

ISO 9001 CE UL

# PULSARLUBE M

The New Generation of Single Point Lubricators **ML500 / OL500**



**ML/OL500 Cartridge**

Grease Type  
Oil

Lot Number

Installation Date

Expiration Date

- Grease and Oil containing carboxylate NLGI grades are suitable under temperature and load conditions.
- It is highly recommended that only factory filled grease cartridge. (Warranty will be void if you malfunction due to human error.)
- The battery must be replaced at the end of every cycle when using grease cartridge or when the lubricator is used.
- Check for compatibility before being used on any machine. The lubricator is made of plastic.

For more information, please contact your distributor.

 Pulsarlube USA, Inc

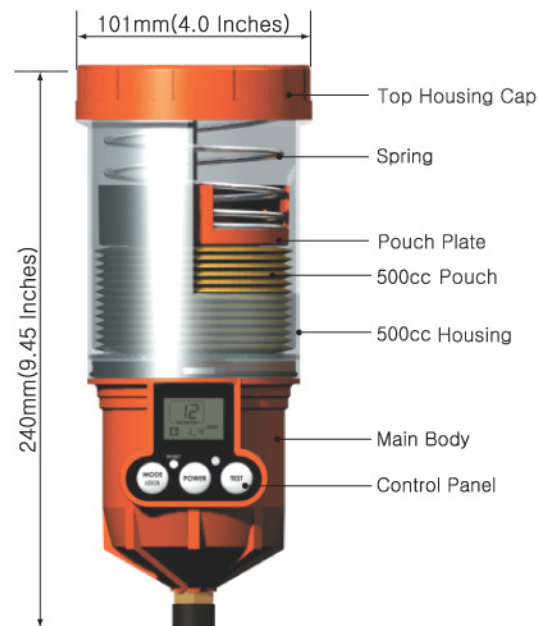
# Pulsarlube ML500 (500cc Automatic Grease Lubricator)

## General Description

Pulsarlube ML500, a newly developed single point automatic grease lubricator, is primarily designed to ensure reliable lubrication of large size (>102mm O.D.) bearings commonly found in mining, cement, and steel industry. It is recognized that a common 125 or 250cc SPL unit does not have sufficient volume of lubricant required for large size bearings. Pulsarlube ML500 has a capacity of 500cc grease volume which meets the volume requirement specified by a bearing or equipment manufacturer.

It consists of a vertical feed pump, motor/gear set, and Microprocessor control system, which delivers an outstanding operating pressure of 280 psi, 20Kg-f/cm<sup>2</sup>. For a cluster of bearings in close proximity or large size electric motor bearings, it can be also used as a multi-point lubricator by means of remote installation with a standard divider block.

The lubricant is supplied in customized 500cc grease pouch. Grease pouch and battery pack are replaceable in one package called "Service Pack" It consists of 5 different types of standard grease with either a standard battery pack or high performance lithium battery pack (optional), depending on the requirement of application. It offers a unique, selectable, 8 different dispensing rates from 1/2(Half) to 24 months in a single unit.



## Special Features

New Pulsarlube ML500 has following features newly added:

<b>Auto Locking Mode:</b>	This function is provided to confirm that the unit MUST operate as per user setting in full period of service. It prevents a possible mode change by unintended (or erroneous) pressing keypad when the unit is still operating. When all modes are completely set, ML500 unit automatically locks keypad after 30 seconds and a "Lock Icon (🔒)" will pop-up on LCD. Once activated, the unit will not accept any input by pressing keypad. To <b>unlock</b> the keypad and go back to installation mode, simply press the "Mode" button for 2 seconds until Lock Icon disappears.
<b>Low Battery Sensing:</b>	A Red LED blinks every second when low battery exists.
<b>Daily Dispensing Rate Display:</b>	Once Auto Locking Mode is activated, the selected daily dispensing rate will start blinking on LCD until the dispensing period expires. Please refer to the chart in "Lube Cycle and Dispensing Volume" section of Specification below.

## Pulsarlube ML500 Battery Selection Guide

	Alkaline Battery (Standard)	Lithium Battery (Option)
Temperature	14°F ~ 122°F (-10°C ~ +50°C)	-40°F ~ 140°F (-40°C ~ +60°C)
Back Pressure	280psi or less	Handles greater than 280psi
Divider Block	N / A	Upto 8 points
Distance	10ft or less for remote installations	Handles greater than 10ft / line for remote

## Grease Dispensing Rate Guide for 125cc, 250cc & 500cc Lubricators

Bearing Shaft Dia.	125cc	Grease Volume (cc / Day)	250cc	Grease Volume (cc / Day)	500cc	Grease Volume (cc / Day)
230 - 330mm (9" - 13")	N / A	–	N / A	–	1/2(H) Month	33.3
166 - 229mm (6 1/2" - 9")	N / A	–	1/2(H) Month	16.6	1 Month	16.6
102 - 165mm (4" - 6 1/2")	1/2(H) Month	8.3	1 Month	8.3	2 Month	8.3
90 - 101mm (3 1/2" - 4")	1 Month	4.2	2 Month	4.2	4 Month	4.2
77 - 89mm (3" - 3 1/2")	2 Month	2.8	3 Month	2.8	6 Month	2.8
65 - 76mm (2 1/2" - 3")	3 Month	1.4	6 Month	1.4	12 Month	1.4
					18 Month	0.9
51 - 64mm (2" - 2 1/2")	6 Month	0.7	12 Month	0.7	24 Month	0.7
25 - 50mm (1" - 2")	12 Month	0.3	N/A	–	N/A	–

