

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 10mm<sup>2</sup>/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.

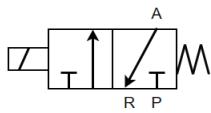
#### 3) TUBING and PLUMBLING

- 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

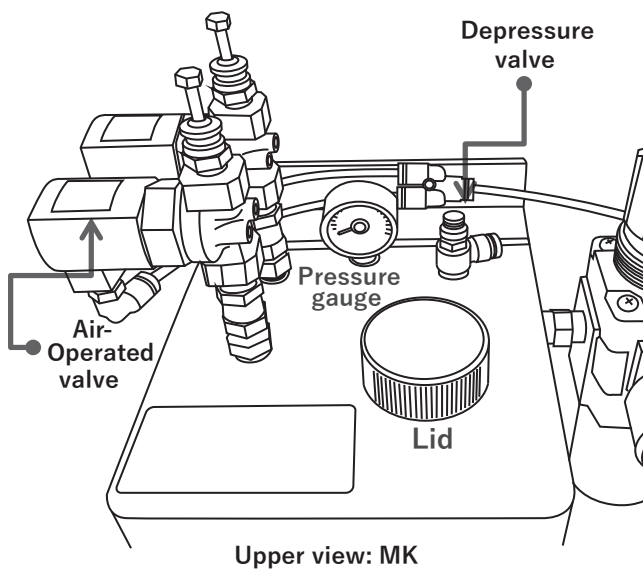
- The applicator is turned on and off by supplied air switched.
- Model : MK□-SQ□
  - 3-port valve selected by FUJI BC.
- Model : MK□-V□ (Solenoid valve: No | Air operated valve: Equipped)
 

Please select solenoid valve to fulfill requirements below.

  - Supported to grant air flow rate (240L/min(ANR))
  - 3-port valve (Single-Act, Normally closed)

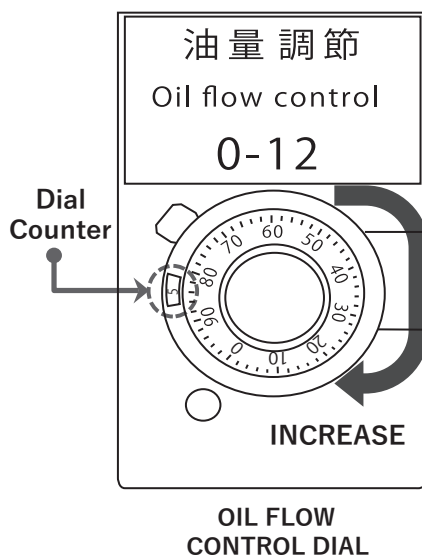
※Refer to see symbolic image left. Air operated valve cannot be closed to exhaust supplied air.

## 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

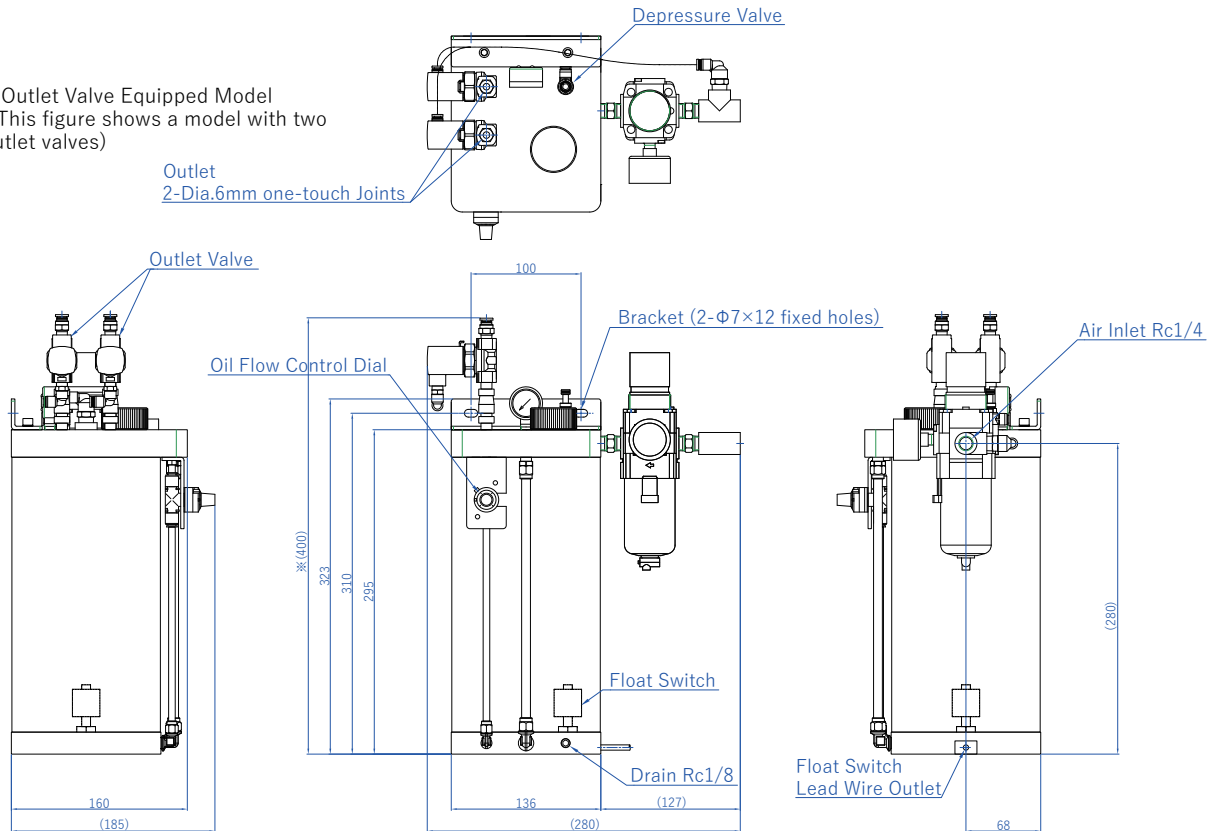


- **SETTING DISCHARGE RATE : DIAL COUNTER**
  - Clockwise: INCREASE
  - Counterclockwise: DECREASE
- **OPERATING RANGE : 0~12**
  - COUNTER 0 offers no fluid usage.
- **DIAL COUNTER up to 12:**

