

602204 - 1/4" PORTS
602206 - 3/8" PORTS

TECHNICAL DATA

Fluid: Compressed air
Maximum pressure: 250 psig (17 bar)
Operating temperature: 0° to +150°F (-20° to +65°C)*

* Air supply must be dry enough to avoid ice formation at temperatures below 35°F (2°C)

Main ports: 1/4" PTF or 3/8" PTF
Start point (i.e., minimum flow required for lubricator operation): 2.0 scfm (0.94 dm³/s) at 90 psig (6.3 bar) inlet pressure
Approximate flow at 90 psig (6.3 bar) inlet pressure and 5 psid (0.3 bar) pressure drop: 35 scfm (17 dm³/s)

Nominal reservoir size: 1.9 fluid oz (56ml)

Materials:

Body: Zinc
Reservoir: Zinc
Liquid level indicator lens: Transparent nylon
Sight feed dome: Transparent nylon
Elastomers: Neoprene, nitrile, and Geolast®

REPLACEMENT ITEMS

Service kit (3, 5, 29).....247880
Liquid level lens kit (25, 27, 28, 29).....247875
Manual drain (22, 23, 24).....247893
Sight feed dome (4, 5)247934

INSTALLATION

1. Install lubricator vertically in air line -
 - downstream of filters and regulators,
 - upstream of cycling valves,
 - with air flow in direction of arrow on body,
 - as close as possible to the device being lubricated.
2. Connect piping to proper ports using pipe thread sealant on male threads only. Do not allow sealant to enter interior of unit.
3. Fill reservoir with a good quality, light, misting type oil for compressed air tools. Oil level must always be visible in lens (27). **DO NOT OVERFILL.**
4. Turn reservoir fully clockwise into body before pressurizing.
5. Manual drain is ported 7/16-24 UNS male for 1/4" tube nut and ferrule.

REFILL RESERVOIR WITH OIL

Shut off inlet pressure and reduce pressure in reservoir to zero. Remove fill plug (2), add oil, and reinstall fill plug. **Do not remove the fill plug when the reservoir is pressurized, as oil will blow out the fill plug hole.**

ADJUSTMENT

1. Turn on system pressure.
2. Adjust lubricator drip rate only when there is a constant rate of air flow thru the lubricator. Monitor drip rate thru sight feed dome (4).
3. Determine the average rate of flow thru the lubricator. Turn slotted red rotator in sight feed dome (4) to obtain the recommended drops

per minute. See *Drip Rate Chart*. Turn rotator counterclockwise to increase and clockwise to decrease the drip rate. Total travel of rotator is 330°.

4. Monitor the device being lubricated for a few days following initial adjustment. Adjust the drip rate if the oil delivery at the device appears either excessive or low.

DRIP RATE CHART

Flow - scfm (dm³/s)	Drops per Minute
2 to 5 (0.9 to 2.4)	7
5 to 30 (2.4 to 14.2)	8
30 to 40 (14.2 to 18.9)	9

DISASSEMBLY

1. Shut off inlet pressure. Reduce pressure in inlet and outlet lines to zero. Loosen fill plug (2).
2. Remove reservoir - push into body and turn counterclockwise.
3. Disassemble in general accordance with the item numbers on exploded view. Disassemble and replace drain (22, 23, 24) only if it malfunctions. Do not remove items 31 thru 36

CLEANING

1. Clean all parts using warm water and soap.
2. Rinse and dry parts. Blow out internal passages in body with clean, dry compressed air.
3. Inspect parts. Replace parts found to be damaged.

ASSEMBLY

1. Lubricate seals, o-rings, and stem of drain valve (23) with o-ring grease.
2. Assemble lubricator as shown on exploded view.
3. Torque Table

	Inch-Pounds (N-m)
2 (fill plug)	9 to 11 (1.0 to 1.2)
4 (dome)	20 to 25 (2.3 to 2.8)
25 (screw)	17 to 22 (1.9 to 2.5)
31 (screw)	6 to 8 (0.7 to 0.9)
4. Turn reservoir (30) fully clockwise into body.

WARNING

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **Technical Data**.

In lubrication applications some oil mist may escape from the point of use to the surrounding atmosphere. Users are referred to OSHA safety and health standards for limiting oil mist contamination and utilization of protecting equipment

Do not use these products with fluids other than air, for nonindustrial applications, or for life-support systems.

