



**MASTER
PNEUMATIC**

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A60 & A64 Serv-Oil Upstream SPL (single point lubricator) for Air Tools 1/2 and 3/4

Features

SERV-OIL SINGLE POINT UPSTREAM LUBRICATOR: The single-point lubricator (SPL) is specifically designed to lubricate air tools. It cannot be used for general lubrication of components other than air tools. An SPL is installed in the air supply line upstream of the air tool. When the tool is cycled the SPL injects a precise amount of oil at the air inlet of the tool. Both the amount of oil and the frequency of injection are adjustable.

Feedback

Flow Valve: The air supply line is connected to the inlet of the flow valve. 1/8-inch nylon tubing is connected to the nozzle in the outlet port, then runs inside the air line to within a short distance of the air tool. (Note: A check valve must be installed on the end of the 1/8 nylon tube.) When the air tool is at rest, no air flows in the valve. When the tool is triggered the differential pressure across the sensing disk opens a passage to the pulse counter.

Pulse Counter: When the air tool is triggered the pulse counter receives an air signal from the flow valve. A three position switch on counter is set to allow air signal to proceed to the Servo-Meter on every cycle, every 5th cycle or every 10th cycle. This is one of the means of controlling the amount of lubrication that will be supplied to the air tool.

Servo-Meter: The servo-meter is an air-actuated, positive displacement oil pump. It injects oil with each signal from the pulse counter. To actuate the servo-meter the signal received must have a pressure of at least 60 psig (4 bar). When actuated a precise amount of oil is delivered to nozzle in the outlet port of the flow valve, and is then carried by a nylon line to the air tool. A transparent

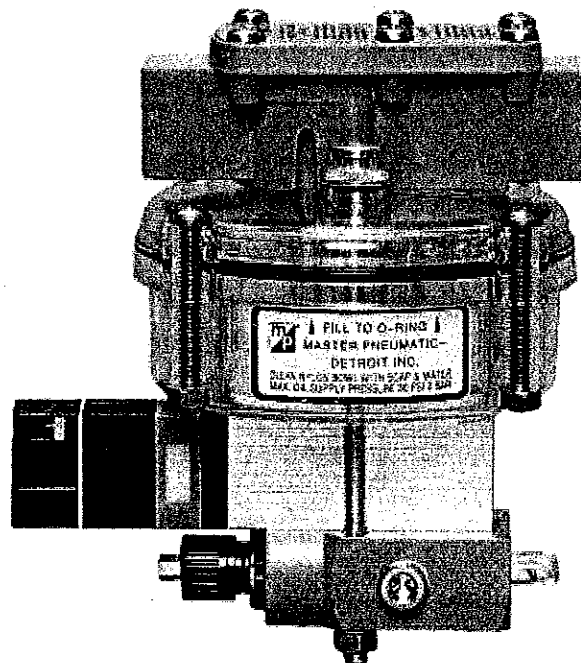
sight indicator on one end of Servo-Meter gives visual verification of oil delivery.

Adjusting Knob: By means of the adjusting knob on the end of the Servo-Meter, oil delivery can be reduced in precise increments from the maximum rating down to 10% of the maximum rating (30% for 2 drop units).

Oil Reservoir: The integral oil reservoir is made of tough, transparent nylon with 10 ounces (300 ml) capacity. It has a quick fill cap and since the reservoir is not pressurized it can be filled at any time. It can also be used with a central-fill system. Gravity is recommended, however fill pressure can be up to 30 psig (2 bar).

An SPL can be ordered without an integral reservoir, in which case a sight dome air eliminator is available for use with a central-fill system.

[Configure Product](#)



Feedback

Specs

Air Flow: Maximum inlet pressure of 150 psig (10 bar) and a pressure drop of 3 psi (0.2 bar):

1/2 NPTF — 4-60 scfm (2-28 dm³n/s)

3/4 NPTF — 4-90 scfm (2-43 dm³n/s)

Ambient/Media Temperature: 40° to 125° F (4° to 52° C).

Flow Valve: Zinc body.

Operating Pressure Range: 60-150 psig (4.1-10.3 bar)

Pulse Counter: Adjustable to operate the Servo-Meter on every cycle, every 5th cycle, or every 10th cycle.

Reservoir: Integral, unpressurized. 10-Ounce (300-ml) capacity transparent nylon with quick-fill cap. Optional **M476R** reservoir. Integral reservoir can be eliminated if a central-fill system is employed

Servo-Meter: Aluminum body; acetal end caps. 1-Drop (0.030ml) rating. Transparent sight indicator gives visual verification of oil delivery.

Optional 1/2-drop (0.015ml) or 2-drop (0.060ml) rating.

Tubing: Optional 25 feet (8 meters) of oil-filled tubing with 420-160 check valve installed.

Dimensions

Service Kits & Literature

3D Models

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