WILKERSON®
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Installation & Service Instructions
83-295-000

AtoMist® Lubricator Model L27 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.

SOME OF THE MATERIALS THAT WILL ATTACK POLYCARBONATE PLASTIC BOWLS.

Acetaldehyde	Carbolic acid	Ethylene chlorohydrin	Phenol
Acetic acid (conc.)	Carbon disulfide	Ethylene dichloride	Phosphorous hydroxy chloride
Acetone	Carbon tetrachloride	Ethylene glycol	Phosphorous trichloride
Acrylonitrile	Caustic potash solution	Formaic acid (conc.)	Propionic acid
Ammonia	Caustic soda solution	Freon (refrig.and propell)	Pyridine
Ammonium flouride	Chlorobenzine	Gasoline (high aromatic)	Sodium hydroxide
Ammonium hydroxide	Chloroform	Hydrazine	Sodium sulfide
Ammonium sulfide	Cresol	Hydrochloric acid (conc.)	Styrene
Anaerobic adhesives and sealants	Cyclohexanol	Lacquer thinner	Sulfuric acid (conc.)
Antifreeze	Cyclohexanone	Methyl alcohol	Sulphural chloride
Benzene	Cyclohexene	Methylene chloride	Tetrahydronaphtalene
Benzoic acid	Dimethyl formamide	Methylene salicylate	Tiophene
Benzyl alcohol	Diozane	Milk of lime (CaOH)	Toluene
Brake fluids	Ethane tetrachloride	Nitric acid (conc.)	Turpentine
Bromobenzine	Ethyl acetate	Nitrobenzine	Xylene
Butyric acid	Ethyl ether	Nitrocellulose laquer	
	Ethylamine	Perchlorethylene & others	

TRADE NAMES OF SOME COMPRESSOR OILS, RUBBER COMPOUNDS AND OTHER MATERIALS THAT WILL ATTACK POLYCARBONATE PLASTIC BOWLS

Atlas "Perma-Guard"	Houtosafe 1000	Parco #1306 Neoprene	Stillman #SR 513-70 (neoprene)
Buna N	Kano Kroil	*Permabond #910	Tannergas
Cellulube #510 and #220	Keystone penetrating oil #2	Petron PD287	Telar
Crylex #5 cement	*Loctite 271	Prestone	Tenneco anderol #495 and #500 oils
*Eastman 910	*Loctite 290	Pydraul AC	Titon
Garlock #98403 (polyurethane)	*Loctite 601	Sears Regular Motor Oil	*Vibra-tite
Haskel #568-023	Loctite Telfon-Sealant	Sinclair oil "Lily White"	Zerex
Hilgard Co's hil phene	Marvel Mystery Oil	Stauffer Chemical FYRQUEL #150	
Houghton and Co. oil #1120, #1130 & #1055	Minn. Rubber 366Y	Stillman #SR 269-75 (polyurethane)	
	National Compound #N11 "Nylock" VC 3		

***Raw liquid form**

WE CANNOT POSSIBLY LIST ALL HARMFUL SUBSTANCES, CHECK WITH A MOBAY CHEMICAL OR GENERAL ELECTRIC OFFICE FOR FURTHER INFORMATION ON POLYCARBONATE PLASTIC

INSTALLATION

1. Refer to the warning.
2. Install as close as possible to the equipment requiring lubrication.
3. Install the unit with the air moving 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.
5. The lubricator cannot be filled without first shutting off air pressure and venting the 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.
6. The rate of oil delivery may be controlled by turning the adjusting screw counterclockwise for more and clockwise for less oil delivery. Adjust the lubricator by reducing the airflow to the minimum scfm required and setting the oil drip rate so that the desired amount of oil is delivered to the point of use. The more the airflow increase, the more oil you will need, and the more you will automatically receive. Ordinarily, adjust to tone drop per minute of oil as seen through the sight dome or each 33 scfm (56 Nm 3/h) of air being used; e.g., for 50 scfm (84 Nm3/h), adjust for 1.5 drops per minute; 100 scfm (168 Nm 3/h), 30 dpm; etc.
7. DO NOT OVERFILL BOWL; OIL LEVEL MUST BE BELOW THE RECLASSIFIER

MAINTENANCE

1. Given clean operating conditions, this unit will be trouble-free. Contaminants from dirty oil may collect on the siphon tube inlet filter, requiring the filter to be cleaned by tapping on a hard surface and blowing off with an air blow gun.
2. IF THE OIL DELIVERY RATE DROPS, the lubricator should be cleaned.Shut off air supply and reduce pressure in unit to zero. Remove the adjusting screw and clean the needle and the seat in the body. Inspect and clean the passage from the needle seat down into the adapter.
3. OIL NOT SPRAYING ONTO RECLASSIFIER—In addition to the above possible reasons,the mist generator might be plugged. Turn off and vent air pressure through the fill plug, then remove the bowl, disassemble the reclassifier and pry out the missing nozzle with a screwdriver or a knife blade, clean in kerosene and blow out holes with air blow gun
4. Drain off any contaminants which collect in the bottom of the bowl.

⚠ 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.

