

VACUUM&AUTO-CONTROL TYPE 1K / 2K

MFSV1 MFSV2

PRESSURIZED&AUTO-CONTROL TYPE 1K / 2K

MFSP1 MFSP2

VACUUM&MANUAL-CONTROL TYPE 1K / 2K

MFEV1 MFEV2

PRESSURIZED&MANUAL-CONTROL TYPE 1K / 2K

MFEP1 MFEP2

The MFS/MFE series is a material supply-only equipment that transports and supplies 1-component and 2-component materials in a stable way. The device enables stable and economical process maintenance for a long period of time as it is possible to supply continuously and infinitely with one tank per material. It is a new concept of safety equipment that does not require industrial safety certification as it does not require compressed air. It is possible to freely adjust the vacuum degassing time, preheating function, and stirring function according to the characteristics of the materials.

By applying the vacuum pump, the inside of the tank containing the material can be kept in a vacuum state at all times. There is no hardening problem due to moisture in the air, so there is no need for cleaning a tank and the storage of liquid is excellent. Even if there is no separate degassing process (vacuum→pressurization→exhaust), the material remains completely degassed. It is suitable for preventing the hardening of materials that are particularly sensitive to moisture (polyurethane, conformal coating, etc.), and is a facility that can easily transport difficult liquids.

It is a new concept of a material feeding device that can additionally install various options in the facility according to the types of materials and the characteristics of the customers' processes. It can be combined with various dispensing devices and dispensers, so it is very easy to apply them to the production line. Composed of a tank of various capacities required for material supply and a tablet capable of a touch screen, it can be configured so that it is compact and easy to operate and maintain by the user.

Item	BASIC SPECIFICATIONS		Remarks
	MFS (AUTO-CONTROL)	MFE (MANUAL_CONTROL)	
Dimension WxHxD (mm)	1780 x 1950 x 900	1700x1300x600	*Based on STD V2020
Weight	≒ 250kg	≒ 200kg	*Weight & Size depends on the specifications of option product
Power	AC220V, 50/60Hz		
Power Consumption	250VA		
Tank Size	5L, 10L, 20L, 30L, 40L, 60L		*Special type can be custom-made
Operating Air Pressure	0.4~0.5MPa		
Feeding Air Pressure	0.1~0.5MPa		
User Interface	Touch PC (Windows10)	3WAY VALVE	
Temperature	10~40℃		
Humidity	10~85%RH		
Vibration Resistant	Less than 0.5G		
Controller	MSC-100	PEV	

MFS Automatic Control Type Series

With the user interface of the touch screen and the dedicated software installed, it is easy for the operator to operate and maintain. One-component and two-component options can be manufactured, and a variety of options are additionally applied to realize the supply of materials suitable for the customers' demands.

1K 2K AUTO VACUUM



1K 2K MANUAL VACUUM

MFE Series of Manual Control Type

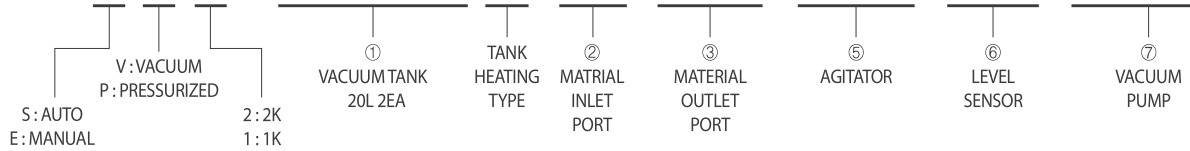
This specification is suitable for customers who want material feeding devices with similar performance at more reasonable prices. It is equipped with a manual control type dedicated controller controlled with a 3-way hand valve, so it is easy for the operator to operate and maintain and repair. One-component and two-component are possible to manufacture and a variety of options are additionally applied to realize the supply of materials suitable for customers' demands.



