

# WILKERSON®

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Installation & Service Instructions  
83-293-000

Lubricator Model L16 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 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 line in use. Avoid using fittings, couplings, etc., that restrict the airflow or baffle the oil out of the air at the lubricator outlet.

### OPERATION

1. The maximum pressure and temperature ratings are: transparent plastic bowl, 150 PSIG (10,3 bar) and 125°F (52°C); metal bowls, 200 PSIG (14 bar) and 175°F (79°C).
2. The lubricator may be filled under pressure by slowly removing the fill plug and pouring the oil into the bowl through the fill port. The bowl may be taken off after the fill plug is removed if a more rapid fill is required. DO NOT replace the fill plug until the bowl and the bowl guard are in position and the clamp ring is securely locked in place. NOTE: As the fill plug is removed, the air pressure in the bowl will be relieved.
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 delivered. This L16 lubricator delivers all the oil downstream that passes through the sight dome. The oil delivery rate

will change automatically to deliver more oil during higher airflows and less oil for airflows lower than the one at which the setting was made.

### MAINTENANCE

1. Given clean operating conditions, this unit will be trouble-free. Drain off any contaminants that collect in the bottom of the bowl and wipe it clean with a soft cloth.
2. IF OIL DELIVERY RATE DROPS, the lubricator should be cleaned. Shut off air supply and reduce pressure in the unit to zero. Remove the adjusting screw and clean the needle and seat in the body. Inspect and clean the passage from the needle seat down into the siphon tube adapter. Remove the Flow-Guide® variable orifice screw and clean its passage with a small wire. Check the bore for contaminants and clean it if necessary. Be sure that the passageway from the sight dome cavity into Flow-Guide® variable orifice post is open.

### REPAIR KITS AND REPLACEMENT PARTS

O-Ring Repair Kit (bowl, fill plug, adjusting screw and sight dome o-rings) .....	LRP-95-022
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 .....	LRP-96-005
Sight Dome Kit .....	LRP-95-239
Fill plug kit .....	LRP-95-253
Flow-Guide® (1/4" models) .....	LRP-95-241
Flow-Guide® (3/8" models) .....	LRP-95-242
Plastic Bowl - no drain .....	LRP-96-937
Transparent Plastic Bowl Kits:	
with plastic petcock .....	GRP-95-018
with bowl guard, plastic petcock .....	GRP-95-019
Plastic Petcock Kit .....	GRP-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
Sight Gauge Kit (metal bowl units) .....	GRP-95-079
Tamper Resistant Kit .....	LRP-95-587
Force Fill Adapter .....	GRP-96-394

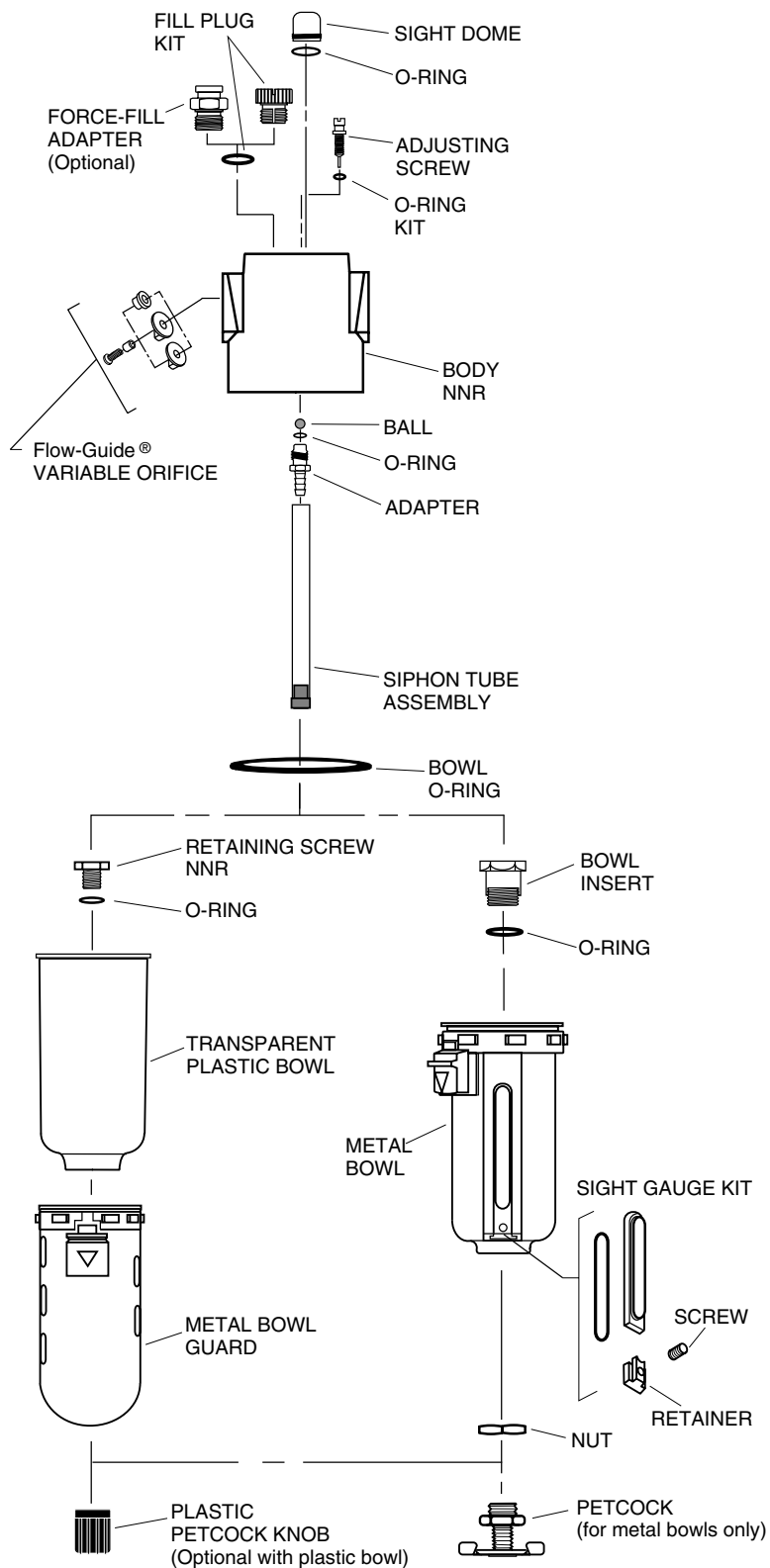
## WARNING

**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.

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NNR=NOT NORMALLY REPLACED