

WILKERSON®

Richland, MI 49083

Tel: (269) 629-5000

Installation & Service Instructions
83-294-000

Lubricator Model L17 with
Variations and Accessories

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WARNING

To avoid unpredictable system behavior that can cause personal injury and property damage:

- Disconnect electrical supply (when necessary) before installation, servicing, or conversion.
- Disconnect air supply and depressurize all air lines connected to this product before installation, servicing, or conversion.
- Operate within the manufacturer's specified pressure, temperature, and other conditions listed in these instructions.
- Medium must be moisture-free if ambient temperature is below freezing.
- Service according to procedures listed in these instructions.
- Installation, service, and conversion of these products must be performed by knowledgeable personnel who understand how pneumatic products are to be applied.
- After installation, servicing, or conversion, air and electrical supplies (when necessary) should be connected and the product tested for proper function and leakage. If audible leakage is present, or the product does not operate properly, do not put into use.
- Warnings and specifications on the product should not be covered by paint, etc. If masking is not possible, contact your local representative for replacement labels.

CAUTION

Polycarbonate bowls, being transparent and tough, are ideal for use with Filters and Lubricators. They are suitable for use in normal industrial environments, but should not be located in areas where they could be subjected to direct sunlight, an impact blow, nor temperatures outside of the rated range. As with most plastics, some chemicals can cause damage. Polycarbonate bowls should not be exposed to chlorinated hydrocarbons, ketones, esters and certain alcohols. They should not be used in air systems where compressors are lubricated with fire-resistant fluids such as phosphate ester and di-ester types.

Metal bowls are recommended where ambient and/or media conditions are not compatible with polycarbonate bowls. Metal bowls resist the action of most such solvents, but should not be used where strong acids or bases are present or in salt laden atmospheres. Consult the factory for specific recommendations where these conditions exist.

TO CLEAN POLYCARBONATE BOWLS USE MILD SOAP AND WATER ONLY! DO NOT use cleansing agents such as acetone, benzene, carbon tetrachloride, gasoline, toluene, etc., which are damaging to this plastic.

Bowl guards are recommended for added protection of polycarbonate bowls where chemical attack may occur.

INSTALLATION

1. Refer to above warning.
2. Install as close as possible to the equipment requiring lubrication.
3. Install the unit with the air flowing through the body in the direction indicated by the arrow.
4. Install a unit with the same pipe-size as the pipeline in use. Avoid using fittings, couplings, etc., that restrict the airflow or baffle the oil out of the air at the lubricator outlet.
5. After installation, for any filling or maintenance operation the air pressure to the lubricator must be turned OFF and the lubricator depressurized by removing fill plug and/or depressurized by removing fill plug and/or opening manual drain.

OPERATION

1. The maximum pressure and temperature ratings are: transparent plastic bowls, 150 PSIG (10,3 bar) and 125°F (52°C); metal bowls, 200 PSIG (14 bar) and 175°F (79°C).
2. The lubricator CANNOT BE FILLED without first shutting off air pressure and venting bowl. (Remove fill plug.) The bowl may be taken off, after the fill plug is removed, if a more rapid fill is required. DO

NOT PRESSURIZE until the fill plug, bowl and bowl guard are in position and locked into place.

3. Use clean oil preferably SAE 10 or lighter. The rate of oil delivery may be controlled by turning the adjusting screw counterclockwise for more and clockwise for less oil delivery. This lubricator is adjusted by reducing the airflow to the minimum SCFM required and setting the oil drip rate so the desired amount of oil is delivered to the point of use. The more the airflow increases, the more oil you will need and the more you will automatically receive. Ordinarily for approximately every 33 drops of oil observed at the drip tube in the sight dome, only one drop will remain in suspension for downstream lubrication. The rest will be reclaimed and returned to the oil reservoir. Therefore, do not under lubricate. If the application requires one drop of oil per minute, the lubricator should be set to deliver at least 33 drops per minute at the drip tube.
4. DO NOT OVERFILL BOWL; OIL LEVEL MUST BE BELOW THE RECLASSIFIER.

MAINTENANCE

1. Given clean operating conditions, this unit will be trouble-free. Drain off any contaminants that collect in the bottom of the bowl. Contaminates from dirty oil may collect on the siphon tube filter, requiring the filter to be washed in kerosene and blown off with an air blow gun.
2. IF OIL DELIVERY RATE DROPS, the lubricator should be cleaned. Shut off air supply and reduce pressure in the unit to zero. Make sure all the following passage ways are clean and free of solids or contaminants.
 - a. The oil passage way up through the siphon tube, filter, ball check, oil adjusting screw and into the sight dome area.
 - b. The oil passage way leading from the sight dome to the atomist generator.
 - c. The air passage way leading from the inlet port to the atomist generator. Also check that the flow guide is not damaged and properly in place. For plastic bowl units, the bowl may be cleaned by wiping with a clean dry cloth.
3. OIL NOT SPRAYING ONTO RECLASSIFIER – in addition to the reasons stated above, the mist generator might be plugged. Disassemble the reclassifier and pry out the misting nozzle with a screwdriver or knife blade. Clean the nozzle in kerosene and blow out holes with an air blow gun.

WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

This document and other information from The Company, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application, including consequences of any failure and review the information concerning the product or systems in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by The Company and its subsidiaries at any time without notice.

