

MQL SEMI-DRY PRECISION APPLICATOR
Type **MK**

OPERATING INSTRUCTIONS

BEFORE USING

1) SUPPORTED LUBRICANT

Genuine lubricant **authorized by FUJI BC with straight and kinematic viscosity 10mm²/s or less.**

※Warranties are not applied to use flood coolant and/or unsupported straight oil not to meet requirement above, which cause applicator malfunctioning or discharge rate of atomized droplets decreased extremely.

2) DEDICATED NOZZLE

USE dedicated nozzle designed by FUJI BC. (Please refer to see replacement parts on page4)

※Atomized droplets would not be delivered to cutting edge if unsupported nozzle used.

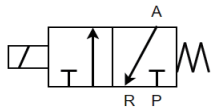
3) TUBING and PLUMBLING

- Size & Material : Outer diameter 6mm tubing (Nylon or SoftNylon)
- Maximum Length : 10m
- DO NOT plumb tubing as V or Y shaped to prevent micro-droplets from liquefying.
- 1 outlet - 1 plumb. (Quantity of atomized droplets are uneven as piping being separated from one outlet.)

SPECIFICATIONS

Supply Air	Remove dirt, oil content, and moisture.
Air Pressure	0.3~0.7MPa
Air Flow rate	Maximum 240L/min(ANR)
Inlet port	Rc1/4
Tank Capacity	2,000mL
Outlet	Φ6mm Fitting
Discharge rate (Maximum)	Approx. 100mL/hour (Vary on viscosity of lubricant)
Dimensions	W280×H400×D185mm
NET weight	Approx. 10kg (lubricant 2,000mL filled)
Operating temperature	+5~+50°C

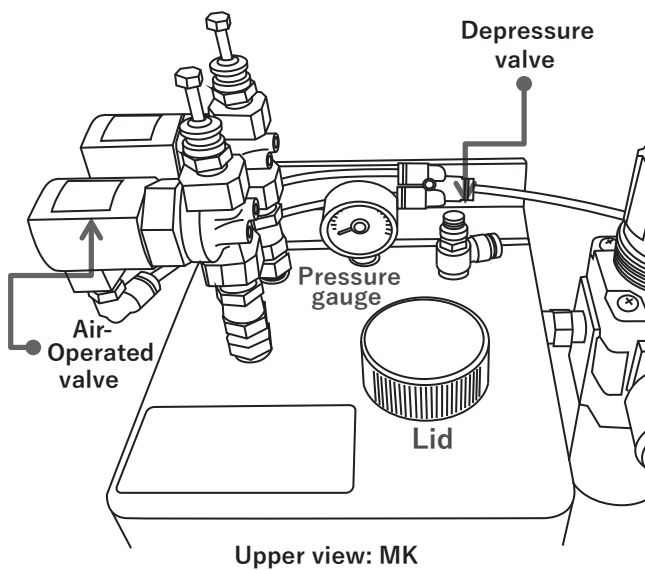
3-PORT VALVE OFFERED



3-port valve

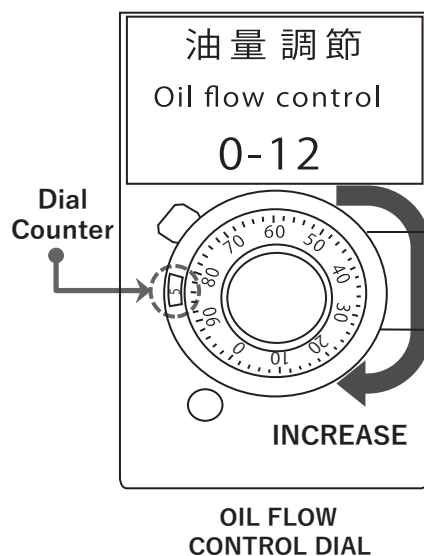
- The applicator is turned on and off by supplied air switched.
 - Model : MK□-SQ□
 - 3-port valve selected by FUJI BC.
 - Model : MK□-V□ (Solenoid valve: No | Air operated valve: Equipped)
 - Please select solenoid valve to fulfill requirements below.
 - Supported to grant air flow rate (240L/min(ANR))
 - 3-port valve (Single-Act, Normally closed)
- ※Refer to see symbolic image left. Air operated valve cannot be closed to exhaust supplied air.

