Lubricator Model PL08
with Variations and Accessories
Service Information

WARNING: INSTALLATION and MOUNTING
The user of these devices must conform to all applicable electrical, mechanical, piping and other codes in the installation, operation or repair of these devices.

INSTALLATION! Do not attempt to install, operate or repair these devices without proper training in the technique of working on pneumatic or hydraulic systems and devices, unless under trained supervision.

Compressed air and hydraulic systems contain high levels of stored energy. Do not attempt to connect, disconnect or repair these products when a system is under pressure. Always exhaust or drain the pressure from a system before performing any service work. Failure to do so can result in serious personal injury.

MOUNTING! Devices should be mounted and positioned in such a manner that they cannot be accidentally operated.

INSTALLATION
1. Refer to the above WARNING before installing lubricator.
2. Make sure that system piping and lubricator are the same pipe size. Avoid using fittings, couplings, etc. that restrict airflow or baffle the oil out of the air at the lubricator outlet.
3. Install unit as near as possible to the equipment requiring lubrication.
4. Position unit so air flows in direction indicated by arrow on the front of the lubricator body.
5. Install lubricator in a vertical position with bowl side down.
6. To install drain line on units equipped with a manual drain attach flexible tubing having an I.D. of 5/32" (4 mm) to drain stem.

OPERATION
1. NOTE: Maximum inlet pressures and temperatures are as follows:
   a. Transparent plastic bowls:
      - 150 psig (10.3 bar)
      - 125° F (51.7° C)
   b. Metal bowls:
      - 250 psig (17.2 bar)
      - 175° F (79.4° C)
2. The lubricator can be filled under pressure by removing the fill plug slowly, allowing the pressure in the bowl to vent to atmosphere. Then remove the bowl and bowl guard assembly by turning counterclockwise. Fill the bowl, reposition the bowl O-ring seal and reinstall the bowl into body and turn clockwise to securely lock in place. Reinstall the fill plug. The unit is ready for use.
3. To adjust and set oil delivery rate, the unit must be pressurized and flowing air. Turn the transparent sight dome counterclockwise to initiate/increase oil delivery. Turn the sight dome clockwise to decrease/stop oil delivery. Note: The oil delivery rate will change automatically to deliver more oil during increase air flow demand and less oil for air flow lower than the original setting.
4. Use clean oil, preferably SAE 10 or lighter. Do not use phosphate ester or diester based fluids in lubricators.

MAINTENANCE
1. Given normal operating conditions this unit will be trouble-free. If the oil delivery rate should drop, the lubricator should be inspected and cleaned to remove contaminants. Service unit at least every six months.
2. TO CLEAN OR REPLACE BOWL ASSEMBLY:
   a. Depressurize unit.
   b. Remove bowl and bowl guard assembly by turning counterclockwise.
   c. Inspect bowl daily for damaged or deteriorated seals. Replace with original manufacturers approved seals and bowls.
   d. If bowl becomes dirty, replace it or clean it by wiping the bowl with a soft dry cloth or a mild detergent.
   e. Before returning to service, insure that all seals have been reinstalled or replaced.
   f. Reinstall bowl and bowl guard assembly and rotate bowl guard clockwise to securely lock in place. Align arrow on bowl guard with arrow on lubricator body.
3. Occasionally, liquid water will get trapped in the lubricator bowl. Since water is more dense than oil, the water will migrate to the bottom of the bowl. Periodically clean bowl to remove the liquid water.
Lubricator with Variations and Accessories

ACCESSORIES

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>T-Type Bracket</td>
<td>PGPA-96-737</td>
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<tr>
<td>C-Type Bracket</td>
<td>PGPA-97-010</td>
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<tr>
<td>Joiner Set</td>
<td>PGPA-96-738</td>
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<td>Piping Adapter Set, 1/8&quot; NPT</td>
<td>PGPA-97-018</td>
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<td>Piping Adapter Set, 1/4&quot; NPT</td>
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<td>Piping Adapter Set, G 1/4</td>
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<td>Piping Adapter Set, G 3/8</td>
<td>PGPA-97-065</td>
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<td>Piping Adapter Set w/T-Bracket, 1/8&quot; NPT</td>
<td>PGPA-97-025</td>
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<td>Piping Adapter Set w/T-Bracket, G 3/8</td>
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<td>Safety Lockout Valve, G 1/4</td>
<td>PV08-C2-0000</td>
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5/32" (4MM) I.D. Tube Barb Fitting
### Lubricator with Variations and Accessories