## Specifications

- Grease Capacity 500cc
- Grease Housing Spring Loaded, Replaceable and Transparent Poly Carbonate Body
- Main Body Engineering Plastic (GE Xenoy)
- Power Supply DC 4.5 Volt (Replaceable)  
Standard Alkaline Battery Pack (Duracell)  
Optional Lithium Battery Pack (Energizer)
- Operating Pressure Upto 280psi (20kgf/cm<sup>2</sup>)
- Operating Temperature Standard Battery : -10°C (14°F) ~ 50°C (122°F)  
Optional Lithium Battery : -40°C (40°F) ~ 60°C (140°F)

Suggest the use of appropriate NLGI grade, quality grease where a constant cold temperature exists

- Output Thread 3/8" ± (BSPT/NPT)
- Packaging Individually packed, 8 units per case
- Lube Cycle and Dispensing Volume

Dispensing Period (Month)	Lube Cycle (Cycles/Day)	Dispensing Volume (cc/Day)	Display on LCD
1/2(H)	15 Min (96)	33.3	☺ 33.3
1	30 Min (48)	16.6	☺ 16.6
2	1 Hour (24)	8.3	☺ 8.3
4	2 Hours (12)	4.2	☺ 4.2
6	3 Hours (8)	2.8	☺ 2.8
12	6 Hours (4)	1.4	☺ 1.4
18	9 Hours (2.66)	0.9	☺ 0.9
24	12 Hours (2)	0.7	☺ 0.7
TEST	Continuous (6/1 Turn)	–	☺ tEST

- 5 different types of standard grease available (OEM filling available on demand)
- Can be used as a multiple point lubricator (Upto 8 points, remotely installed with divider block)

# Pulsarlube OL500 (500cc Automatic Oil Lubricator)

## General Description

The Pulsarlube OL500 Oil Lubricator consists of a vertical feed pump, motor/gear set, and Microprocessor control system. Cartridges are supplied in volumes of 500cc along with a Pulsarlube battery pack. These cartridges are also re-fillable.



## Specifications

- Operating Temperature : 14°F ~ 140°F (-15°C ~ +60°C)
- Available Oil Viscosity Range : 46 ~ 10,000 cSt @ 40°C
- Operating Pressure : 280psi (20kgf/cm<sup>2</sup>)
- Oil Capacity : 500cc
- Variable Settings Available : 1/2, 1, 2, 4, 6, 12, 18 & 24 Months
- Default Setting : 1 Month
- D.C. 4.5 Volt Standard Alkaline Battery. Lithium Battery available for low temps (-40°F / -40°C)
- Auto Locking Mode included
- Can lubricate up to 4 points through the use fo remote install kit (1250RO series)

## Oil Dispensing Rate for OL500

Dispensing Period (Month)	Days to empty	Dispensing Volume (cc / Day)
1/2(H)	15	33.3
1	30	16.6
2	60	8.3
4	120	4.2
6	180	2.8
12	360	1.4
18	540	0.9
24	720	0.7

### Note

- Daily dispensing volume will vary upon oil viscosity.
- Battery must be replaced when oil refill.
- Check for compatibility between oil being used and plastic that the lubricator is made of.
- For more information, please contact your distributor.

## OL500 for Chain Lubrication

OL500 ensure that chains are permanently and simply supplied with the proper lubricant in amounts specified by you.

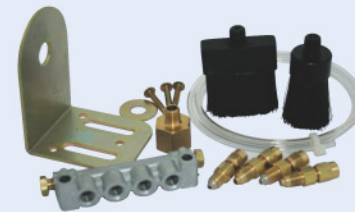
Advantages of the OL500 Oil Lubricator:

- Significantly reduce the wear
- Reduce oil consumption
- Protection against corrosion and dirt
- Extends the service life of chains, thus reducing high maintenance costs

## Remote Installation Kits

Product #	Description
1000RO-1	1-point remote installation kit for Pulsarlube Oil lubricator
1250RO-2	2-point remote installation kit for Pulsarlube Oil lubricator
1250RO-3	3-point remote installation kit for Pulsarlube Oil lubricator
1250RO-4	4-point remote installation kit for Pulsarlube Oil lubricator

### Parts



### © Pulsarlube USA, Inc

4312 DiPaolo Center Glenview, IL 60025 TEL: 847-795-0591 FAX: 847-795-0119 www.pulsarlubeusa.com Email: info@pulsarlubeusa.com

### ✦ WARRANTY

Pulsarlube USA, Inc guarantees the product to be free of defects, in material and workmanship, for a period of 12 months from the date of manufacture. Warranty is limited to replacement of the product.