

Electronically Controlled SERV-OIL Multiple-Point Lubricators

Series 7A0



Model Shown: 7A001204B-2110

The electronically controlled multiple-point lubricator has a 3-way solenoid-controlled valve to produce the actuating signals for the Servo-Meters (up to four may be used.). This allows lubrication control to be interfaced with other system electronics, so that the frequency of oil injection is under precise control.

Servo-Meters. Up to four can be included in the assembly with ratings of 1/2, 1, or 2 drops. Each Servo-Meter output is adjustable down to just 10 percent of its rating. Because of their modular construction Servo-Meters can be easily added or removed from the assembly.

Pneumatic Valve. A solenoid-actuated, 3-way valve provides the air pressure to actuate the Servo-Meters. Inlet pressure must be at least 60 psig (4 bar). Available solenoid voltage options are 24-, 110-, or 220-volts AC and 12-, 24-, or 110-volts DC.

Oil Supply. Oil can be supplied from a central reservoir, or an optional integral reservoir. Integral reservoirs are available in 10-ounce (part **M476R**), one-quart (part **M570-6R**), or two-quart (**M570-12R**) capacities.

Air Filter. A general-purpose Sentry filter can be included in the assembly, but is not required if external air filtration is adequate, i.e., has at least 40- μ m filtration.

SPECIFICATIONS

Ambient/Media Temperature:

40° to 125°F (4° to 52°C).

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

Pneumatic Valve: Solenoid actuated 3-way. Electrical: 24-, 120-, 220-volts 50/60 Hz; 12-, 24-, 110-volts DC.

Servo-Meter: Brass body; optional Aluminum and Nickel plated housings; acetal end caps. 1-Drop rating; optional 1/2-drop or 2-drop rating. Minimum operating air pressure: 60 psig (4 bar). Transparent sight indicator gives visual verification of oil delivery.

Oil Viscosity Range: 31-1000 @ 100°F (37.8°C)

IMPORTANT SERIES 7A0 BENEFITS

Modular design provides Servo-Meters, solenoid valve, and air filter in a complete package with easy add-on capability.

There is no need to purchase additional valves or other components. Simply pipe up an air supply and plug in the **MPL** package.

You have full control by coordinating with your own computer programming. This eliminates costly feast-or-famine lubrication.

EASY ORDERING FOR SERIES 7A0

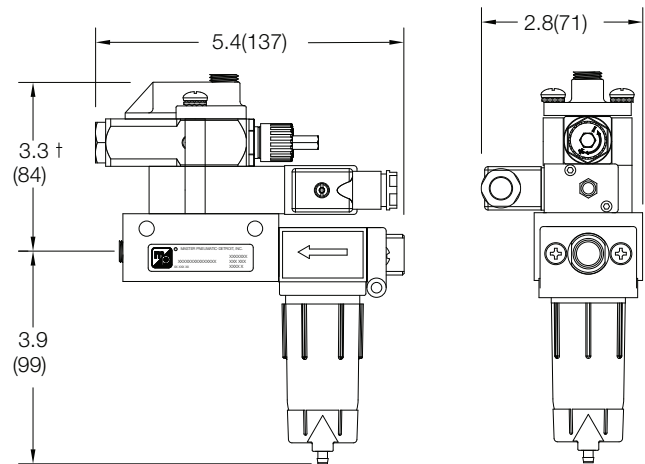
Model Number	Servo-Meters	Inlet Port
7A00#054B-11XY	1/2 drop	1/8 NPTF
7A00#054B-21XY	1/2 drop	1/4 NPTF
7A00#104B-11XY	1 drop	1/8 NPTF
7A00#104B-21XY	1 drop	1/4 NPTF
7A00#204B-11XY	2 drops	1/8 NPTF
7A00#204B-21XY	2 drops	1/4 NPTF

– Insert quantity of Servo-Meters (1 to 4).

X – Insert voltage number (see Ordering Information below).

Y – Insert filter number (see Ordering Information below).

DIMENSIONS inches (mm)



† ADD 0.9 (23) FOR EACH ADDITIONAL SERVO-METER

ORDERING INFORMATION

Change the letters in the sample model number below to specify the **MPL** you want.

7A0 01 05 4 B – 1 1 1 0 W

MPL SERIES

NUMBER OF SERVO-METERS

Specify by numerals
from 01 to 04

SERVO-METER RATING

Half drop 05
One drop 10
Two drops 20

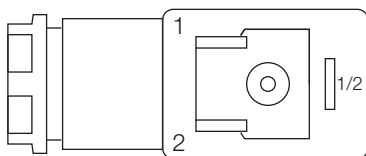
SERVO-METER HOUSING MATERIAL

Brass housing B
Aluminum housing A
Nickel plated brass housing, N
clamp and mounting plate.

INLET PORT SIZE

1/8 NPTF 1
1/4 NPTF 2

DIN 4360 Form B Option 1



Normal Polarity:

1 = (+) positive, high
2 = (-) negative, neutral
1/2 = chassis ground

NOTE: Optional automotive standard to mini plug is available. Consult Master Pneumatic.

PORT TYPE

NPTF threads Leave Blank
BSPP threads W

FILTER

Standard Sentry filter 0
No filter; female side port 1

VOLTAGE

120 volts, 50/60 Hz 1
24 volts, DC 2
24 volts, 50/60 Hz 3
220 volts, 50/60 Hz 4
12 volts, DC 5
110 volts, DC 6