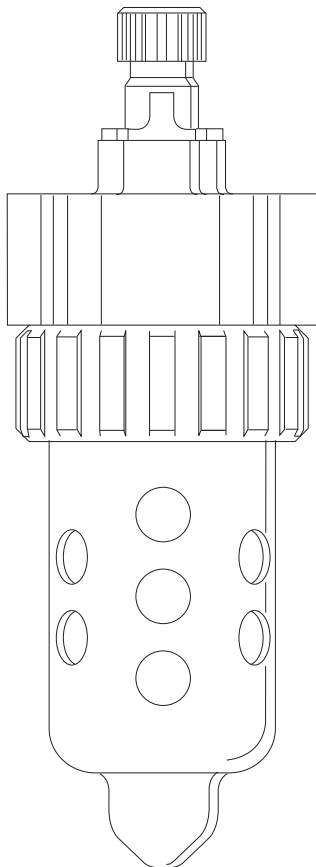


Air lubricator

Models 600204P, 600206P, 600208P, 600212, 600216



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|---------------|--------------|
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| Section | G10 |
| Page | 32B |

DANGER

Read manual prior to installation or use of this product. Keep manual nearby for future reference. Failure to follow instructions and safety precautions may result in death or serious injury.

Piping

Before installing lubricator, blow out pipe line to remove scale and other foreign matter. Lubricators are supplied with Dryseal pipe thread connections and normally no pipe compound is required. However, if pipe compound is desired as a lubricant, apply sparingly and only to male threads. Install lubricator with bowl vertical in pipe line so that air will flow in direction indicated on lubricator body. Install as near as possible to equipment to be lubricated. To assure trouble-free performance, a filter should be installed upstream of the lubricator.

Lubricant

For average conditions, the use of a high quality SAE No. 10 (S.U.V. 150-200 SEC @ 100° F ((37° C)) oil is recommended. Other lubricating oils, as specified by the maker of the equipment to be lubricated, may be used if not heavier than SAE No. 40 (S.U.V. 800 SEC @ 100° F ((37° C)).

Filling

All lubricators can be filled while under pressure, and without shutting down equipment. Slowly remove either fill plug and fill to within 1/4" of top of bowl using correct oil. For best results, use a long spout oil can so that the tip can be inserted into top of bowl.

Operation

The "Dial-Set" knob is factory set so that, when turned to zero (0), no oil is delivered to

Notice

The oil and its container must be clean, as dirt will clog the lubricator, necessitating shutdown and cleaning.

the venturi for atomization and equipment is not being lubricated. Turn on air to start flow and set knob to obtain desired drops per minute – visible through the sight gauge. As a start, one drop 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 drops per minute should be reduced by turning knob to a lower setting.

Specifications

Maximum Pressure: 250 PSI (17 bar).
Maximum Temperature: 150°F (65° C).

Maintenance

If both air and oil are kept clean, and the oil level never allowed below end of tube in bowl, the lubricator should provide long periods of unattended service.

WARNING

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

- 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.
- 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.

Cleaning

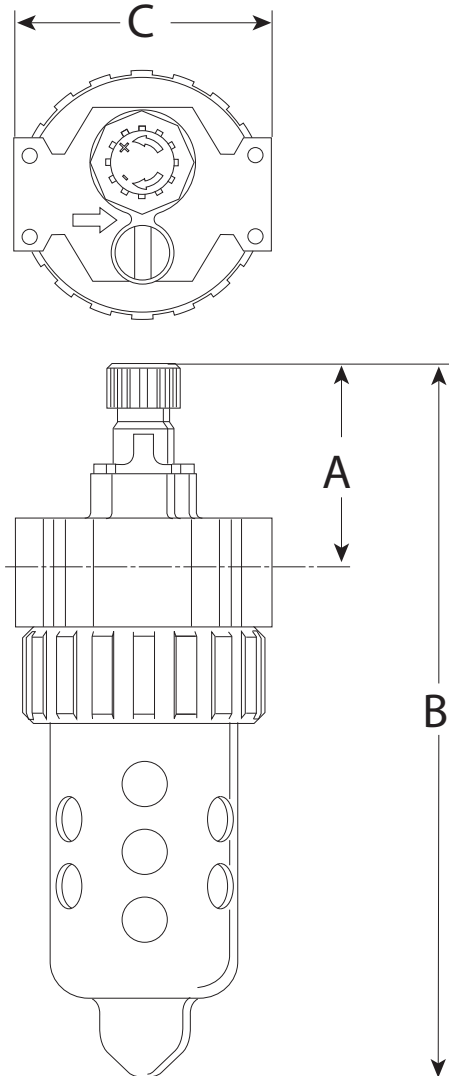
To clean, it is not necessary to remove lubricator from the line. Disassembly is simple; use drawing as a guide. In most instances, cleaning is needed only in the oil metering area. Pull off adjusting knob, remove needle valve assembly turning out large hex nut, remove needle valve seat and clean removed parts with methanol – making sure hole in seat is clear. With a No. 57 drill, make sure hole in bottom of sight gauge is open. Blow out lubricator body with compressed air before reassembly.

