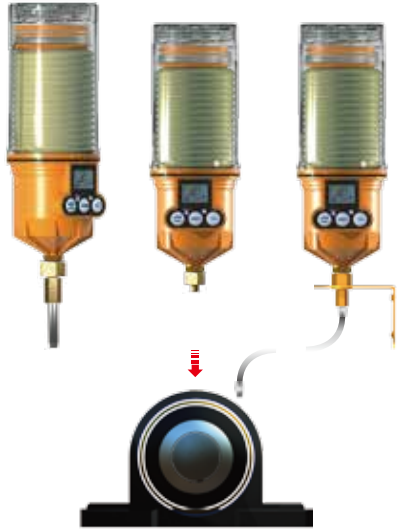
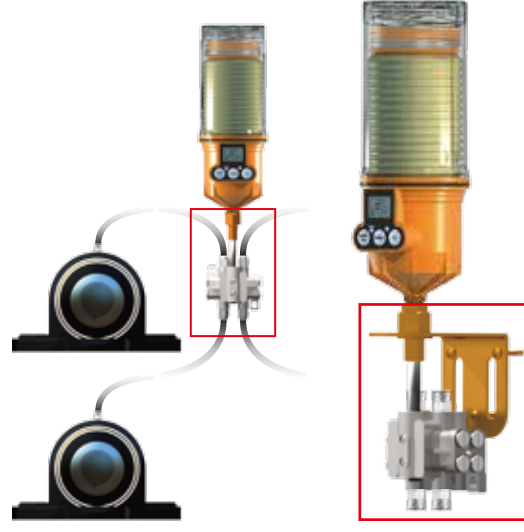


Available Mounting Options

Single Point Lubrication



Multi Point Lubrication Using Progressive Divider Block



Direct Straight Mount (with or without extension tube) is always preferable. However, for applications not allowing any direct mounts or extension mounts, remotely mount the unit using 6mm OD (1/4") pre-filled lube line.

Remote multi point lubrication is available with the Pulsarlube M500 using a divider block. It is recommended to test the back pressure of the bearing, lube lines, and divider block after assembly using a grease gun connected to a pressure gauge. Ensure the break-off pressure is below the average operating pressure of 30kgf/cm² (425psi).

WARNING Keep the maximum distance per lube point at 6m (20ft) or less.

Lube Cycle & Dispensing Recommendations

Bearing Shaft Diameter	Dispensing Period	Lube Cycle	Dispensing Volume	LCD Display
166mm(6.5") ~ 229mm(9.0")	H (Half)	15 min	33.3ml/day	☑ 33_3
102mm(4.0") ~ 165mm(6.5")	1month	30 min	16.6ml/day	☑ 16_6
90mm(3.5") ~ 101mm(4.0")	2month	1 hr	8.3ml/day	☑ 8_3
77mm(3.0") ~ 89mm(3.5")	4month	2 hr	4.2ml/day	☑ 4_2
65mm(2.5") ~ 76mm(3.0")	6month	3 hr	2.8ml/day	☑ 2_8
51mm(2.0") ~ 64mm(2.5")	12month	6 hr	1.4ml/day	☑ 1_4
25mm(1.0") ~ 50mm(2.0")	18month	9 hr	0.9ml/day	☑ 0_9
Less than 25mm(1.0")	24month	12 hr	0.7ml/day	☑ 0_7

Shelf Life and Product Warranty

The shelf life of each Pulsarlube M500 unit is 1 year from the date of production. Product warranty is limited to original defects in material and workmanship and will not cover any collateral damage due to mishandling, abuse and/or any other inappropriate use of this product. Warranty period is 1 year from the date of purchase.

How to Order

M500 / PL1
M500 / PL5

Grease Type
Pulsarlube Model #

PULSARLUBE M500

USER MANUAL

Automatic Grease Lubricator for Larger Bearings

Specifications

Specifications	Description
Grease Pouch	500ml (replaceable)
Operating Pressure	30-60kgf/cm ² (425~850psi)
Operating Temperature	-15°C ~ 60°C (5°F ~ 140°F) -40°C ~ 60°C (-40°F ~ 140°F)* * with optional Lithium Battery Pack
Product Size	Ø92mm (3.6") × 260mm (10.2")
Weight	1.30kg (2.86 lbs) for fully assembled unit
Available Dispensing Periods	Half (H), 1, 2, 4, 6, 12, 18 & 24 months
Installation Thread Size	3/8" Male BSPT
Multi Point	Up to 8 points
Remote Installation	Up to 6m (20ft) using a 6mm (1/4") O.D. pre-filled lube line

NOTE Technical information is subject to change without notice.

