

# Air Line Kit AL-0201

## OPERATION MANUAL

Thank you for purchasing the Air Line Kit AL-0201. This device provides control unit or motor with clean airflow. Read this Operation Manual carefully before use.

### 1. CAUTIONS FOR HANDLING AND OPERATION

- Read these cautions carefully and only use in the manner intended.
- Warnings and cautions are intended to avoid potential hazards that could result in personal injury or damage to the device. These are classified as follows in accordance with the seriousness of the risk.

Class	Degree of Risk
<b>WARNING</b>	A safety hazard could result in bodily injury or damage to the device if the safety instructions are not properly followed.
<b>CAUTION</b>	A hazard that could result in light or moderate bodily injury or damage to the device if the safety instructions are not followed.

#### WARNING

- Handling**  
Operator should be an experienced and well-informed person in assembly, operation and service for the air compressor.
- Air Pressure**  
Use the compressed air. Do not exceed 1.0MPa at primary side and 0.6MPa at secondary side for the compressed air pressure.
- Use of Clean Air**  
Do not use the compressed air mixed with chemicals, compound oil containing organic solvent, salinity, or corrosive gas to avoid damage to the device.
- Connection of Hose**  
Connect hose securely to avoid accidental disconnection during use. Do not exceed 1.0MPa for air hose pressure. Make sure that the pressure of air compressor does not exceed 1.0MPa. If the pressure exceeds 1.0MPa, hose might burst.

#### CAUTION

- Use of dry air**  
Using the compressed air containing excessive moisture could result in malfunction or failure of air tools. In case large moisture condensation is found at Air Filter of this Air Line Kit, install a larger Air Filter or dryer before primary side of the Air Line Kit to prevent such a problem.
- Draining**  
Be sure to drain moisture condensation from Air Filter regularly to avoid moisture carried by air to the air tool.
- Installation Location**  
Place this device on a flat surface. When placing it on the wall, check if the wall is flat, and hang it horizontally.
- Handling**  
Care should be exercised and avoid breaking Plastic Bowl of Air Filter when it is removed for cleaning.

#### CAUTIONS FOR AMBIENT CONDITIONS

- Do not use the device where corrosive gas, chemicals, seawater, water, or steam exists.
- Do not use in the direct sunlight.
- Do not use where the device is subject to vibration or repetitive shocks.
- Do not use where heat source or radiated heat exists.

### 2. FEATURES

- The device supplies clean air to control unit or motor.
- It eliminates dirt and debris from compressed air.
- Air Pressure Regulator supplies steady airflow at the set air pressure.
- The device can be mounted on the wall.

### 3. SPECIFICATIONS AND DIMENSIONS

Primary Air Pressure	Less than 1.0MPa
Maximum Operation Pressure	0.6MPa
Maximum Peak Pressure	1.5MPa
Operating Temperature Range	5 - 65°C
Filtration	0.3µm
Set Pressure	0.04 - 0.6MPa
Relief Pressure	Set Pressure plus 0.05MPa
Dimensions (mm)	W230 × D110 × H200
Weight	1.9kg

#### Standard Accessories

- Hose (2m) • 1pc.
- Rubber padding • 4pcs.
- Screw • 4pcs.
- Washer • 4pcs.
- Operation Manual • 1set.

### 4. COMPONENT NAMES

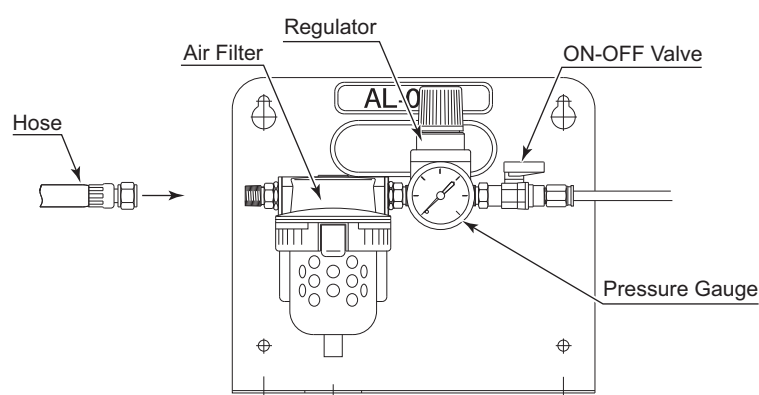


Fig. 1

### 5. COMPONENT PARTS

- Air Filter**  
Water, dirt and debris are separated from the compressed air and collected in Plastic Bowl. Drain by pushing Drain Valve sideways. (Fig. 2)

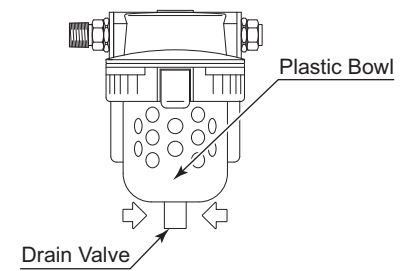


Fig. 2

- Air Pressure Regulator**  
To increase the air pressure, pull down Regulator Knob and turn it counterclockwise. Set at the optimum air pressure. (Fig. 3)

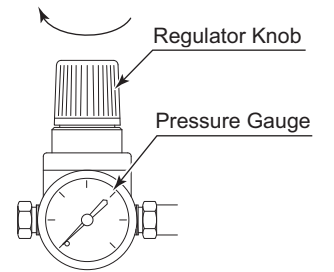


Fig. 3

- Pressure Gauge**  
Check the air pressure with this gauge. (Fig. 4)

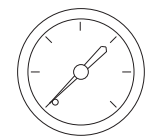


Fig. 4

- ON-OFF Valve**  
Make quarter-turn for ON-OFF Valve to open or close.

