
 **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 diester 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.

 **WARNING**

To avoid polycarbonate bowl rupture that can cause personal injury or property damage, do not exceed bowl pressure or temperature ratings. Polycarbonate bowls have a 150 PSIG pressure rating and a maximum temperature rating of 125°F.

Safety Guide

For more complete information on recommended application guidelines, see the Safety Guide section of Pneumatic Division catalogs or you can download the **Pneumatic Division Safety Guide** at: www.fairchildproducts.com/documents.php

Installation

1. Refer to **WARNING** prior to installation.
2. Install as close to the point of use as possible.
3. Unit must be installed with the flow in the direction of the flow arrow on the body cover and with bowl down.
4. Avoid using reducing bushings, couplings, etc., whenever possible to install this product. These devices restrict air flow and can affect performance.

NOTE: CONTAMINATES REMOVED FROM THE COMPRESSED AIR SYSTEM MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL STANDARDS.

Operation

1. **NOTE: Maximum pressure rating is 150 psig (10.3 bar) for plastic bowl/bowl guard assembly, and 250 psig (17.2 bar) for metal bowl with sight gauge. Temperature range is 32°F to 125°F (0°C to 52°C) for plastic bowl/bowl guard assembly, and 32°F to 150°F (0°C to 65.5°C) for metal bowl with sight gauge.**
2. Use only clean, light machine oil, preferably SAE 10 or lighter. DO NOT USE PHOSPHATE ESTER OR DIESTER BASED FLUIDS IN LUBRICATORS.
3. This lubricator may be filled under pressure by opening the top fill port slowly, allowing the pressure in the bowl to slowly vent to atmosphere. After the pressure has bled off, the fill plug may be removed completely and oil poured into the fill port. When the fill plug is removed, a small amount of air will be venting from the fill port. This is to serve as an audible signal denoting that the unit is in fact under pressure. If faster filling is desired, slowly remove the fill plug to vent the bowl pressure to atmosphere. Then remove the bowl/bowl guard assembly by pushing up on the bowl and turning clockwise. Fill the bowl, reposition the bowl O-ring seal on the bowl and reinstall the bowl. To reinstall the bowl, insert the bowl into the body, push up and turn counterclockwise until you feel the locating stops engage. Pull down on the bowl and turn clockwise to insure the bowl has been properly installed and locked. Now reinstall the fill plug. The unit is ready for use.
4. To adjust and set oil delivery rate, the unit must be pressurized and air must be flowing through the unit. Turn the transparent SIGHT DOME, located on the top of the unit counterclockwise to initiate oil delivery. The rate of oil delivery depends on air flow rate. If flow increases or decreases, the oil delivery rate will increase or decrease proportionately. Turning the SIGHT DOME clockwise to limit stop will stop all oil delivery.

Maintenance

THIS UNIT MAY BE SERVICED WITHOUT REMOVING THE UNIT FROM THE COMPRESSED AIR LINE.

1. To clean the bowl, slowly open and remove the fill plug located on the top of the lubricator to vent bowl pressure to atmosphere. Push up on bowl assembly and turn clockwise to remove. Use a clean, dry cloth to wipe inside of bowl. Inspect the filter located in the bottom of the siphon tube assembly. Clean or replace the siphon tube assembly as required. To reinstall the bowl, insure that the bowl seal O-ring is properly installed on the bowl, insert the bowl into the body and push-up and turn counterclockwise until the locating stops engage. Pull down on the bowl and turn clockwise to insure the bowl has been properly installed and locked.
2. Before returning unit to service, insure that all seals have been reinstalled or replaced and bowl is locked in position with drain properly secured.

Service Kits	L30 Lubricator	L40 Lubricator
Polycarbonate Bowl, Bowl Guard, Manual Drain	21572-2	21573-2
Metal Bowl w/o Sight Glass, Manual Drain	21572-4	21573-4

 **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.