

INSTALLATION AND MAINTENANCE SHEET

AtoMist™ Lubricator Model L34 with Variations and Accessories



WARNING

DO NOT PLACE PLASTIC BOWL UNIT IN SERVICE WITHOUT METAL BOWL GUARD INSTALLED.

Plastic bowl units are sold only with metal bowl guards. To minimize the danger of flying fragments in the event of plastic bowl failure, the metal bowl guards should not be removed. If the unit is in service without the metal bowl guard installed, manufacturer's warranties are void, and the manufacturer assumes no responsibility of, any resulting loss.

IF UNIT HAS BEEN IN SERVICE AND DOES NOT HAVE A METAL BOWL GUARD, ORDER ONE AND INSTALL BEFORE PLACING BACK IN SERVICE.

CAUTION

Certain compressor oils, chemicals, household cleaners, solvents, paints and fumes will attack plastic bowls and can cause bowl failure. Do not use near these materials. When bowl becomes dirty replace bowl or wipe only with a clean, dry cloth. Reinstall metal bowl guard or buy and install a metal bowl guard. Immediately replace any crazed, cracked, damaged or deteriorated plastic bowl with a metal bowl or a new plastic bowl and a metal bowl guard.

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

Except as otherwise specified by the manufacturer, this product is specifically designed for compressed air service, and used with any other fluid (liquid or gas) is a misapplication. For example, use with or injection of certain hazardous liquids or gases in the system (such as alcohol or liquid petroleum gas) could be harmful to the unit or result in a combustible condition or hazardous external leakage. Manufacturer's warranties are void in the event of misapplication, and manufacturer assumes no responsibility for any resulting loss. Before using with fluids other than air, or for non-industrial applications, or for life support systems consult manufacturer for written approval.

INSTALLATION

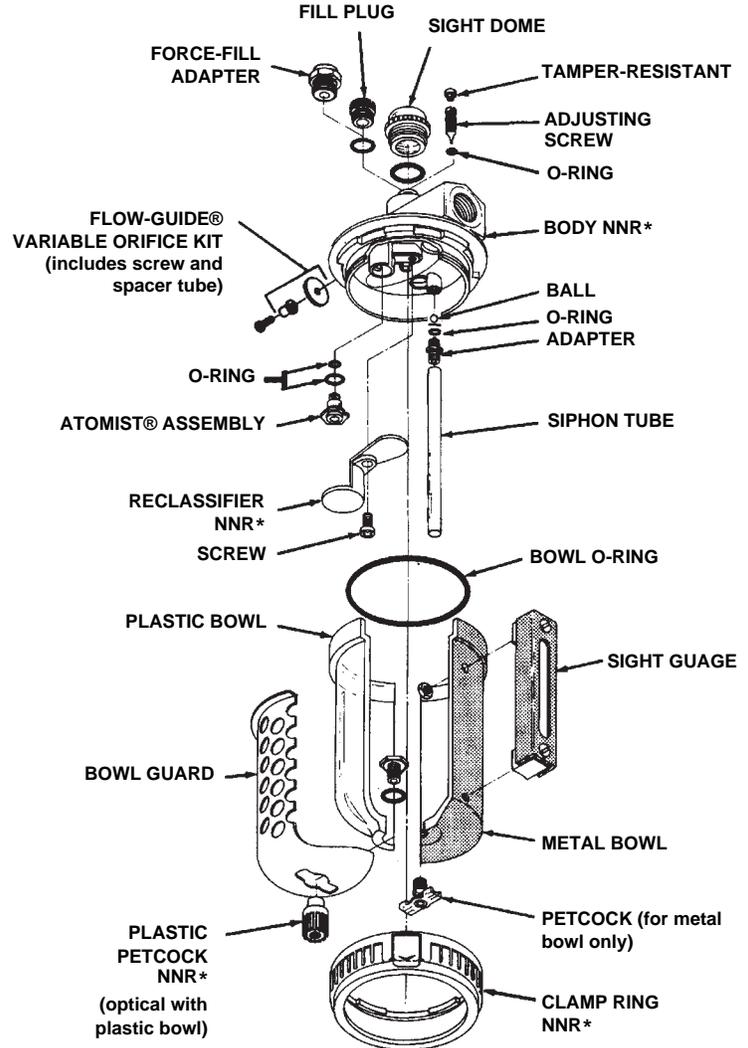


CAUTION! DEPRESSURIZE BEFORE SERVICING!

