

⚠ 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.

Introduction

Follow these instructions when installing, operating, or servicing the product.

Application Limits

These products are intended for use in general purpose compressed air systems only. For other applications, consult factory before use.

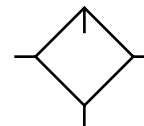
With Plastic Bowl

	kPa	PSIG	bar
Operating Pressure Maximum	1034	150	10.0
Operating Temperature Range	4°C to 49°C (40°F to 120°F)		

With Zinc Bowl

	kPa	PSIG	bar
Operating Pressure Maximum	2068	300	21.0
Operating Temperature Range	4°C to 82°C (40°F to 180°F)		

ANSI Symbols



Installation

L508 Lubricators are individually tapped (NPT) to allow direct mounting to piping. Before installing, blow out pipe line to remove scale and other foreign matter. This unit has DRYSEAL pipe threads; use pipe compound or tape sparingly to male threads only. Install units in pipe line so that flow is into port stamped "IN" on body. Install as near as possible to equipment serviced.

Lubricant

For average conditions, the use of high quality SAE #10 (S.U.V. 150-200 SEC @ 100°F) oil is recommended. Other lubricants, as specified by the maker of the equipment to be lubricated, may be used if not heavier than SAE #40 (S.U.V. 800 SEC @ 100°F).

⚠ 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.

Filling

L508 Lubricators may be filled only under no pressure. To fill the lubricator, the air supply must be shut off and the remaining pressure in the system bled down to zero pressure. A long spout oil can must be used. Slowly remove fill plug and insert tip of spout to bottom of fill port recess. Fill to within 1/2" of top of bowl using correct oil.

Adjustment

The adjustment knob is factory set so that, when turned fully clockwise, no oil is delivered to the venturi for atomization, and equipment is not being lubricated. To initially adjust oil drip rate, turn on the air, start flow and set knob to obtain the desired drip rate, which is visible through the sight dome. After system reaches normal operating temperature, fine tune the drip rate as needed. As a start, one to two drops per minute is suggested, correct lubrication being a matter of experience and demand. Clockwise rotation of knob decreases oil feed rate. To check lubrication, hold a thumbnail or mirror near the equipment exhaust. A heavy film indicates over-lubrication and the drip rate should be reduced by turning knob to a lower setting. After final setting has been achieved, the knob may be removed to make the adjustment mechanism tamper resistant.

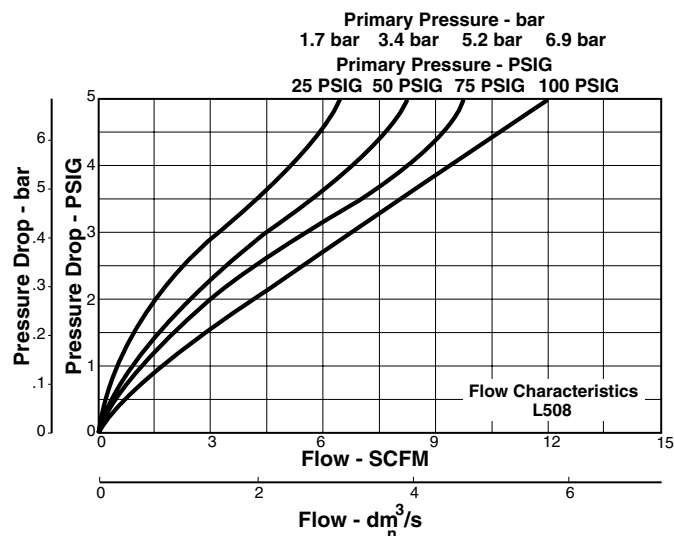
Cycling Applicator

If the lubricator is to be used in a cycling application, the conditions must be as follows:

The lubricator must stay pressurized during on AND off cycles. On cycle time must be at least 15 seconds, and the flow rate during each cycle must be at least 2 SCFM.

