water, kerosene oil, and oil (Below 50 cst).
- Semi direct-acting diaphragm type solenoid valve, operating pressure range from vacuum (10 Torr) up to 10 kgf/cm², quick acting.
- Can be mounted in vertical and horizontal position

Water

Air

Gas

Oil



Main Parts List

NO.	Descriptions	Material	NO.	Descriptions	Material
1.	NUT	Aluminium	7.	O ring	NBR
2.	O ring	NBR	8.	O ring	NBR
3.	IP 65 molding coil		9.	Spring	SUS304
4.	Packless a'ssy	SUS304, KM-31	10.	Valve bonnet	3/8"~1" (C3771BE) 1-1/4"~2" (BC6) 1/2"~2" (SCS13/SCS14)
5.	Plunger spring	SUS304	11.	Diaphragm a'ssy	SUS304, BSBF(SUS304) NBR (EPDM) (Viton)
6.	Plunger	KM-31	12.	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
Power Consumption	DC : 26W AC : 35 VA
Fluid Viscosity	< 50 cst
Installation	Vertical / Horizontal
Operation	Normally Closed
Coil type	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)	H	L	B	
MD-10WAG-M16	PT 3/8"	16	3.7	0 - 10	0-7	80	70	57	860
MD-15WAG-M16	PT 1/2"	16	3.7			80	70	57	860
MD-20WAG-M16	PT 3/4"	23	6.3			90	80	65	1095
MD-25WAG-M16	PT 1"	28	8			100	90	74	1470
MD-32WAG-M16	PT 1 1/4"	32	13			136	120	83	2270
MD-40WAG-M16	PT 1 1/2"	40	20.3			146	136	97	3180
MD-50WAG-M16	PT 2"	50	32			156	160	113	4365

* Operating Pressure is 0 - 8 kgf/cm² for M16-DC24V