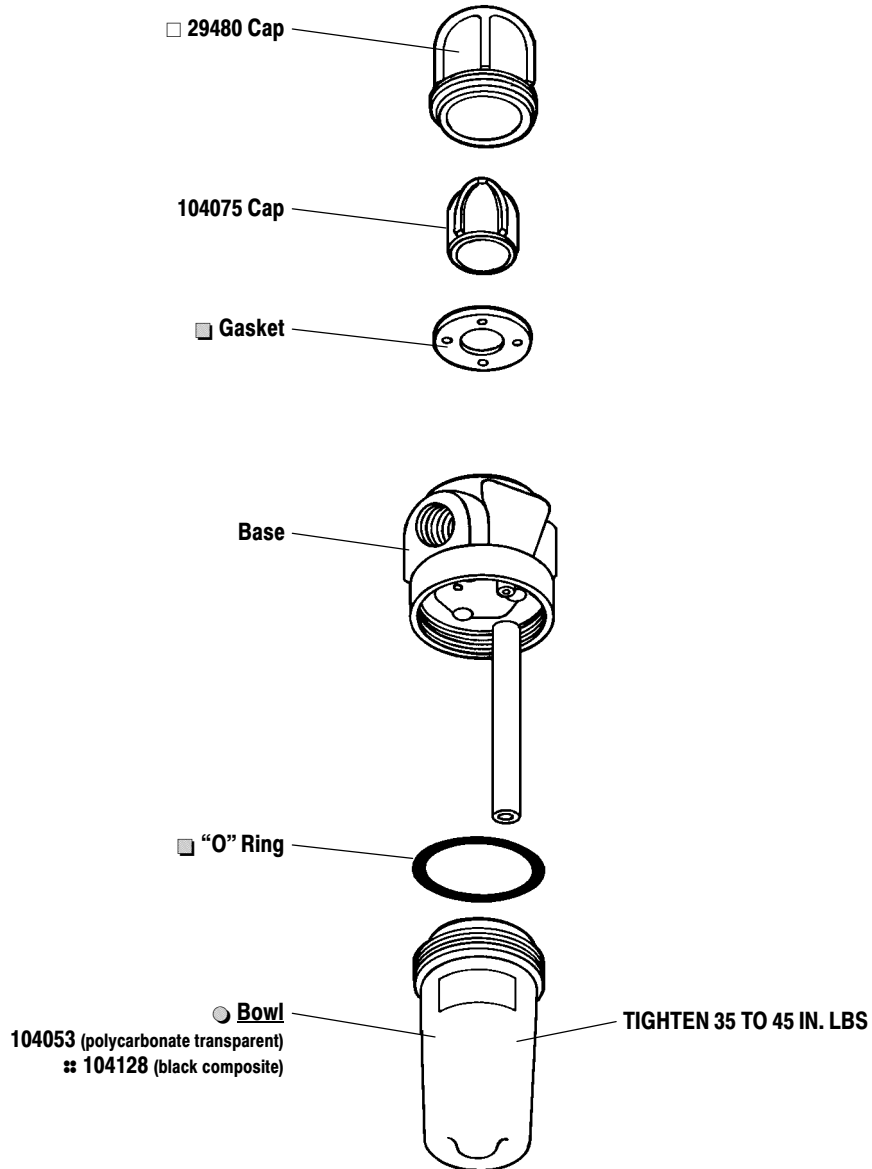


MINIATURE AIR LUBRICATOR

RELEASED: 6-10-98
REVISED: 9-17-99
(REV. A)

MODELS

00361857 - 1/8" NPT
00361865 - 1/4" NPT



- Items included in 104028 repair kit.
 - Tighten to 35 - 45 in. lbs (4.0 - 5.1 Nm).
 - Tighten to 26 - 30 in. lbs (2.9 - 3.4 Nm).
 - ⚡ Chemically resistant, consult the factory.
- NOTE: Lubricate all seals with Key-Lube® grease.

Key-Lube® is a registered trademark of Key Industries.

MSC INDUSTRIAL SUPPLY
151 SUNNYSIDE BLVD.
PLAINVIEW, NY, 11802-1592
☎ (1-800-645-7270)

OPERATING AND SAFETY PRECAUTIONS

- Read carefully all warnings and safety precautions and heed the following before operating, to avoid personal injury and / or property damage.
- Be certain anyone operating this equipment has been trained to use it safely.