Models

PULSARLUBE M500, 500ml Grease Lubricator

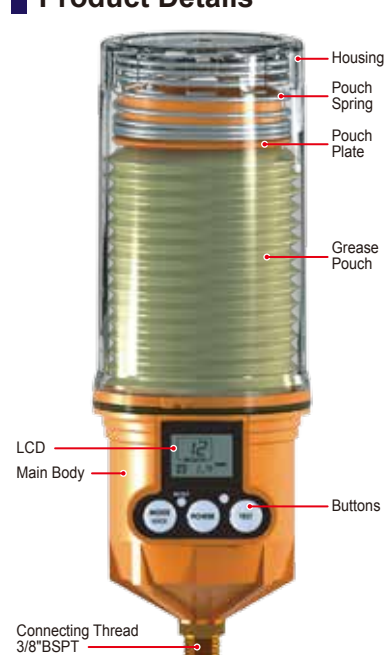
ISO9001/14001

Before Use

Thank you for purchasing the Pulsarlube M500. The Pulsarlube M500 is primarily designed to meet the requirements of larger bearings. To ensure the safe operation and proper installation of the Pulsarlube M500 unit, we strongly recommend that you read the following information carefully before use.

If you require further information, please contact your local supplier or manufacturer.

Product Details



Buttons

	Select the dispensing rate in ascending order: 1 ▶ 2 ▶ 4 ▶ 6 ▶ 12 ▶ 18 ▶ 24 ▶ Half (H)
	Deactivate "Automatic Lock Out" by pressing the MODE/LOCK button until the lock icon (🔒) disappears
	Press the POWER button for 2 seconds to turn unit on or off.
	Test function prior to installation or after changing the service pack
	Reset the unit when the unit malfunctions and/or after changing the service pack

LCD Display - Function

	The dispensing period setting
	The # of days remaining until the end of lube cycle
	The unit is in "Automatic Lock Out" mode
	Grease pouch capacity
	The test mode is activated
	The # of days after dispensing has completed
	The # of days on stand-by mode due to excessive backpressure
	Low battery power
	Excessive backpressure exists
	Empty grease level
	Signal lamp blinks periodically when battery power is low, excessive backpressure exists, or if grease level is empty

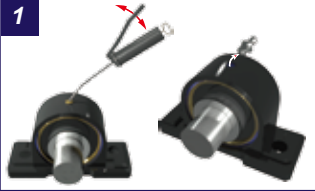
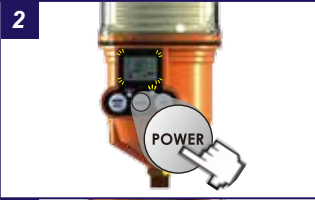

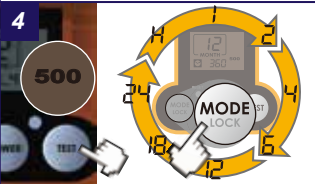
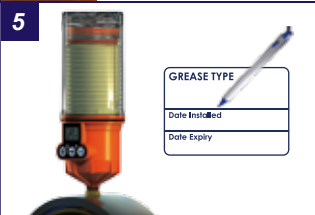
Pulsarlube USA, Inc.

1480 Howard Street, Elk Grove Village, IL 60007, USA
TEL: 1-847-593-5300 FAX: 1-847-593-5303

www.pulsarlube.com / info@pulsarlube.com

Installation Instructions


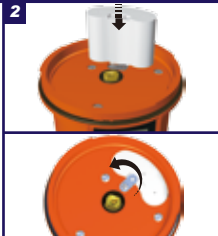
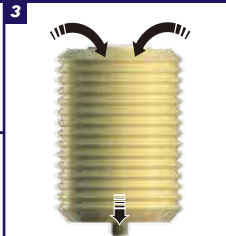
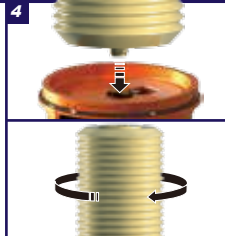
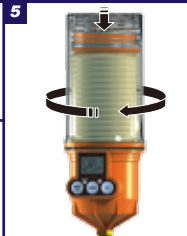
For Completely Assembled Pulsarlube M500 Unit - Initial Installation

