

MQL SEMI-DRY PRECISION PUMP EXTERNAL APPLICATOR

INSTALLATION and OPERATING INSTRUCTIONS

Type **FK/JK**



Thank you for purchasing MQL Semi-Dry system.

Please read the instructions before using this product and have it in store.

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FOR YOUR SAFETY	_
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BEFORE USING

This symbol indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate personal injury and/or damage to the equipment.



• Use genuine lubricants (Bluebe/MQuel). Non-genuine lubricant usage would cause applicator malfunctioning.

 \odot DO NOT use lubricant with low flash point to prevent machining or applicator from exploding and firing.

 Please make sure machine is turned off and turn applicator on manually when confirming lubricant and air provided. Machine and applicator running poses a risk of being injurious to human or a risk of being caught in machine.



Clean air must be supplied through air filter to remove dirt, oil content and moisture.



DO NOT disassemble applicator and components to cause precision pump malfunctioning.

CAUTINOS



Please make sure to prevent contaminations and chips from entering liquid reservoir to fill with lubricant.



Liquid level is above minimum level of reservoir or L Line of tank when liquid level in reservoir falls minimum level. Air inclusions prevent precision pump and applicator from operating.



Drain oil content, air and moisture from air filter regulator to keep air clean.



All FUJI BC precision pump applicators are backed with 1-YEAR Limited Warranty against defects in workmanship and/or materials. Warranty applies only when used under normal operating conditions. Any part which is returned to FUJI BC that is determined to be defective in workmanship and/or materials will be repaired or replaced with no charge in warrantied term from manufacturing date.

All Warranties, expressed and implied, are null and void if the equipment is subject to improper installation, misuse, neglect, and/or accident or if a lubricant other than FUJI BC brand lubricant is used in the warrantied equipment.

SPECIFICATIONS

	Pressure	0.4-0.7MPa (Operating)
Supplied Air (※)	Air Flow Rate	Over 60L/min (ANR) per one nozzle
	Inlet port	Rc1/4
Operating Temperature	5~50°C	
	(%) Remove dirt,	Oil content and moisture

INSTALLING

(1)Attach the applicator to the machine, make sure that it is as level as possible.

(2)It can be opened and closed for front and rear door of BOX regarding as FK model. Please read and follow instructions below for maintenance.

- 1) Keep enough room to open and close front and rear door.
- 2) Ensure wiring and piping tubes shall not cause disruption to open and close box.

CONFIGURATIONS IN FACTORY

LUBRICANT USAGE

Lubricant Control : Zero Point Frequency Generator : 1 cycle per second

AIR FLOW RATE

Airflow valve: Closed

PREPARING -APPLICATOR-

①Install liquid reservoir onto box and fill the reservoir with lubricant.

2 Make sure the air supply is connected (0.4 MPa-0.7 MPa)

③Adjust the air flow and fluid usage to see instructions respectively.

- · How to adjust air flow: air flow valve on page 5
- · How to set lubricant: fluid usage on page 6

COMPONENTS / HOW TO USE



Turning applicator on

Applicator is powered by compressed air. M type offers Manual valve and S type offers electric

solenoid valve to turn on applicator.

Standard JK model offers N "no valve". Manual valve and solenoid valve are optional specifications.

Airflow valve

Adjusting air flow rate (Page 5-3)

Precision Pump

Uses air pressure to power the pump cycle; provides consistent and accurate lubrication instantly.

Precision Pump has airflow valve and lubricant control valve (Page5-①).

See instructions how to set up on page5 and fluid usage on page6 respectively.

Liquid Reservoir

Make sure liquid level is above minimum level.

Double Tube

FK/JK type has double tube to carry compressed air and accurate lubricant. Capillary tube(#9360) that runs inside the braided air hose (#9363).

Nozzle

Several nozzles are available. This instruction shows Loc-Line nozzle with magnet base(#LLMB).



How to use

Adjust the stroke of the pump with the generator by using a small screwdriver to turn the dial (clockwise to decrease and counterclockwise to increase) within 3 strokes per 1 second. **PREPARING -NOZZLE-**











TROUBLESHOOTING



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