Maintenance - Cleaning

If both air and oil are kept clean, and the oil level never allowed below end of tube in the bowl, the lubricator should provide long periods of unattended service. Cessation of oil dripping through the sight dome, irrespective of knob adjustment, is an indication that cleaning is necessary. To clean, it is not necessary to remove lubricator from the line. Depressurize and disassemble using the drawing as a guide. In most instances, cleaning is needed only in the oil metering area. Pull off adjusting knob, unscrew sight dome assembly, remove inner drip spout and clean with household soap. **PLASTIC BOWLS AND SIGHT DOME MUST BE CLEANED WITH HOUSEHOLD SOAP ONLY.**

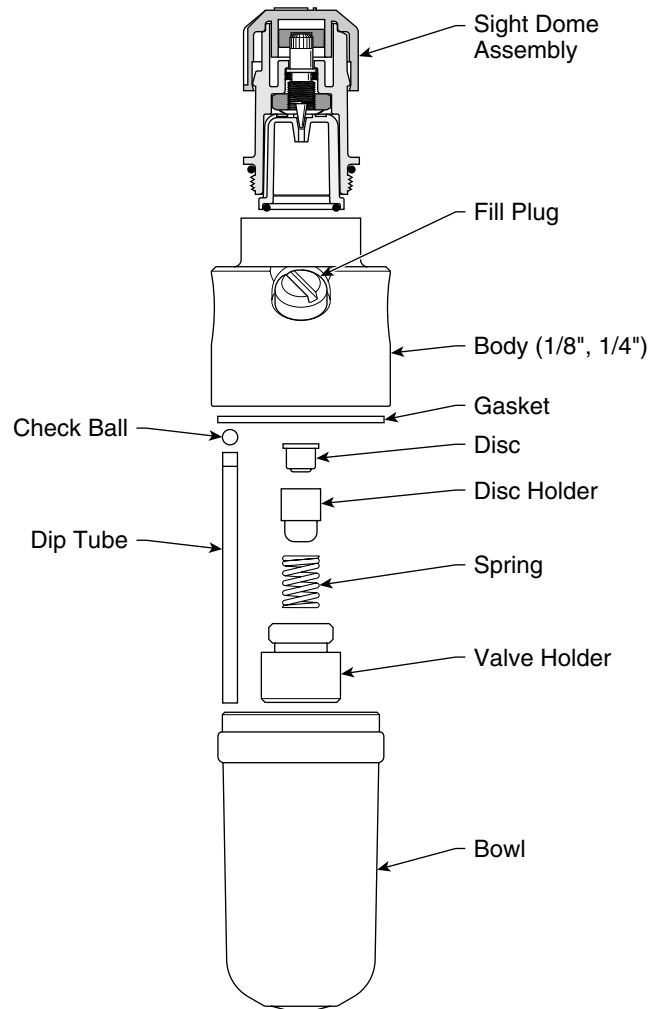


Service Kits / Parts Available

Description	Product Number	Bowl Type
Bowl Replacement Kit* Plastic Zinc	BK508Y BK509Y	B D
Sight Dome Assembly (Includes Knob, Sight Dome, Needle Valve, Hex Nut, Spring Washer, Drip Spout, O-Rings)	RKL100	—
Fill Plug	SA508Y4	—
Gasket	GSK-504Z101	—
Check Ball	506Y106	—
Disc	508Z37	—
Disc Holder	508Y47-1	—
Spring	SPR-330	—
Dip Tube	L05Y74-1	—
Valve Holder	508Y30-1	—
Mounting Bracket Kit†	—	—

* Bowl kits include bowl seal.

† "X67" Mounting Bracket option must be ordered with lubricator from factory due to pre-drilled holes in lubricator head.



- Ⓐ Lightly grease with provided lubricant.
- Ⓑ Inspect for nicks, scratches, and surface imperfections. If present, reduced service life is probable and future replacement should be planned.
- Ⓒ Clean with lint-free cloth.