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MODEL

FRL-705N

1/2" NPT Port Air Unit

Operation & Maintenance Manual

Description

The filter/regulator/lubricator combines a general purpose filter, oil lubricator and pressure regulator in one compact unit. The filter is designed to remove most liquid and solid particles from the air supply. The lubricators are designed to provide oil to the air tool and increase the life of the tool with compressed air pressure up to 215 psi.

Unpacking

After unpacking the unit, inspect carefully for any damage that may have occurred during transit. Make sure to tighten fittings, bolts, etc., before putting unit into service.

⚠ DANGER

is only used when your action or lack of action can cause serious injury or death.

⚠ WARNING

indicates a potential danger that requires correct procedures or practices to avoid personal injury.

⚠ CAUTION

is used to indicate correct operating maintenance procedures and practices to prevent damage to or destruction of equipment or other property.

Operator Responsibility

It is the operator's responsibility to read and understand all of the following safety statements:

⚠ WARNING

This product is a part of high pressure system and the following safety precautions must be followed at all times along with any other existing safety rules.

Read this instruction manual before installing this device to the air supply system. Be thoroughly familiar with the controls and the proper use of the equipment.

1. Safety glasses must be worn during operation. Always work in a well ventilated area.
2. Do not exceed the maximum pressure rating of any component in the system.
3. Protect air lines from damage and/or puncture.
4. Check air hose for weak or worn condition before each use. Make sure all connections are secure.
5. Keep all nuts, bolts and screws tight and ensure equipment is in working condition.

⚠ DANGER

This product is specifically designed for compressed air service ONLY. Use with any other material (liquid or gas) is a misapplication and not permitted. Use or injection of certain hazardous liquids or gases in the system (such as oxygen, alcohol or liquid petroleum gas) will harm the unit and result in a combustible condition or hazardous external leakage. Misapplication will void all warranties and manufacturer's responsibilities.

⚠ DANGER

The relief flow capacity of regulators is limited. Install additional pressure relief devices to alleviate over pressurized conditions. Written approval must be obtained from manufacturer if this device is to be used for life support systems or other non-industrial applications.

Zinko Hydraulic Jack

Model: **FRL-705N**

Operation/Maintenance

A. Filter

1. Inspect and replace cracked, damaged or deteriorated seals. Wipe bowls with a soft, dry cloth to clean.
2. Replace filter element: when filter element is dirty, reducing flow or filtration effect becomes less effective.
3. Drain water bowls at least once per work shift, by opening the manual drain to avoid spray or splatter.
 - a. When water exceeds the full level, please drain off the water. Press up bottom of brass drain body and it will start to drain.
4. Before placing the unit in service, make sure the bowl is installed and securely and locked in place.

B. Regulator

1. Before pressurizing system ensure the bowl is securely locked in place by hand tightening the bowl ring until it is fully engaged.
2. Unlock the regulator adjusting knob by pulling knob away from the regulator.
3. Turn the regulator adjusting knob counterclockwise until no load is on the regulating spring.
4. Turn on the air pressure supply and turn the adjusting knob clockwise until the desired outlet pressure is reached. Push the regulator adjusting knob toward the regulator to lock in desired pressure.

C. Lubricator

1. Before pressurizing system ensure the bowl is securely locked in place by hand tightening the bowl ring until it is fully engaged.
2. Fill the lubricator bowl with oil.
3. The oil flow is controlled by the oil flow adjusting knob (see Figure 1). Turn counterclockwise for more or clockwise for less, Oil delivery rate automatically adjust with changes in air flow.
4. The lubricator can be filled while the system is under pressure. Slowly remove the oil fill plug (see Figure 1) to allow relief of air pressure. After the oil fill plug has been removed pour oil into the lubricator and the replace it. Replace the oil fill plug before resuming operation. Alternatively, the bowl can be removed once the oil fill plug is removed. If the bowl is removed to replace the oil, be certain the bowl is back in place and bowl ring tight before replacing the oil fill plug.