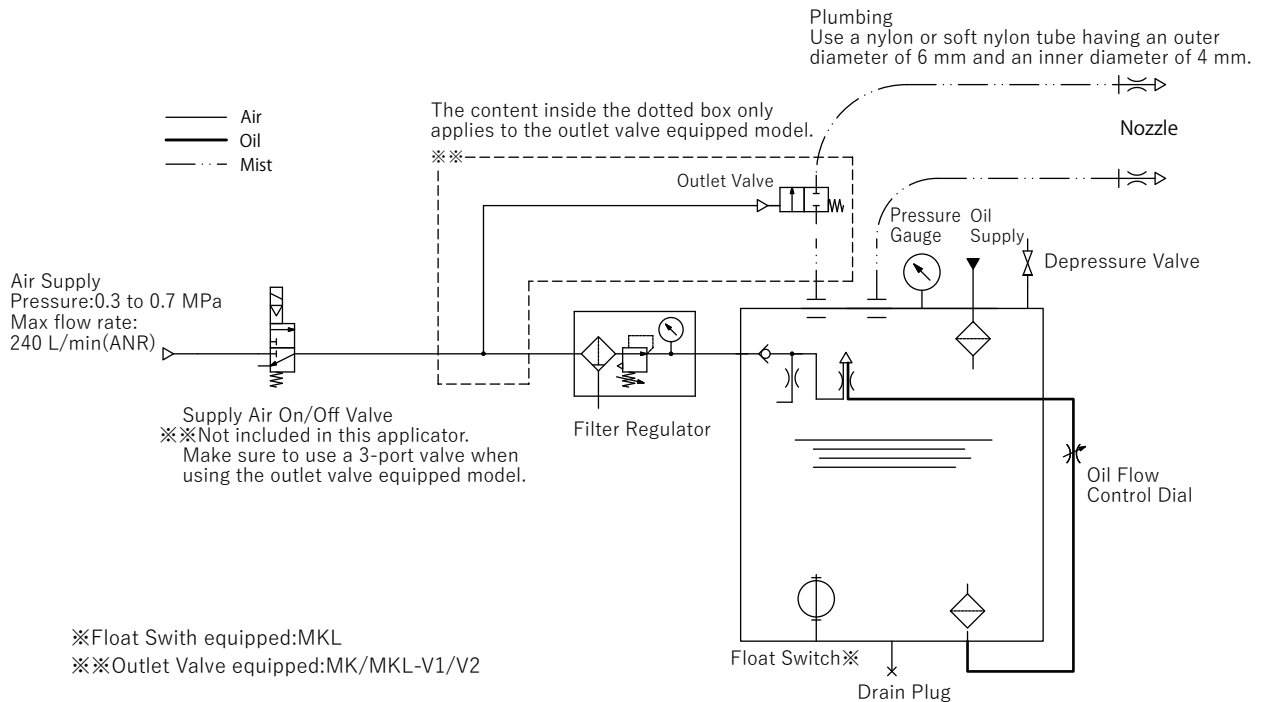
※DO NOT regulate dial up to 14 while the counter being reached because discharge rate of atomized droplets would be overflow and sprayed unstable.

## DIMENSIONS

※Outlet Valve Equipped Model  
(This figure shows a model with two outlet valves)



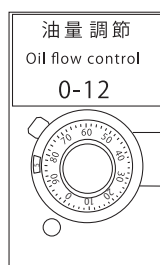
## SCHEMATICS



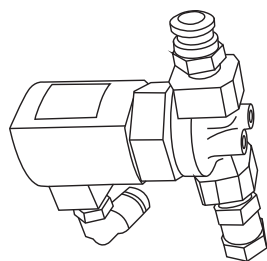
## REPLACEMENT PARTS

No.	Name	Manufacturing	Part Number	Reference
1	Pressure Gauge	SMC	GA33-10-01	AW30-02G-R-A + 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	Air operated valve to turn on and off outlet
8(※)	SS Flexible nozzle 350mm with MB	FUJI BC	MSSFMB-R1/8x1.6-T6	For 1 outlet For 2 outlets
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	

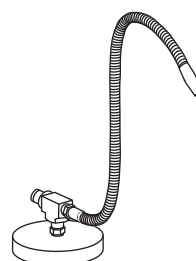
(※)Option



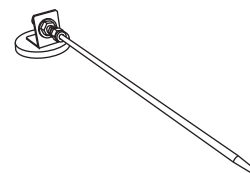
4.DVL-SX



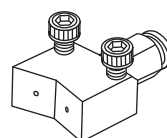
7(※)VXA2120A-R1/8XT6



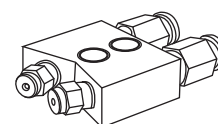
8(※)MSSFMB-R1/8x1.6-T6



9(※)CPMB-R1/8-T6-1.7



10(※)NBCS12T-6



11(※)NBCS22T-6

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