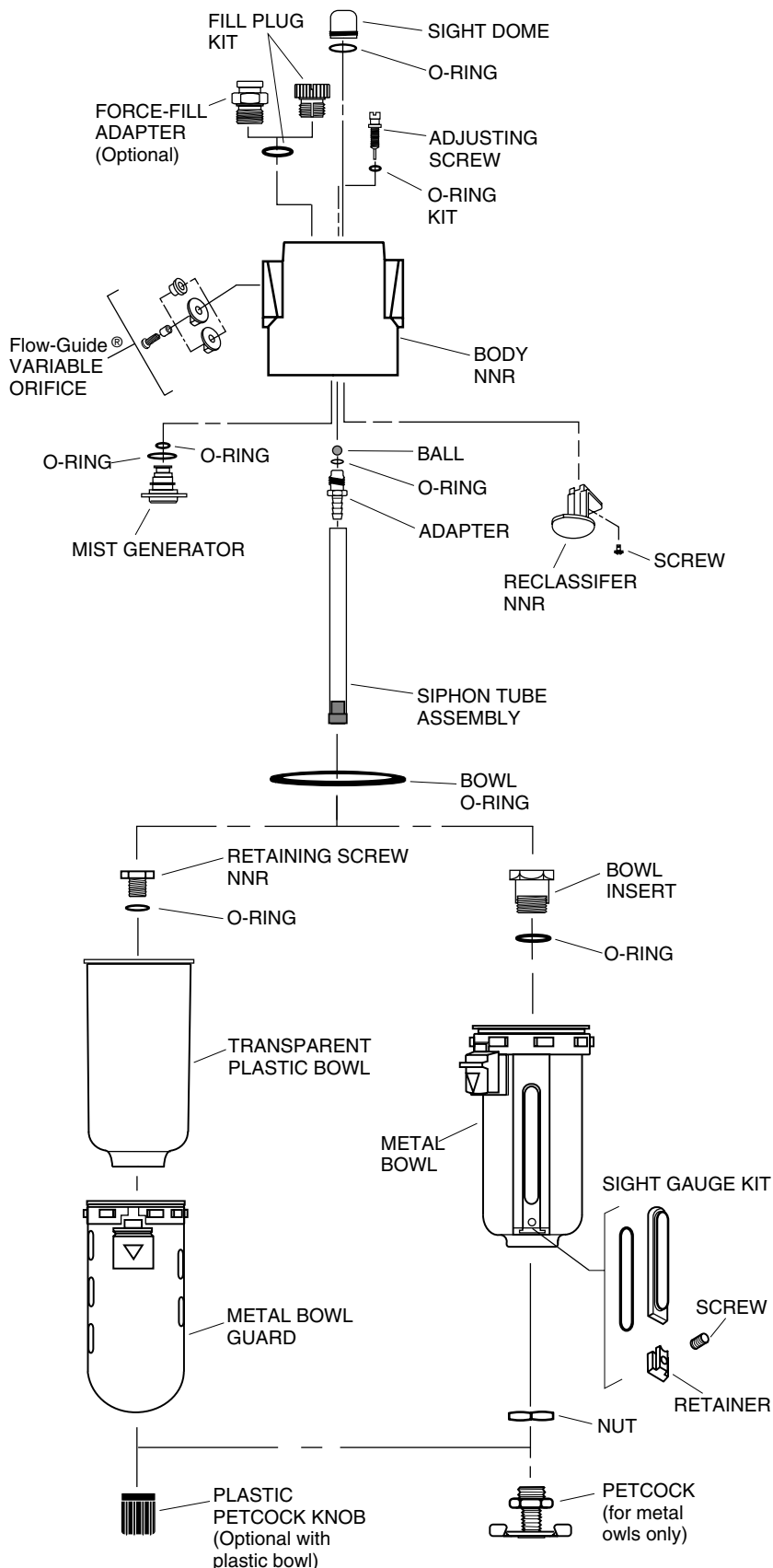
EXTRA COPIES OF THESE INSTRUCTIONS ARE AVAILABLE FOR INCLUSION IN EQUIPMENT / MAINTENANCE MANUALS THAT UTILIZE THESE PRODUCTS. CONTACT YOUR LOCAL REPRESENTATIVE.

REPAIR KITS AND REPLACEMENT PARTS

- O-Ring Repair Kit (bowl, fill plug, adjusting screw and sight dome o-rings) **LRP-95-202**
- O-Ring Kit for Adjusting Screw (10 per kit) **GRP-95-255**
- Bowl O-Ring Kit **GRP-95-009**
- Bowl Guard (includes plastic ring) **GRP-95-013**
- Siphon Tube Assembly Kit- 5-oz, size **LRP-96-005**
- AtoMist® Lubricator Generator Assembly **LRP-95-675**
- Sight Dome Kit **LRP-95-239**
- Fill plug kit **LRP-95-253**
- Flow-Guide® (1/4" models) **LRP-95-246**
- Flow-Guide® (3/8", 1/2" models) **LRP-95-247**
- Transparent Plastic Bowl Kits:
 - with bowl guard, plastic petcock **GRP-95-019**
 - Plastic Petcock Kit **LRP-95-181**
- Metal Bowl Kit with Petcock and Sight Gauge **GRP-95-133**
- Check Ball and O-ring Kit **LRP-95-310**

ACCESSORIES

- Wall Mounting Bracket **GPA-95-016**
- Tamper Resistant Kit **LRP-95-587**
- Force Fill Adapter **GRP-96-394**



NNR=NOT NORMALLY REPLACED