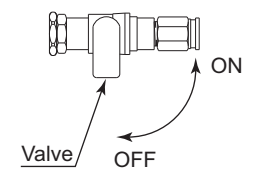


Fig. 5

### 6. CONNECTION AND INSTALLATION

- Connect the provided hose to Primary Joint. (Fig. 6)
- Connect Secondary Joint and Intake Joint on the control unit with a φ6.0mm air hose. When connecting it to Motor, use a φ4.0mm air hose and an optional reducer (φ4 - φ6 adapter). (Fig. 6)

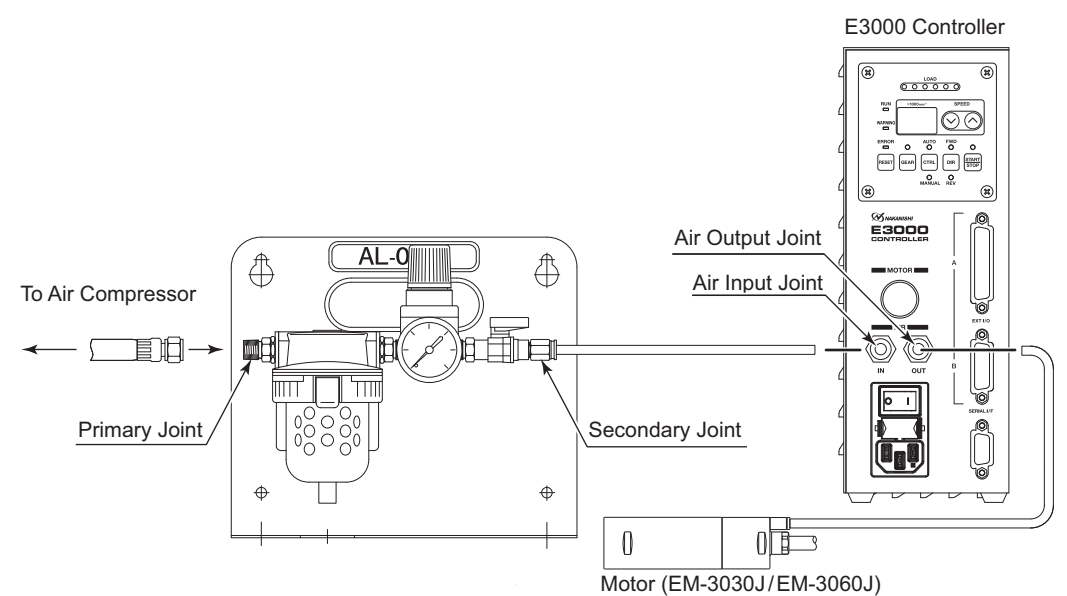


Fig. 6

- To carry Air Line Kit, mount four rubber paddings and place it on a flat surface. When mounting on the wall with screws in Holes for Wall Attachment at the back of Air Line Kit, put washers between the back and the wall.

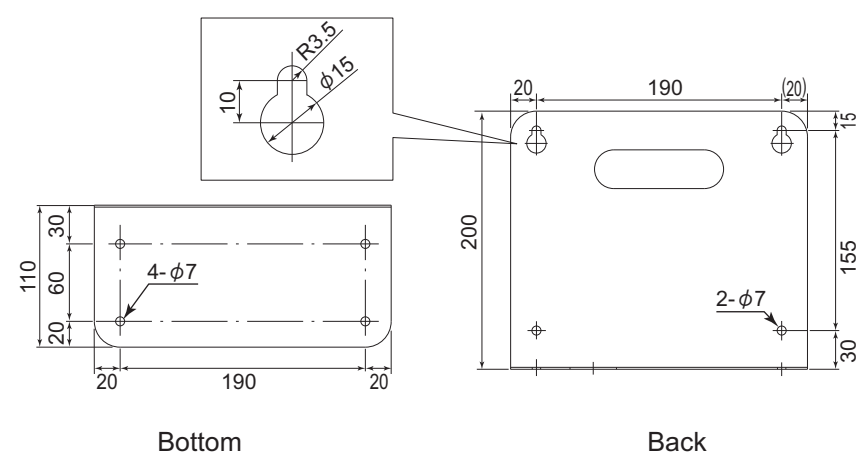


Fig. 7

### 7. TROUBLESHOOTING

If a problem or concern occurs, please check the following prior to consulting your dealer.

Trouble	Inspection/Corrective Action
Broken hose.	Replace the hose.
No air flow.	Check the power supply and the air outlet of the air compressor.
	Check if hose is broken, bent or disconnected.
	Check Regulator and set at the correct air pressure. Check every hose connection.
Air leakage.	ON-OFF valve is OFF position. The ON-OFF valve set to ON position.
Air leakage.	Check the joint and re-tighten screws.
Low pressure.	Check the Compressor, Air Circuit, and Regulator.
Water, dirt and debris are collected in the air filter.	Drain water, dirt and debris from the air filter.

※Specifications may be changed without notice.

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