NAKANISHI

AIR LINE KIT

AL-982

OPERATION MANUAL

OM-K0236E 001

Thank you for purchasing this device. This product provides control unit and spindle with clean airflow.
Read this Operation Manual carefully before use to ensure years of trouble-free operation.

1. CAUTION FOR HANDLING AND OPERATION

■ Read these cautions carefully and only use in the manner intended.
■ These 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
⚠ WARNING	**A safety hazard could result in bodily injury or damage to the device if the safety instructions are not properly followed.**
⚠ CAUTION	**A hazard that could result in light or moderate bodily injury or damage to the device if the safety instructions are not followed.**

⚠WARNING

① **Handling**
Operator should be an experienced and well-informed person in assembly, operation and service for the air compressor.
② **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.
③ **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.
④ **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

① **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.
② **Draining**
Be sure to drain moisture condensation from Air Filter regularly to avoid moisture carried by air to the air tool.
③ **Installation Location**
Place this device on a flat surface.
④ **Handling**
Care should be exercised and avoid breaking Plastic Bowl of Air Filter when it is removed for cleaning.

⚠ CAUTIONS FOR AMBIENT CONDITIONS

① **Do not use the device where corrosive gas, chemicals, seawater, water, or steam exists.**
② **Do not use in the direct sunlight.**
③ **Do not use where the device is subject to vibration or repetitive shocks.**
④ **Do not use where heat source or radiated heat exists.**

2.FEATURES

① The device supplies clean air to control unit or spindle.
② It eliminates dirt and debris from compressed air.
③ The adjustment of air pressure can be made freely.
④ Compact and light weight model makes the handling easy.
⑤ Easy to carry around with the handle.

3. SPECIFICATIONS

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	W300 × D220 × H195 (mm)
Weight	2.5kg

Standard Accessories	
• Hose (2m) • • 1pc.	• Operation Manual • • 1set.

4. COMPONENT NAMES AND CONNECTION

① Connect the provided air hose to primary joint. (Fig. 1)
② Connect secondary joint and intake joint on the control unit with a φ6mm air hose. (Fig. 1)

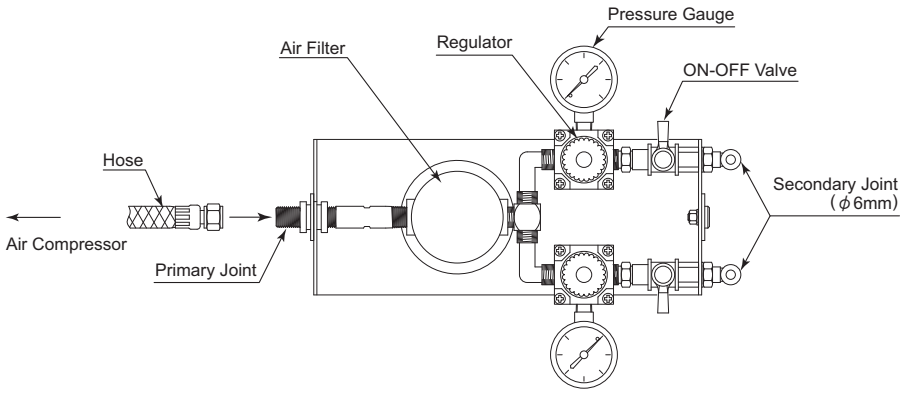

Fig. 1

5. COMPONENT PARTS

① 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)

② Air Pressure Regulator
To increase the air pressure, pull up Regulator Knob and turn it counterclockwise. Set at the optimum air pressure. (Fig. 3)

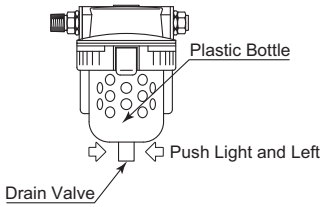

Fig. 2

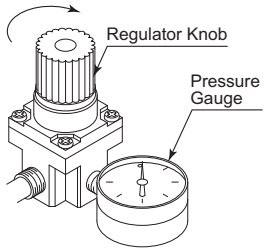

Fig. 3

③ Pressure Gauge
Check the air pressure with this gauge. (Fig. 4)

④ ON-OFF Valve
Make quarter-turn for ON-OFF Valve to open or close.(Fig. 5)

Fig. 4

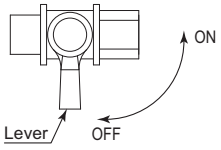

Fig. 5

6. 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.
	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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