

Trabon[®] and Manzel[®]

Model MH3OOO Lube Meter™ Product Specs and Ordering

Bulletin 14630

Lube Meter measures and records volume of oil delivered to a continuous flow centralized lubrication system.

DESCRIPTION

The Model MH3OOO Lube Meter[™] is ideally suited for use with series progressive type Systems operating at medium pressures and requiring oil flow at rates ranging from two pints to 200 quarts per day.

A hydro-mechanical device, the Lube Meter consists of a three-section MH Series Progressive Divider Valve with a cycle indicator pin that's connected to a mechanical counter, plus a liquid-filled pressure gauge with a dial range of 0 to 3,000 psi (207 bar). These components are mounted in, and protected by, a 9.5 x 6.7 x 3.7 inch (241 x 170 x 92.5 mm) steel enclosure.

FEATURES / BENEFITS

- Positive mechanical counting action. Handy guide convert counts to pints or liters per day is located on Lube Meter's front cover.
- Extremely fast and simple installation. No electrical connections. Just mount the Lube Meter with four screws, then connect one input line and one output line.
- Built-in outlet check valve protects Lube Meter against downstream back pressure conditions, prevents contaminants from working back into the Lube Meter.
- Easily visible, built-in liquid-filled pressure gauge continuously registers pressure of lubricant flowing through meter, helps monitor performance of entire system.
- Large, easy-to-read counter digits. Reads up to 99,999 cycles. Reset requires removing Lube Meter cover, then turning knob. This helps prevent accidental reset or tampering.
- Air bleed screws simplify purging air from the system after shutdowns.



SPECIFICATIONS

Material (basic)	Steel
Seals	Viton *
Working pressure (Max.)	3,000 psi (207 bar)
Flow rate (24 hour day)	2 pints to 200 quarts (0.94 to 189.21 liters)
Volume measuring accuracy	± 3%
Pressure measuring accuracy.	± 2%
Lubricant	Oil
Weight	13 lbs., 6 oz. (6.065 kg)

* Viton is a trademark of DuPont Company.



Model MH3000 Lube Meter with cover removed

14630



OPERATION



The Lube Meter mounts in series in the oil line between the pump and the master divider valve on the operating equipment. It is operated entirely by the flow of oil through it.

The Lube Meter incorporates an MH Series Progressive Divider Valve (A) ported for one inlet and one outlet line. The pressure gauge (E) monitors system pressure in the outlet line. An indicator pin (B) is connected to one of the divider valve pistons. It makes one complete in-andout cycle with passage of a specific volume of oil. The pin's in-and-out motion rotates a sturdy spur gear (C) which drives the mechanical counter (D). The counter, in turn, records one count (or cycle) with each completed cycle of the divider valve.

HOW TO ORDER

To order the Lube Meter Model MH3OOO, u	Jse
Part No	.510-770-110

For product service and maintenance refer to bulletin number 44630.



DIMENSIONS Inches (mm)





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Products include:

DIVIDER VALVES: for oil and grease...to 7,500 psi... 1 to 24 points from a single valve assembly...up to 256 points from a Master/Secondaries circuit...or systems that handle an entire plant.

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