FILLING LUBRICANT



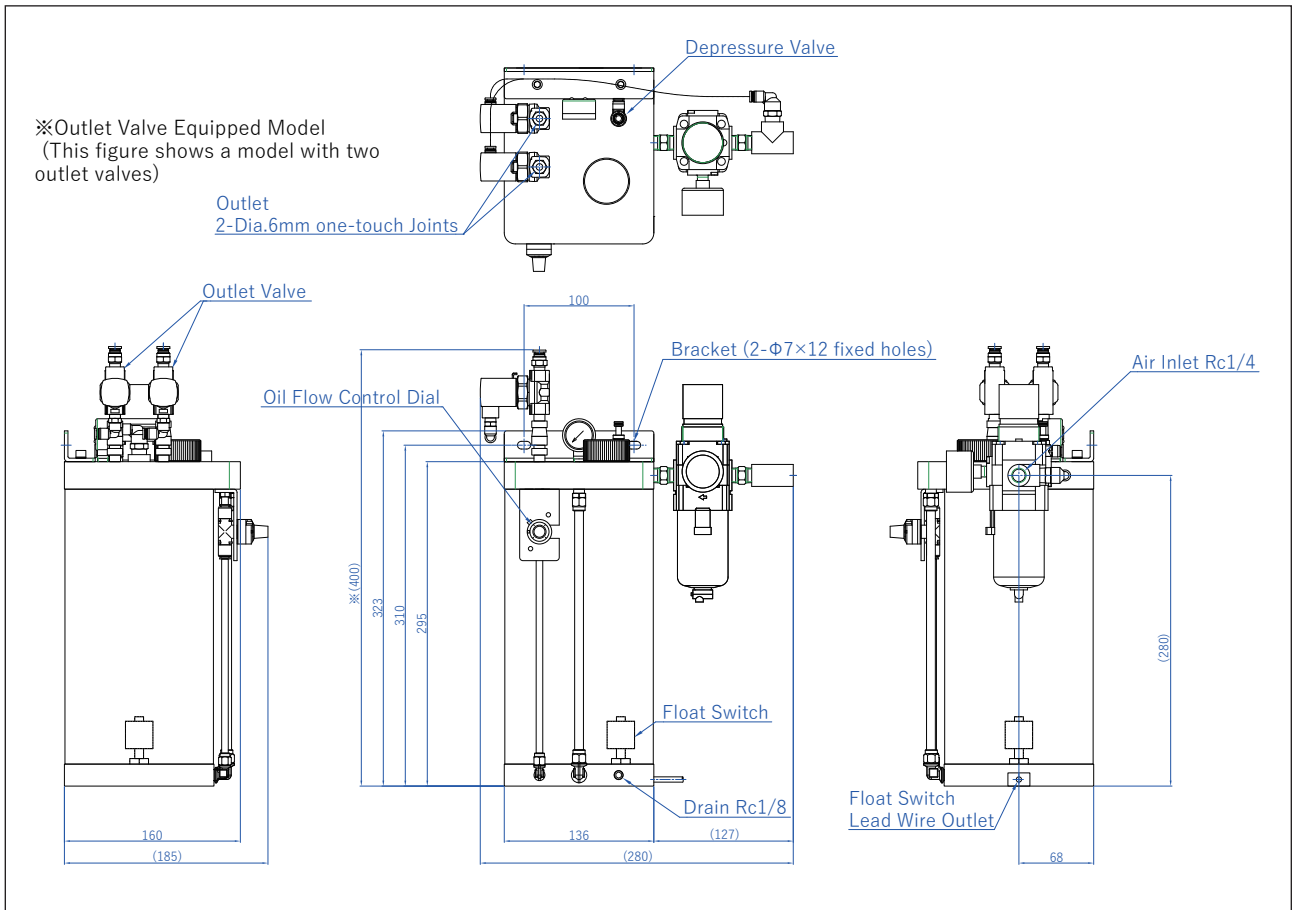
- ① Turn off applicator
- ② Check pressure gauge (upper view) is 0.
- ③ ※This step offers pressure remained inside only※
Turn depressure valve counterclockwise to release pressure remained inside to zero.
- ④ Turn lid counterclockwise to open cap.
- ⑤ Fill tank with lubricant.
- ⑥ Turn lid clockwise to close.
- ⑦ Turn depressure valve clockwise to close.
- ⑧ Turn on applicator.