⚠ WARNING COMPONENT RUPTURE. DO NOT EXCEED MAXIMUM RATED OPERATING PRESSURE. To avoid possible damage or personal injury, DO NOT expose the unit to excessive pressure beyond the intended working range.

⚠ WARNING TEMPERATURE LIMITS. DO NOT EXCEED MAXIMUM TEMPERATURE LIMITS. Excessive temperature can affect non-metallic parts which may weaken them and cause failure.

⚠ WARNING USE WITH INDUSTRIAL COMPRESSED AIR SYSTEMS ONLY. DO NOT USE WITH BOTTLED GAS PRODUCTS OR FLUIDS. MISAPPLICATIONS CAN RESULT IN COMPONENT FAILURE.

⚠ WARNING DISASSEMBLY HAZARD. DO NOT DISASSEMBLE THIS UNIT WHEN IT IS UNDER PRESSURE. SHUT OFF AND RELIEVE AIR SUPPLY BEFORE ATTEMPTING SERVICE OR DISASSEMBLY PROCEDURES. Isolate the unit by closing the line valve or disconnect the supply line or hose.

⚠ WARNING BOWL REMOVAL HAZARD. THE BOWL MUST BE SECURELY IN POSITION BEFORE EXPOSING THE UNIT TO LINE PRES-

SURE.

⚠ WARNING DO NOT USE DEGREASERS OR SOLVENTS TO CLEAN POLYCARBONATE BOWLS. Exposure internally or externally to incompatible chemicals or their vapors or fumes could attack and weaken polycarbonate material, causing failure.

- DO NOT EXPOSE to acetone, trichloroethane, gasolene, alcohols, ketones, esters, chlorinated hydrocarbons, toluene, etc.
- Clean polycarbonate bowls with soap and water or kerosene only. USE COMPATIBLE LUBRICATING OILS ONLY. Lubricating oils used in plastic bowls must be compatible with polycarbonate plastic (some "fire resistant" oil additives are not compatible). Fumes of these substances in contact with polycarbonate bowls internally or externally can also damage the bowl. Consult listing of harmful chemicals and compatible listings of harmful chemicals and compatible lubricating oils.

⚠ WARNING = Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

⚠ CAUTION = Hazards or unsafe practices which could result in minor personal injury, product or property damage.

NOTICE = Important installation, operation or maintenance information.

TECHNICAL SPECIFICATIONS

MATERIALS OF CONSTRUCTION

Body: Glass-reinforced composite w / Zinc plated steel inserts.

Bowls: Polycarbonate or composite.

Seals: Nitrile.

OPERATION CONDITIONS

Temperature Range: 0°F to 125°F (-18° C to 52° C).

Maximum Inlet Air Pressure: Polycarbonate bowl – 200 p.s.i.g. (13.8 bar).

Composite bowl – 150 p.s.i.g. (10.3 bar).

Application: Industrial compressed air systems.

Oil Capacity: 1.10 oz. (32.5 ml).

Flow: Air flow is at 90 p.s.i.g. (6.2 bar) inlet and 5 p.s.i.g. (.34 bar) pressure drop.

1/8" – 41 SCFM (19 dm³/s)

1/4" – 60 SCFM (28 dm³/s)

INSTALLATION

- Install lubricator with the air flow as indicated by the arrow on the top of the unit.
- Install lubricator as close as possible to the air operated equipment for best performance.
- Lubricator must be installed with the bowls downward for proper operation.
- Locate the lubricator downstream from the regulator and filter.

OPERATION

- Use a good grade of non-detergent oil (part # 29665) for use in the air operated equipment. Refer to the air operated equipment operator's manual.
- Observe the markings (–, +) on the lubricator body which shows direction. Turn the adjustment screw counterclockwise to increase and clockwise to decrease.

LUBRICATOR ADJUSTMENT:

NOTE: This is a siphon type lubricator design, adjustments need to be made with a constant rate of flow thru the lubricator in an operating mode.

- Use a 1/8" allen wrench to adjust the drip rate. The allen screw is located in the body.
- Determine the average rate of flow (SCFM) thru the lubricator, then turn the adjustment screw to obtain one drop per minute for each 10 SCFM. Example: If the average flow is 20 SCFM, set the drip rate at 2 drops per minute.
- Shut off air supply before bowl removal.
- Fill to the top of the bowl.