#### DIMENSIONS
**INCHES**

<table>
<thead>
<tr>
<th>Models</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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#### REPAIR KITS AND REPLACEMENT PARTS

<table>
<thead>
<tr>
<th>PL08</th>
<th>Bowl Goring (Nitrile)</th>
<th>Bowl Goring (Fluorocarbon)</th>
<th>Plastic bowl, bowl guard w/O-ring and manual drain</th>
<th>Plastic bowl (closed end), bowl guard w/O-ring</th>
<th>Metal bowl w/O-ring and manual drain</th>
<th>Metal bowl (closed end)</th>
<th>Fill plug w/O-ring</th>
<th>Siphon tube and filter</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>PGRP-96-710</td>
<td>PGRP-96-711</td>
<td>PLRP-96-706</td>
<td>PLRP-96-713</td>
<td>PGRP-96-714</td>
<td>PLRP-96-715</td>
<td>PLRP-96-730</td>
<td>PLRP-96-731</td>
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Lubricator with Variations and Accessories
Parts List

1. Retainer
   Retenue
   Reten

2. O-Ring
   Joint Torique
   Junta Torica

3. Sight Dome
   Dome De Regard
   Cupula Visual

4. O-Ring
   Joint Torique
   Junta Torica

5. Drip Dome
   Compte-Gouttes
   Cupula De Goteo

6. O-Ring
   Joint Torique
   Junta Torica

7. Bypass Plate
   Plaque De Derivation
   Placa De Desvío

8. Bypass
   Derivation
   Dispositivo De Desvío

9. Fill Plug
   Bouchon De Rem-Plissage
   Tapon

10. O-Ring
    Joint Torique
    Junta Torica

11. Body
    Corps
    Cuerpo

12. Bowl O-Ring
    Joint Torique De Bol
    Junta Torica De La Taza

13. Siphon Tube Assembly
    Ensemble De Tube De Siphon
    Ensamble Del Tubo Del Sifón

14. Drain Stem
    Tige De Dispositif De Vindange
    Vástago De Drenaje

15. Drain Seat
    Siege De Vidange
    Asiento De Drenaje

16. Drain Insert
    Element De Vidange
    Pieza De Inserción De Drenaje

17. Metal Bowl
    Bouchon De Vidange
    Taza De Metal

18. Drain Knob
    Bolen Metal
    Perilla De Drenaje

19. Plastic Bowl / Bowl Guard Assembly
    Ensemble De Bol En Plastique / Protege-Bol
    Taza De Plastico / Ensamble Del Protector De La Taza
NOTICE TO PRODUCT USERS

1. WARNING: FLUID MEDIA

AVENTICS pneumatic devices are designed and tested for use with filtered, clean, dry, chemical-free air at pressures and temperatures within the specified limits of the device. For use with media other than air or for human life support systems, AVENTICS must be consulted. Hydraulic cylinders are designed for operation with filtered, clean, petroleum-based hydraulic fluid; operation using flammable or other special types of fluids may require special packing and seals. Consult the factory.

2. WARNING: MATERIAL COMPATIBILITY

Damage to product seals or other parts caused by the use of non-compatible lubricants, oil additives or synthetic lubricants in the air system compressor or line lubrication devices voids the AVENTICS warranty and can result in product failure or other malfunction. See lubrication recommendations below.

AIR LINE LUBRICANTS! In service higher than 18 cycles per minute or with continuous flow of air through the device, an air line lubricator is recommended.* (Do not use line lubrication with vacuum products.) However, the lubricator must be maintained since the oil will wash out the grease, and lack of lubrication will greatly shorten the life expectancy. The oils used in the lubricator must be compatible with the elastomers in the device. The elastomers are normally BUNA-N, NEOPRENE, VITON, SILICONE and HYTREX. AVENTICS recommends the use of only petroleum-based oils without synthetic additives, and with an aniline point between 180° F and 210° F.