SETTING DISCHARGE RATE

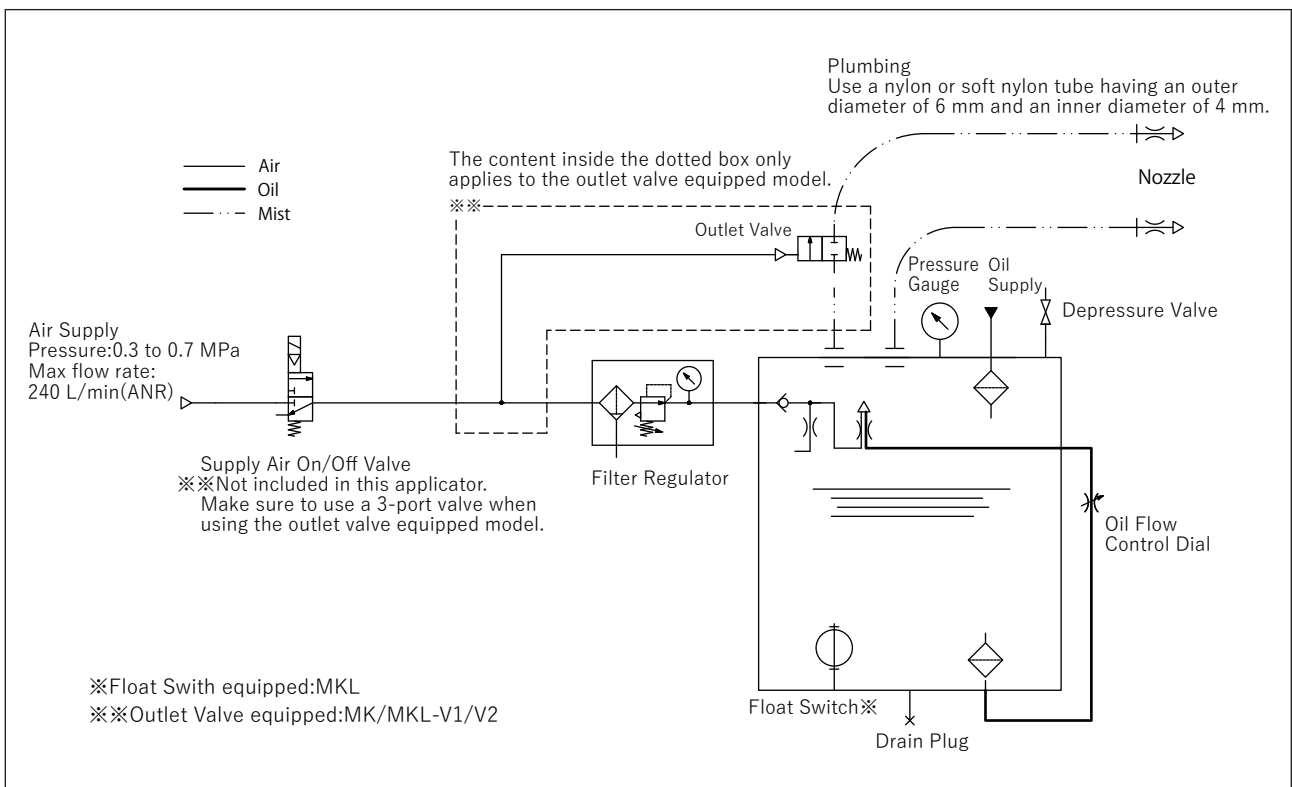


- **SETTING DISCHARGE RATE : DIAL COUNTER**
 - Clockwise: INCREASE
 - Counterclockwise: DECREASE
- **OPERATING RANGE : 0~12**
 - COUNTER 0 offers no fluid usage.
- **DIAL COUNTER up to 12:**
 - ※DO NOT regulate dial up to 14 while the counter being reached because discharge rate of atomized droplets would be overflow and sprayed unstable.

DIMENSIONS



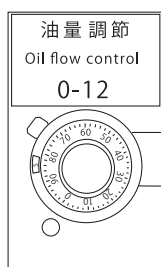
SCHEMATICS



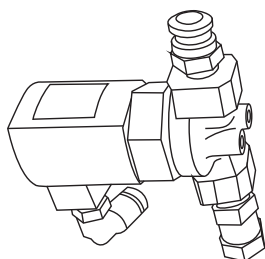
REPLACEMENT PARTS

No.	Name	Manufacturing	Part Number	Reference
1	Pressure Gauge	SMC	GA33-10-01	Equipped with Pressure gauge, R1/4 Brass Nipple
2	Air Filer Regulator	FUJI BC	9728	
3	Depressure valve	PISCO	JNC6-01	
4	Dial counter of discharge rate	FUJI BC	DVL-SX	
5	Lid D42×M27	FUJI BC	101-MP-1001	
6	Mesh Filter φ21×50	FUJI BC	102-TNK-2103	
7(※)	Outlet air operated valve set	FUJI BC	VXA2120A-R1/8XT6	
8(※)	SS Flexible nozzle 350mm with MB	FUJI BC	MSSFMB-R1/8x1.6-T6	For 1 outlet
9(※)	Copper nozzle with MG base T6-1.7	FUJI BC	CPMB-R1/8-T6-1.7	
10(※)	Nozzle Block Circular Saw 12	FUJI BC	NBCS12T-6	
11(※)	Nozzle Block Circular Saw 22	FUJI BC	NBCS22T-6	For 2 outlets

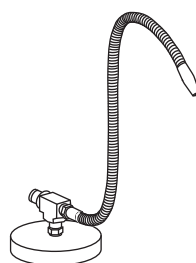
(※)Option



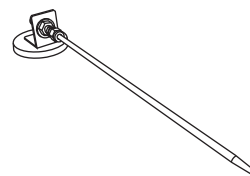
4.DVL-SX



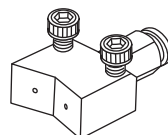
7(※)VXA2120A-R1/8XT6



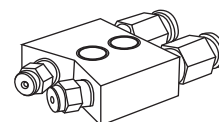
8(※)MSSFMB-R1/8x1.6-T6



9(※)CPMB-R1/8-T6-1.7



10(※)NBCS12T-6



11(※)NBCS22T-6

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