1. Refer to caution above.
2. Install as close as possible to the equipment requiring lubrication.
3. Install the unit with the air flowing through the body in the direction indicated by the arrow.
4. Install the same pipe-size unit as the pipeline in use.
5. **CAUTION! L34 AtoMist™ Style lubricators CANNOT be filled while unit is under pressure. MAKE SURE UNIT IS TURNED OFF AND DEPRESSURIZED BEFORE REMOVING FILL PLUG. Remove fill plug and fill unit. Use only clean oil, SAE 10 or lighter is best. DO NOT REPRESSURIZE UNIT unless fill plug, bowl, and bowl guard are in position and the bowl clamp ring is securely locked in place.**
6. The rate of oil delivery can be controlled by turning the adjusting screw counterclockwise for more oil and clockwise for less oil delivered. To adjust this type of lubricator, first reduce the airflow to the minimum scfm requirement, then set the oil drip rate so the desired amount of oil is delivered to the point of use. The more the airflow increases, the more oil you will need, and the you will automatically receive. Ordinarily, adjust lubricator so that, for every 33 scfm of air being used, one drop of oil per minute passes through the sight dome; e.g., for 165 scfm, adjust for five drops per minute; 330 scfm, 10 drops per minute, etc.
7. **DO NOT OVERFILL BOWL; OIL LEVEL MUST REMAIN BELOW CLASSIFIER; UNIT WILL NOT FUNCTION IF OVERFILLED.**
8. Maximum pressure and temperature ratings are: 150 psig (10.3 bar) and 125°F (55°C) for units with transparent plastic bowls and 200 psig (13.8 bar) and 175°F (79°C) for units with metal bowls.

MAINTENANCE

1. The lubricator should remain trouble-free given clean operating conditions. Contaminants from dirty oil can collect on bottom of bowl or on siphon tube inlet filter. After tapping filter or bowl on a hard surface, use an air gun to blow out residual dirt.
2. **IF OIL DELIVERY RATE DROPS**, clean lubricator. Shut off air supply and reduce pressure inside lubricator to zero. Remove adjusting screw, clean needle and seat in body. Inspect and clean passage from needle seat down into siphon tube adapter.
3. **OIL NOT SPRAYING ONTO RECLASSIFIER.** Mist generator may be plugged. Turn off air supply and remove fill plug to vent unit. Remove bowl, bowl guard and clamp ring. Disassemble reclassifier and, using a screwdriver, pry out misting nozzle and clean dirt from holes. Reassemble unit. **DO NOT PRESSURIZE UNIT** until fill plug, bowl, and bowl guard are in position and clamp ring is securely locked in place.
4. Drain off contaminants that collect in bottom of bowl.



REPAIR KITS AND REPLACEMENT PARTS

O-Ring Repair Kit.....	LRP-95-058
Bowl Assembly — no guard	LRP-96-160
Siphon Tube Assembly Kit.....	LRP-96-182
Flow Guide® Variable Orifice Kit (3/4" models).....	LRP-95-244
Flow Guide® Variable Orifice Kit (1 " models).....	LRP-95-245
Sight Dome Kit.....	LRP-95-249
Fill Plug Kit.....	LRP-95-253
O-Ring Kit for Adjusting Screw.....	GRP-95-255
Bowl O-Ring Kit.....	GRP-95-256
Force-fill Adapter.....	GRP-96-394
Clamp Ring Assembly.....	GRP-96-404
Tamper-resistant Kit.....	LRP-95-587
AtoMist® Lubricator Generator Assembly.....	LRP-95-675
Metal Gauge Bowl with Petcock.....	GRP-95-676
Sight Gauge Kit.....	LRP-95-771
Bowl Guard.....	GRP-95-808
Plastic Bowl with Plastic Petcock and Bowl Guard.....	LRP-95-830
Plastic Bowl — no drain.....	LRP-96-940
Check Ball and O-Ring Kit.....	LRP-95-310

* NNR = not normally replaced