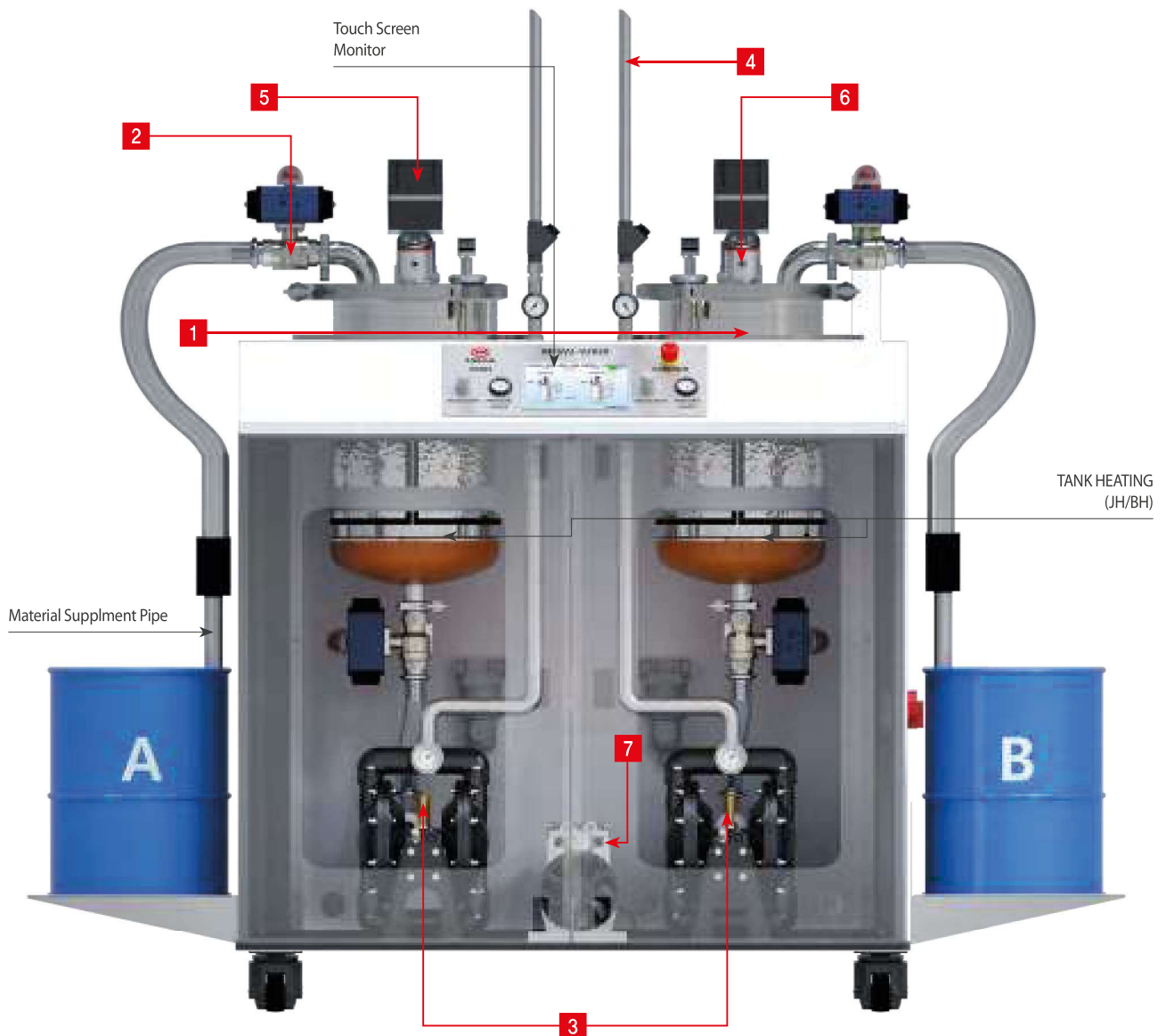
Model Naming(with Option)

(See page 57)

MFS V 2 - V 2020 BH - M1S - D25A1 - TAU90S - LT400 - GWSP150



❖ In the below of equipment images and option specification table, not all optional products required to configure the material feeding devices are displayed. A detailed consultation with our sales manager is required for accurate equipment manufacturing. Detailed consultation with our sales manager is required for accurate equipment manufacturing.



