

Big difference with conventional single point lubricators

Pulsarlube Mi self-contained automatic motor lubricators have been designed to combine the performance advantages of electro-mechanical unit with the electric motor synchronizing advantages. Pulsarlube Mi provides high performance lubrication at constant output rates when motor is under operating. They can be stopped when electric motor will be stopped to avoid overgreasing.

Consider these features

- ◆ Fully automatic operation.
- ◆ Easy to inspect. Clear see through reservoir
- ◆ Simple to install. No tools or equipment needed
- ◆ High performance lubricants of different types
- ◆ Reliable constant & predictable lubricant supply
- ◆ Low cost, competitive with manual lubrication
- ◆ Less expensive than competitive products

Enjoy these advantages

- ◆ Enhanced motor bearing life, reduced failure rates
- ◆ Reduced maintenance labor demands
- ◆ Anyone can install & maintain Pulsarlube Mi
- ◆ Constant lube supply flushes contaminants away
- ◆ Units & dispensing rates to suit all applications
- ◆ Reduced plant maintenance costs

Caution

1. If the cable from the vibration detector is too long, adjust the cable length using a tie band.
2. The cable from the vibration detector should not touch the motor directly.
3. The position of the vibration detector should be checked regularly to make sure it is positioned properly.
4. If the vibration detector stays lit instead of flashing at the lowest sensitivity level or does not sense vibration at the highest sensitivity level, please contact your distributor.
5. If the E-LP icon appears on the LCD, the grease pouch and battery pack should be replaced immediately regardless of grease remaining in the pouch.

Shelf Life and Warranty Period

The shelf life of each Pulsarlube Mi 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

Mi60 / PL1
Mi125 / PL2

Grease Type

Lubricator Model (Pulsarlube Mi, Mi60: 60ml, Mi125: 125ml Capacity)



Models

PULSARLUBE Mi 60 & 125ml

ISO9001/14001 CE

Specifications

Specifications	Description
Grease Pouch	60 / 125 ml (replaceable)
Power Supply	Replaceable DC 4.5V Battery Pack Standard: Alkaline Battery or Optional: Lithium Battery
Vibration Sensor Type	Piezo-electric Built-in Sensitivity Control (Adjustable from scale 0-10: Most sensitive-10, Least sensitive-0)
Wire Length	1.2m (4ft) from the main unit
Operating Temperature	-15°C ~ 60°C (5°F ~ 140°F) -40°C ~ 60°C (-40°F ~ 140°F) * * with optional Lithium Battery Pack
Operating Pressure	Avg. 30 kgf/cm ² (425psi) Max. 60kgf/cm ² (850psi)
Product Size	Lubricator: 91mm (3.6") Dia., 183mm (7.2") H Vibration Detector: 77mm (3.0") W, 45mm (1.7") H
Installation Thread Size	3/8" Male BSPT
Service Life of Battery Pack	Up to 2 years





Product Details




















NOTE Technical information is subject to change without prior notice.

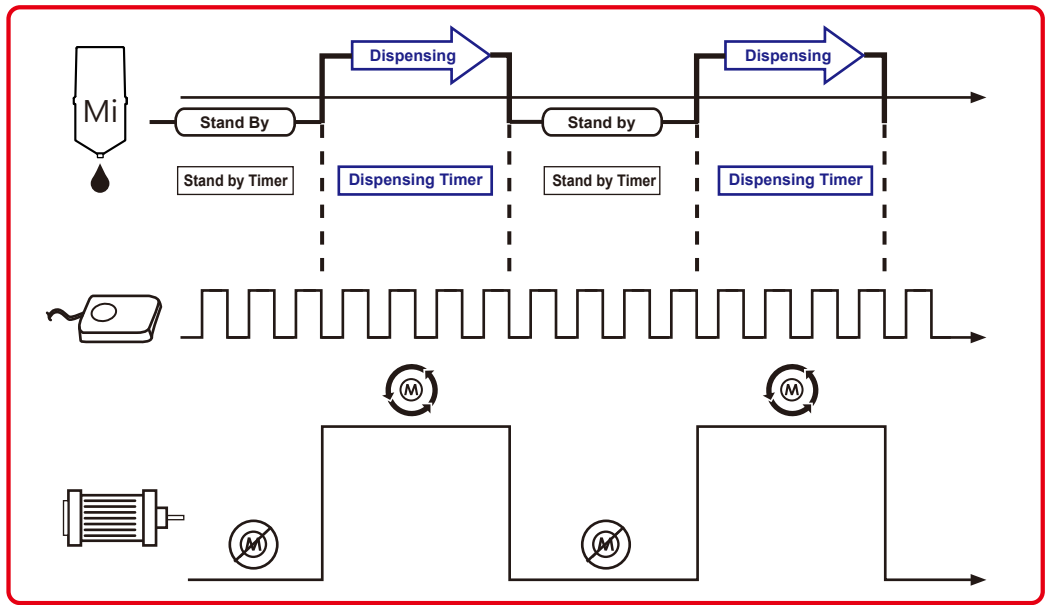
Before Use

Thank you for purchasing the Pulsarlube Mi, the most advanced vibration sensing automatic grease lubricator from Pulsarlube USA. To ensure the safe operation and proper installation of the Pulsarlube Mi, we strongly recommend that you read the following instructions carefully before use. If you require further information, please contact your local supplier.