**Notice**

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.

Metal bowl with sight gauge

| Model | Item 1 Needle valve kit | Item 2 Bowl kit | Item 3 Sight gauge kit |
|---------|-------------------------|-----------------|------------------------|
| 600204P | N/A | 69047P | N/A |
| 600206P | N/A | 69047P | N/A |
| 600208P | N/A | 69047P | N/A |
| 600212 | 600204156 | 69049 | 600204157 |
| 600216 | 600204156 | 69049 | 600204157 |

Dimensions

| Model | Thread size | A | B | C (diameter) |
|---------|--------------|--------------------|----------------------|---------------------|
| 600204P | 1/4 in. NPTF | 2.25 in. (57 mm) | 7.73 in. (196 mm) | 2.81 in. (71 mm) |
| 600206P | 3/8 in. NPTF | 2.25 in. (57 mm) | 7.73 in. (196 mm) | 2.81 in. (71 mm) |
| 600208P | 1/2 in. NPTF | 2.25 in. (57 mm) | 7.73 in. (196 mm) | 2.81 in. (71 mm) |
| 600212 | 3/4 in. NPTF | 2.62 in. (66,5 mm) | 9 3/4 in. (247,6 mm) | 4.95 in. (125,7 mm) |
| 600216 | 1 in. NPTF | 2.62 in. (66,5 mm) | 9 3/4 in. (247,6 mm) | 4.95 in. (125,7 mm) |

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.

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Lincoln industrial standard warranty

Standard limited warranty

Lincoln warrants the equipment manufactured and supplied by Lincoln to be free from defects in material and workmanship for a period of one (1) year following the date of purchase, excluding there from any special, extended, or limited warranty published by Lincoln. If equipment is determined to be defective during this warranty period, it will be repaired or replaced, within Lincoln's sole discretion, without charge.

This warranty is conditioned upon the determination of a Lincoln authorized representative that the equipment is defective. To obtain repair or replacement, you must ship the equipment, transportation charges prepaid, with proof of purchase to a Lincoln Authorized Warranty and Service Center within the warranty period.

This warranty is extended to the original retail purchaser only. This warranty does not apply to equipment damaged from accident, overload, abuse, misuse, negligence, faulty installation or abrasive or corrosive material, equipment that has been altered, or equipment repaired by anyone not authorized by Lincoln. This warranty applies only to equipment installed, operated and maintained in strict accordance with the written specifications and recommendations provided by Lincoln or its authorized field personnel.

This warranty is exclusive and is in lieu of any other warranties, express or implied, including, but not limited to, the warranty of merchantability or warranty of fitness for a particular purpose. Warranty on items sold by Lincoln, but not manufactured by Lincoln are subject to the warranty consideration, if any, of their manufacturer (such as hoses, hydraulic and electric motors, electrical controllers, etc.) Assistance in making such warranty claims can be offered as required.

In no event shall Lincoln be liable for incidental or consequential damages. Lincoln's liability for any claim for loss or damages arising out of the sale, resale or use of any Lincoln equipment shall in no event exceed the purchase price. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, therefore the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights. You may also have other rights that vary by jurisdiction.

Customers not located in the Western Hemisphere or East Asia: Please contact Lincoln GmbH and Co. Kg, Walldorf, Germany, for your warranty rights.

Special limited warranties

Special limited 2 year warranty SL-V series, single injectors – 85772, 85782, and replacement injectors – 85771, 85781

Lincoln warrants the SL-V Injector series to be free from defects in material and workmanship for two (2) years following the date of purchase. If an injector model (single or replacement) is determined to be defective by Lincoln, in its sole discretion, during this warranty period, it will be repaired or replaced, at Lincoln's discretion, without charge.

Special limited 5 year warranty series 20, 25, 40 bare pumps, pmv bare pumps, heavy duty and 94000 series bare reels

Lincoln warrants series 20, 25, 40 bare pumps, PMV bare pumps, heavy duty (82206), mini bench (81133, 81323), and all 94000 LFR series (single arm and dual arm) bare reels to be free from defects in material and workmanship for five (5) years following the date of purchase. If equipment is determined by Lincoln, in its sole discretion, to be defective during the first year of the warranty period, it will be repaired or replaced at Lincoln's discretion, without charge. In years two (2) and three (3), the warranty on this equipment is limited to repair with Lincoln paying parts and labor only. In years four (4) and five (5), the warranty on this equipment is limited to repair with Lincoln paying for parts only.

Lincoln Industrial contact information

To find Lincoln Industrial's nearest service center call the following number; customer service 314-679-4200 (international number 01-314-679-4200) or you may also use our website www.lincolnindustrial.com

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