



MA-BFE Series

Semi Direct-acting Type

N.C.

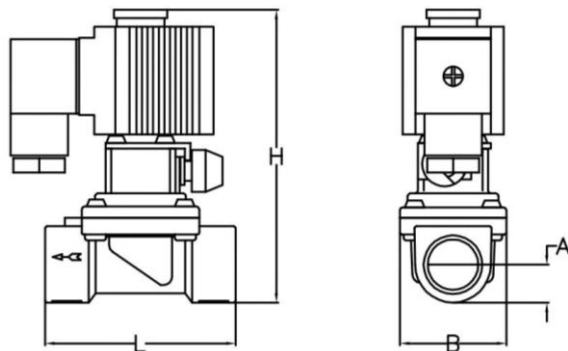
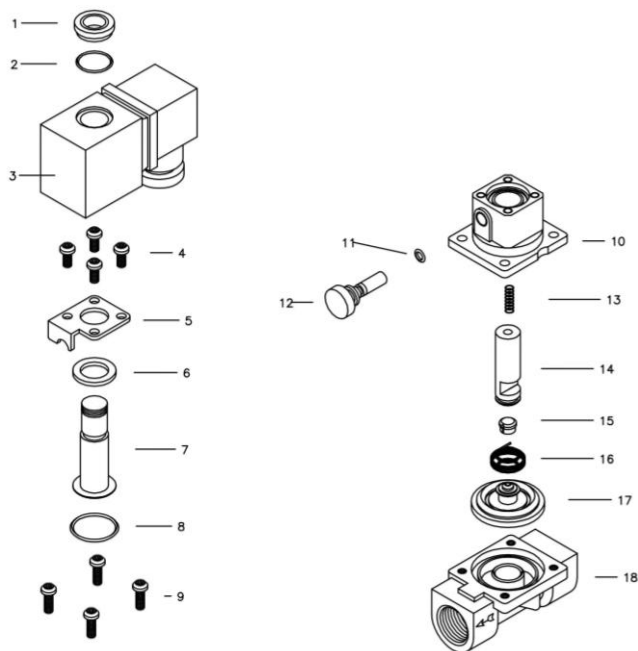
- Solenoid valve with manual knob, allowing valve operation during power outages.
- Diaphragm-type solenoid valve with high flow capacity.
- Suitable for various fluids such as air, inert gases, water, kerosene, and oil (below 50 cst).

Water

Air

Gas

Oil



Main Parts List

NO.	Descriptions	Material	NO.	Descriptions	Material
1.	Nut	Aluminum	10.	Valve bonnet	BSBF
2.	O ring	NBR	11.	O ring	NBR
3.	IP 65 Molding coil		12.	Manual button	AMC
4.	Bolt	SS304	13.	Spring	SUS304
5.	Plate	SPC	14.	Plunger	KM-31
6.	Washer	SPC	15.	Plunger seat	Viton
7.	Plunger tube unit	SUS304, KM-31	16.	Spring	SUS304
8.	O ring	NBR	17.	Diaphragm a'ssy	NBR or EPDM or Viton
9.	Bolt	SUS304	18.	Valve body	BSBF

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 : 21W AC : 20 VA
Fluid Viscosity	< 50 cst
Installation	Vertical / Horizontal
Operation	Normally Closed
Coil type	Waterproof : IP65

Model Type

M A - ☐ ☐ BFE - EP - M13 - L

Series

N/A : None L : LED (only for M13)

Coil · N/A : Iron case · M13 : Waterproof

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

Size · 10 (3/8") · 15 (1/2")

Valve Specification

Model	Connection	Orifice (mm)	Cv Value	Operating Pressure (kgf/cm ²)	Dimension (mm)				Weight (g)
					L	H	B	A	
MA-10BFE-M13	PT 3/8"	12	2.6	0 - 10	69	105	38	13.5	620
MA-15BFE-M13	PT 1/2"								