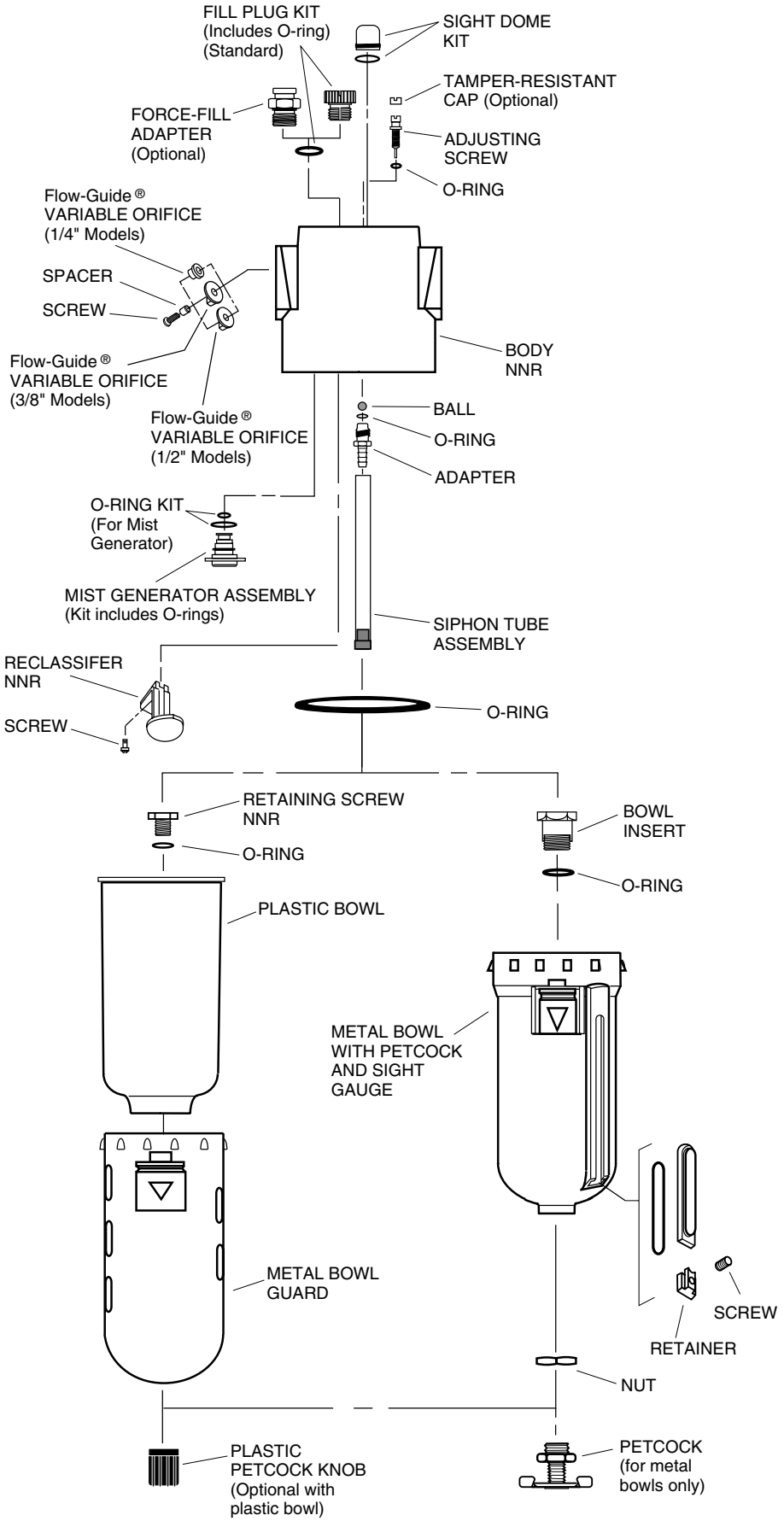
EXTRA COPIES OF THESE INSTRUCTIONS ARE AVAILABLE FOR INCLUSION IN EQUIPMENT / MAINTENANCE MANUALS THAT UTILIZE THESE PRODUCTS. CONTACT YOUR LOCAL REPRESENTATIVE.

KITS AND REPLACEMENT PARTS

Fluorocarbon O-Ring Repair Kit **GRP-95-009**
O-Ring Repair Kit **LRP-95-059**
O-Ring Kit for Adjusting Screw (10 per kit) **GRP-95-255**
O-Ring Kit for AtoMist® Lubricator Generator **GRP-95-258**
Siphon Tube Assembly Kit **LRP-96-137**
Sight Dome Kit **LRP-95-239**
Fill Plug Kit (includes O-Rings) **LRP-95-253**
Flow-Guide® (1/4" models) **LRP-95-246**
Flow-Guide® (3/8" models) **LRP-95-247**
Flow-Guide® (1/2" models) **LRP-95-248**
Plastic Bowl Assembly **LRP-96-958**
Plastic Bowl-No Drain **LRP-96-938**
Plastic Bowl w/Plastic Petcock and Bowl Guard **LRP-95-967**
Plastic Petcock Kit **LRP-95-181**
Metal Gauge Bowl w/Petcock, Sight Gauge **GRP-95-931**
Check Ball and O-Ring Kit **LRP-95-310**
AtoMist® Lubricator Generator Assembly **LRP-95-675**
Auto-fill® Lubricator Adapter w/plastic Bowl Assembly **LRP-95-965**
Lubricator Adjusting Screw **LRP-95-163**

ACCESSORIES

Sight Gauge Kit **GRP-95-079**
Tamper Resistant Kit **LRP-95-587**
Force Fill Adapter **GRP-96-394**
Wall Mounting Bracket **GRP-96-946**



NNR=NOT NORMALLY REPLACED