COMPRESSOR LUBRICANTS! All compressors (with the exception of special "oil free" units) pass oil mist or vapor from the internal crankcase lubricating system through to the compressed air. Since even small amounts of non-compatible lubricants can cause severe seal deterioration (which could result in component and system failure) special care should be taken in selecting compatible compressor lubricants.

3. WARNING: INSTALLATION AND MOUNTING

The user of these devices must conform to all applicable electrical, mechanical, piping and other codes in the installation, operation or repair of these devices. INSTALLATION! Do not attempt to install, operate or repair these devices without proper training in the technique of working on pneumatic or hydraulic systems and devices, unless under trained supervision. Compressed air and hydraulic systems contain high levels of stored energy. Do not attempt to connect, disconnect or repair these products when a system is under pressure. Always exhaust or drain the pressure from a system before performing any service work. Failure to do so can result in serious personal injury.

MOUNTING! Devices should be mounted and positioned in such a manner that they cannot be accidentally operated.

4. WARNING: APPLICATION AND USE OF PRODUCTS

The possibility does exist for any device or accessory to fail to operate properly through misuse, wear or malfunction. The user must consider these possibilities and should provide appropriate safe guards in the application or system design to prevent personal injury or property damage in the event of a malfunction.

5. WARNING: CONVERSION, MAINTENANCE AND REPAIR

When a device is disassembled for conversion to a different configuration, maintenance or repair, the device must be tested for leakage and proper operation after being reassembled and prior to installation.

MAINTENANCE AND REPAIR! Maintenance periods should be scheduled in accordance with frequency of use and working conditions. All AVENTICS products should provide a minimum of 1,000,000 cycles of maintenance free service when used and lubricated as recommended. However, these products should be visually inspected for defects and given an "in system" operating performance and leakage test once a year. Where devices require a major repair as a result of the one million cycles, one year, or routine inspection, the device must be disassembled, cleaned, inspected, parts replaced as required, rebuilt and tested for leakage and proper operation prior to installation. See individual catalogs for specific cycle life estimates.

6. PRODUCT CHANGES

Product changes including specifications, features, designs and availability are subject to change at any time without notice. For critical dimensions or specifications, contact factory.

LIMITATIONS OF WARRANTIES & REMEDIES

AVENTICS warrants all Products manufactured by it to be free from defects in material and workmanship under normal operating conditions and proper application in accordance with specifications for operation as described in the Data Sheet which accompanies such Products, for (i) twenty-four (24) months after date of shipment to Distributor, (ii) eighteen (18) months after date of shipment to the customer, or (iii) twelve (12) months from the Product is placed in service, whichever occurs first. Vendor or customer-supplied items on systems, assemblies are warranted per original manufacturer’s warranty policy.

THE FOREGOING WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Buyer’s sole and exclusive remedy under this warranty shall be limited to the repair or exchange of warranted products at AVENTICS’ option FOB AVENTICS’ factory. No attempt to repair or improve the Goods or parts by any of AVENTICS’ representatives shall change or extend this warranty.

If the Buyer (as that term is hereafter defined) or Agent grants to an end user any warranty which is greater in scope, time period or labor allowance than the warranty stated herein, AVENTICS shall not be liable beyond this stated warranty. Except as otherwise provided under the Warranty Processing Procedures section of this warranty, equipment and accessories not manufactured by AVENTICS shall not be the responsibility of AVENTICS. The term “Buyer” as used herein means the person or firm that purchased the product directly from AVENTICS, and includes direct OEM customers and AVENTICS distributors.

No products shall be returned without prior authorization from AVENTICS. Buyer shall pay all transportation charges for the return of such products to AVENTICS’ factory or authorized factory service center. AVENTICS will not accept any charges for labor and/or parts incidental to the removal and remounting of products repaired or replaced under this warranty. All repair and replacement parts provided under this warranty will assume the identity, for warranty purposes, of the part replaced and the warranty on such replacement parts will expire when the warranty on the original part would have expired. Claims must be submitted within 30 days of failure or be subject to rejection. This warranty is not transferable beyond the first using purchaser. An AVENTICS Quality Service Report (QSR) to initiate the warranty request is available online (www.aventics.com/us/downloads).
