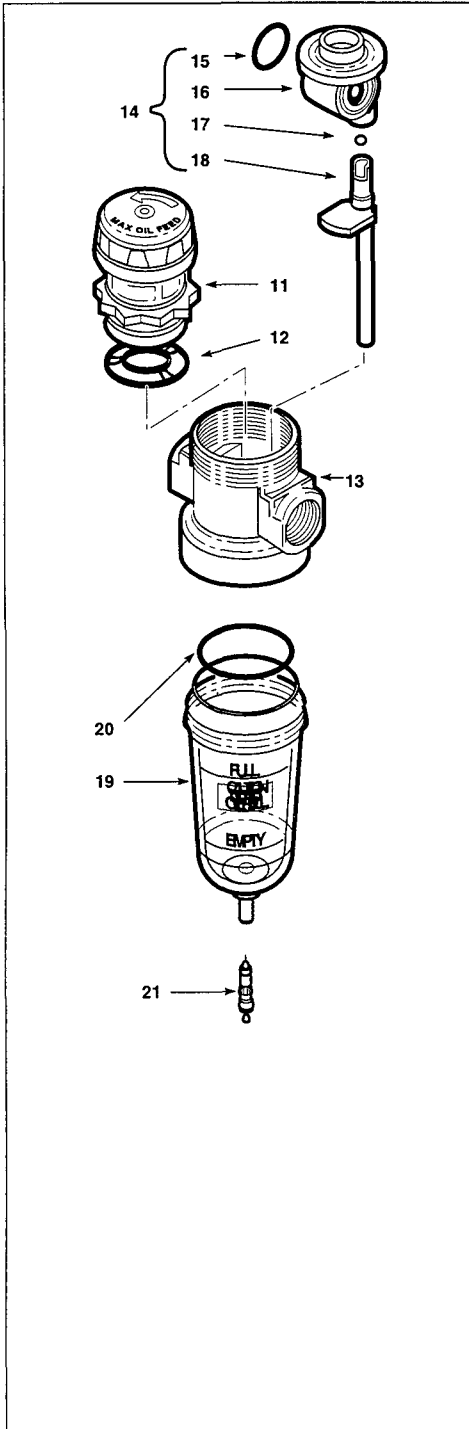


602203 - 1/4" PORTS



TECHNICAL DATA

Fluid: Compressed air
Maximum pressure: 150 psig (10.3 bar)
Operating temperature: 0° to +125°F (-20° to +52°C)*

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

Main ports: 1/4" PTF
Start point (i.e., minimum flow required for lubricator operation): 0.5 scfm (0.24 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: 13 scfm (6.1 dm³/s)
Nominal reservoir size: 1 fluid oz (31ml)

Materials:
Body: Zinc
Reservoir: Polycarbonate plastic
Sight feed dome: Transparent nylon
Elastomers: Neoprene and nitrile

REPLACEMENT ITEMS AND ACCESSORIES

Service kit (12, 15, 20).....	247873
Drain, manual (21).....	247894
Reservoir with drain (19, 20, 21).....	247920
Sight feed dome (11, 12).....	247933
Wall bracket and plastic panel nut.....	247774

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. Remove reservoir and fill with a good quality, light, misting type oil for compressed air tools. Fill to level indicated by the maximum fill line. **DO NOT OVERFILL.**
4. Reinstall reservoir. Torque to 5 to 10 inch-pounds (0.6 to 1.1 N-m).
5. Manual drain is ported 1/8" pipe.

REFILL RESERVOIR WITH OIL

Shut off inlet pressure and reduce pressure in reservoir to zero. Remove reservoir, add oil, and reinstall reservoir. Torque to 5 to 10 inch-pounds (0.6 to 1.1 N-m).

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 (11).
3. Determine the average rate of flow thru the lubricator. Turn knob (11) to obtain the recommended drops per minute. See *Drip Rate Chart*. Turn knob counterclockwise to increase and clockwise to decrease the drip rate. Push red locking on adjusting knob down to lock drip rate setting. Pull locking up to release.
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 (dm ³ /s)	Drops per Minute
0.5 (0.2)	4
1 (0.5)	5
2 (0.9)	8
3 (1.4)	10
4 (1.9)	12
5 (2.4)	14
6 (2.8)	16
7 (3.3)	19
8 (3.8)	21
9 (4.2)	23
10 (4.7)	25

DISASSEMBLY

1. Shut off inlet pressure. Reduce pressure in inlet and outlet lines to zero.
2. Remove reservoir by turning counterclockwise.
3. Disassemble in general accordance with the item numbers on exploded view. Remove and replace drain (21) only if it malfunctions

CLEANING

1. Clean polycarbonate reservoir (19) with warm water only. Clean other parts with 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 and o-rings with o-ring grease.
2. Assemble lubricator as shown on exploded view.
3. Torque Table

	Inch-Pounds (N-m)
11 (dome)	20 to 25 (2.3 to 2.8)
19 (reservoir)	5 to 10 (0.6 to 1.1)

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
Polycarbonate plastic reservoirs can be damaged and possibly burst if exposed to such substances as certain solvents, strong alkalis, compressor oils containing ester-based additives or synthetic oils. Fumes of these substances in contact with the polycarbonate bowl, externally or internally, can also result in damage. Clean with warm water only
Do not use these products with fluids other than air, for nonindustrial applications, or for life-support systems.