MFS / MFE 주요 옵션 사양

Option/Type		Model No.						Descriptions	Remarks
		[Pressure Type (P)]			[Vacuum Type (V)]				
		1K	2K	1K,2K	1K	2K	1K,2K		
1 MATERIAL TANK		P05	P3030D	P3030	V05	V6060D	V6060	*05 : SUS304 5L TANK *10 : SUS304 10L TANK *20 : SUS304 20L TANK *30 : SUS304 30L TANK *40 : SUS304 40L TANK *60 : SUS304 60L TANK **Note P20D : 20L Pressure Tank 2EA P3030 : 30L Pressure Tank 2EA V2010 : 20L Vacuum Tank 1EA & 10L Vacuum Tank 1EA V2020D : 20L Vacuum Tank 4EA	P : SUS304 Pressure Tank V : SUS304 vacuum Tank D : DUAL TANK, AUTO SWITCHING 1K : One Component 2K : Two Component JH : JACKET HEATING TYPE BH : BAND HEATING TYPE ◎ : STANDARD
		P10	P3020D	P3020	V10	V6030D	V6030		
		◎ P20	P3010D	P3010	◎ V20	V6020D	V6020		
		P30	P3005D	P3005	V30	V6010D	V6010		
		P05D	P2020D	◎ P2020	V40	V4040D	V4040		
		P10D	P2010D	P2010	V60	V4020D	V4020		
		◎ P20D	P2005D	P2005	V05D	V4010D	V4010		
		P30D	P1010D	P1010	V10D	V3030D	V3030		
			P1005D	P1005	◎ V20D	V3010D	V3010		
					V30D	V2020D	◎ V2020		
					V40D	V2010D	V2010		
					V60D	V2005D	V2005		
				V1010D	V1010				
				V1005D	V1005				
2 INLET/ TRANSFER PORT	MANUAL	◎ M1S						25A(Ø34) 1"	For 5L TANK
		◎ M1,5S						32A(Ø43) 1", 1/4"	For 10L - 60L TANK
	PIPE	M2,5S						50A(Ø60) 2"	For 20L - 60L TANK
		◎ P25A						HOSE 25-32	Viscosity 5,000cps
DIAPHRAGM	P32A						HOSE 32-39,5	50,000cps	
	D20A1						BSPT 3/4, 1:1	5,000cps	
3 OUTLET/ FEEDING PORT	PT OUTPUT	◎ D25A1						BSPT 1, 1:1	5,000cps
		T02						BSPT 1/4 TAP	For 5L TANK
		◎ T03						BSPT 3/8 TAP	For 5L - 20L TANK
	DIAPHRAGM	T04						BSPT 1/2 TAP	For 10L - 60L TANK
		T05						BSPT 3/4 TAP	For 20L - 60L TANK
		[5,000cps]			[20,000cps]				
		D20A1			D20A3			*20A1 : BSPT 3/4, 1:1	◎ : STANDARD
	D20A1C			D20A3C			*20A3 : BSPT 3/4, 3:1		
	◎ D25A1			D25A3			*25A1 : BSPT 1, 1:1		
	◎ D25A1C			D25A3C			*25A3 : BSPT 1, 3:1		
PROPUMP	TANK 5L-20L		TANK 10L-60L		TANK 20L-60L				
	P1500		P5000		P15K				
	P1500C		P5000C		P15KC		*1500 : PCP-1500	◎ : STANDARD Option : HEATING (H)	
	P1500D		◎ P5000D		P15KD		*5000 : PCP-5000		
	P1500DC		◎ P5000DC		P15KDC		*15K : PCP-15000		
			P50001500		P15K5000		*C : CIRCULATE		
		P50001500C		P15K1500C		*D : PUMP 2EA			
				P15K1500					
4 HOSE	TEFLON HOSE PFA (INCH)	TANK 5L-20L		TANK 5L-60L		TANK 10L-60L		TANK 20L-60L	
		PFA02		PFA03		PFA04		PFA05	
		PFA02D		PFA03D		PFA04D		PFA05D	
				PFA0503		PFA0504		PFA0505D	
				PFA0503D		PFA0504D			
				PFA043		PFA0404D			
				PFA043D					
				PFA0402					
				PFA0402D					
				PFA0303D					
			PFA0302						
			PFA0302D						
	HIGH PRESSURE HP (INCH)	TANK 5L-20L		TANK 5L-60L		TANK 10L-60L		TANK 20L-60L	
		HP02		HP03		HP04		HP05	
		HP02D		HP03D		HP04D		HP05D	
				HP0503		HP0504		HP0505D	
				HP0503D		HP0504D			
				HP043		HP0404D			
		HP043D							
		HP0402							
		HP0402D							
		HP0303D							
		HP0302							
		HP0302D							
5 AGITATOR / CIRCULATION	AGITATOR	◎ TAU40S						BLDC Motor, 40W, ϕ 60mm	For 5L TANK
		◎ TAU90S						BLDC Motor, 90W, ϕ 90mm	For 10L - 20L TANK
	CIRCULATION (INTERVAL)	◎ TAU150S						BLDC Motor, 150W, ϕ 150mm	For 30L - 60L TANK
		CIR20A						1/4", 1:1	For 5L - 10L TANK
CIR25A						1", 1:1	For 20L - 60L TANK		
6 LEVEL SENSOR	LEVEL TRANSMITTER		CAPACITANCE SENSOR		FLOAT SENSOR				
	LT200, 5L		CS01		FS200, 5L		*LEVEL TRANSMITTER	*All type of Capacitance Sensor can be applied to Tank of 5L~60L *Qty of Sensor : X01, X02, X03 - X01 : LOW LIMIT 1EA - X02 : LOW LIMIT/PRE each 1EA - X03 : LOW LIMIT/PRE each 1EA HIGH LIMIT 1EA	
	LT300, 10L		CS02		FS300, 10L		: BSPP 3/4, Capacity(200~700L)		
	LT400, 20L		CS03		FS400, 20L		*FLOAT SENSOR		
	LT500, 30L		CS04		FS500, 30L		: BSPP 3/4, Capacity(200~700L)		
	LT600, 40L				FS600, 40L		*CAPACITANCE SENSOR		
LT700, 60L						: M12 X (1~4EA)			
7 VACUUM PUMP	OIL TYPE	W2V20						200L/min	*Can be applied to Tank of 5L~60L *Qty of Pump : X1, X2, X4
	DRY TYPE (GEOWELL)	GWSP150						150L/min	
		GWSP300						250L/min	
	DRY TYPE (THOMAS)	TVP-2685						115L/min	
		TVP-2685D						230L/min	
DRY TYPE (EVP VACUUM)	EVP200PB						200L/min		

◎ : STANDARD