Buttons			
	Select the dispensing rate in ascending order: 1 ~12 months		Press the POWER button for 2 seconds to turn unit on or off
	Deactivate "Automatic Lock Out" by pressing the MODE/LOCK button until the lock icon (🔒) disappears		
	Select the volume of grease pouch 60 or 125ml		Reset the unit when the unit malfunctions and/or after changing the service pack
	Run a test cycle by pressing the TEST button for two seconds		

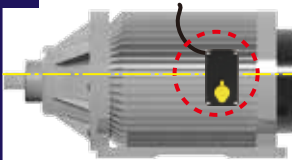
LCD Display - Function			
	The dispensing period setting		Empty grease level or 2 years past service pack installation
 - 150	The # of days remaining until the end of lube cycle		Signal lamp blinks periodically when battery power is low, dispensing has stopped, or when sensing vibration during vibration test
	The unit is in "Automatic Lock Out" mode		The test mode is activated
60 or 125	Selected grease pouch capacity	 5:03	The # of days after dispensing has completed   Low battery and empty grease level icons are displayed at the same time
	Low battery power	 4:03	The # of days on stand-by mode due to excessive backpressure   Low battery and excessive backpressure icons are displayed at the same time
	Excessive backpressure exists	 1-UP	Service life of grease and battery pack has expired   Low battery and empty grease level icons are displayed at the same time

The Pulsarlube Mi Functioning Process



Installation Instructions


1



Select the vibration detector location.

- Explore a suitable point for placing the vibration detector of the Pulsarlube Mi unit. The vibration detector should be aligned horizontally with the center of the rotating shaft or as close as possible. The vibration detector must be placed vertically with the yellow cap facing downward.
- Place the vibration detector on the steel housing. There is a magnet on the back of the vibration detector.


2



Set the vibration test mode.

- Press the "POWER" button and confirm the LCD is displaying the default setting.
- Press and hold the "POWER" button first, then the "MODE/LOCK" button while the "POWER" button is still pressed.
- The LCD will briefly turn off and then the word "TEST" and the preset capacity (60ml or 125ml) will start flashing on the LCD to indicate that the vibration test mode has been activated.

3




Check and adjust the vibration sensitivity while the machine is not operating.

- Confirm there is no vibration being sensed by the vibration detector during the vibration test mode. Make sure the machine is turned off when running the vibration test mode. If the detector senses vibration while the machine is off, the Clock Icon (🕒) will appear on the LCD.
- If the Clock Icon appears, adjust the sensitivity of the detector until the Clock Icon disappears. Refer to "How to Adjust the Vibration Detector Sensitivity" below.
- Once the detector is set at the proper sensitivity, exit VIBRATION TEST MODE by pressing the "POWER" button until the default LCD displays.
- Press the MODE button to program the desired dispensing period.

⚠️ WARNING
If the Clock Icon displays even at the lowest sensitivity (Level 0), due to resonance, please move detector to other location to avoid resonance.

4



Check the operating status of the machinery and the Pulsarlube Mi unit while the machine is operating.

- Install the Pulsarlube Mi unit on the lube point using appropriate adapters and accessories.
- Run the vibration test mode again while the machine is operating. The Clock Icon will appear to indicate the sensor is detecting vibration and working properly.
- Make sure to exit VIBRATION TEST MODE and confirm that the Pulsarlube Mi is operating in synchronization with the machine's operation.
- Log the installation date for maintenance purposes.

⚠️ WARNING

- If the Clock Icon does not appear during the vibration test mode even though the machine is operating, repeat steps 2 and 3 and adjust the sensitivity and/or relocate the detector as necessary.
- If the LCD of the Pulsarlube Mi unit is turned off at any point while the machine is operating, check if the detector is sensing vibration properly by repeating steps 2 and 3.

How to Adjust the Vibration Detector Sensitivity

- Open the yellow cap of the vibration detector.
- While the unit is in VIBRATION TEST MODE, turn the dial counterclockwise using a Philips or flat-head screwdriver to reduce the sensitivity of the vibration detector. Adjust the sensitivity until the Clock Icon disappears while the machine is off.

NOTE The vibration detector is preset at the most sensitive level of 10.

- Once the detector is set at the proper sensitivity, exit VIBRATION TEST MODE by pressing the "POWER" button until the default LCD screen displays.