	<p>Before installation of the Pulsarlube M500 unit, remove contaminants around the lube point and ensure a clear passage by purging the lube point with a manual grease gun.</p> <p>Remove the grease nipple and check for hardened grease at the bearing lube point. If hardened grease exists, clean the lube point before mounting the Pulsarlube M500 unit on the bearing.</p>
	<p>Turn the Pulsarlube M500 unit ON by depressing the POWER button for 2 seconds. The red LED blinks once as soon as the POWER button is depressed.</p>
	<p>Press the TEST button for 2 seconds to run a test cycle. The unit will start to dispense grease and operate continuously in purge / test mode. This process will last approximately 2 minutes to ensure every function of the lubricator is working properly.</p>
	<p>Press the MODE button to program the dispensing period. Each time the MODE button is pressed, the dispensing period changes in ascending order: 1 ▶ 2 ▶ 4 ▶ 6 ▶ 12 ▶ 18 ▶ 24 ▶ H (H=Half month)</p>
	<p>Install the Pulsarlube M500 unit on the lube point using appropriate adapters and accessories as needed. Make sure that adapters and accessories are firmly tightened.</p> <p>The installation date and the scheduled date of lube cycle completion should be logged for maintenance purposes.</p>









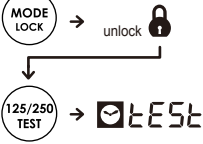

Service Pack Installation

If the Pulsarlube M500 unit is provided with a replaceable service pack, the following procedure is required before step #2 of above. For complete service pack installation instruction, please refer to the Service Pack user manual, step #2-6 in the section of "How to Replace a Service Pack".

Quick Reference for Service Pack Installation

				
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Troubleshooting Guideline

Symptom	LCD Display	Possible Cause of Trouble	Troubleshooting Steps
Unit Won't operate	Normal	<ul style="list-style-type: none"> Electrical malfunction of CPU or circuitry Contact problem (open circuit) at buttons in control panel 	Contact your local supplier or manufacturer for either repair or replacement
	Blank Screen	<ul style="list-style-type: none"> Electrical malfunction of CPU or circuitry Battery pack installed incorrectly Faulty or damaged battery pack Old battery pack was not replaced 	<ol style="list-style-type: none"> Make sure the battery pack is installed correctly Replace battery pack Contact your local supplier or manufacturer for either repair or replacement
Low Battery Indication		<ul style="list-style-type: none"> Expired battery pack Extreme storage conditions (temperature or humidity) Faulty or damaged battery pack Extreme operating conditions 	<ol style="list-style-type: none"> Ensure operating environment meets requirements Replace battery pack <p>WARNING</p> <ul style="list-style-type: none"> The battery pack must be replaced together with each grease pouch replacement Keep battery pack stored in a cool, dry place to prevent damage
Unit Won't Dispense Grease	   	<p>Excessive backpressure exists due to:</p> <ul style="list-style-type: none"> Over lubrication High backpressure in lube line due to hardened grease, ruptured lube line, long distance remote installation, etc. Low battery power due to extreme operating conditions 	<ul style="list-style-type: none"> Uninstall the lubricator from the bearing or remote installation kit  <p>If after running test mode  is still present:</p> <div style="border: 1px solid red; padding: 5px;"> <ul style="list-style-type: none"> Replace battery pack Check backpressure at lube point and/or lube line Check grease dispensing rate Reduce remote installation distance Use a lithium battery pack in extreme environments </div> <p>If after running test mode  is no longer present, it is okay to reinstall the lubricator.</p> <ul style="list-style-type: none"> Resolve the cause of backpressure before reinstalling lubricator
	Normal	<p>If the lubricator reaches the end of its cycle and there is lubricant still remaining in the grease pack</p> <ul style="list-style-type: none"> Check for grease hardening within the grease pack or in the lube line. 	<ul style="list-style-type: none"> Install and secure grease pouch correctly Replace grease pouch and battery pack Use appropriate quality grease for operating environment  <ol style="list-style-type: none"> Deactivate Auto Lock Run test mode Check if grease is dispensing <p>NOTE</p> <p>If the issue is not solved, refer to the steps below.</p>  <p>To check for hardening of the grease.</p> <ol style="list-style-type: none"> Purge hardened grease out of grease pack, then re-install. Run the test mode and ensure that the lubricator is dispensing properly. Install the unit onto lube point. If the lubricator is still not dispensing, replace with new grease pack.