



### Operating Principles

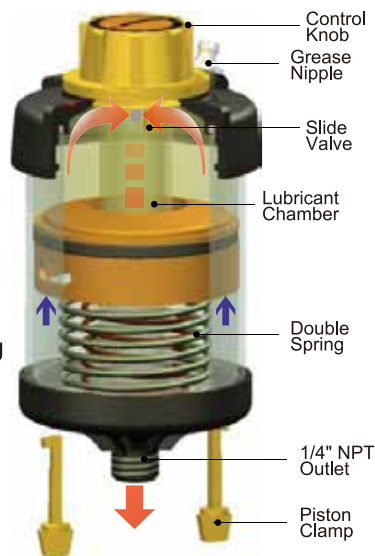
The innovative Pulsarlube S has a very unique and scientific design.

Conventional spring type lubricators contain a ball valve to be able to control the flow rate of the lubricant.

Such mechanism makes it very difficult to control the dispensing rate on this type of lubricator.

Another fact that applies to spring type lubricators is that the spring constantly pushes down on the lubricant, thereby causing oil separation.

When oil separation occurs, gravity allows the oil to drip out from the bottom, leaving only the thickener behind in the lubricator's chamber.



### Advantages

1. Prevents oil separation while in storage because it contains a piston clamp.
2. Can be immediately installed (Available Pre-filled)
3. Much more reliable and effective than any other conventional spring type lubricator.
4. User friendly.
5. Contains a variety of dispensing rates to suit all applications.

### Applications

The Pulsarlube S can be used on any type of equipment that contains...

- Ball, Roller Bearings
- Shield Bearings
- Open Bearings

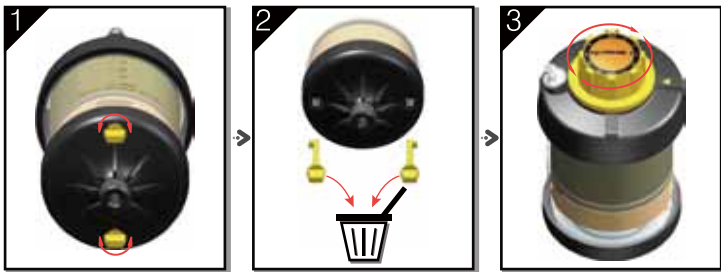
**NOTE :** Please make sure that there is a clear passage into the bearing by cleaning out hardened grease.

## Specifications

- Grease capacity : 100cc (90grams)
- Operating ambient temperatures : -10°F ~ 250°F  
(-23°C ~ 121°C)
- Weight (Filled grease: 350g / Empty grease : 260g)
- Product size : Φ67 x 129(H) mm
- Outlet thread size : 1/4" NPT

## Installation Instructions

If the Pulsarlube S is already filled, make sure that the valve position indicator is set to the #5 dispensing rate. Release the piston locking device with your index finger and check to see if the lubricator is dispensing. Set the lubricator to a proper dispensing rate by once again using the valve position indicator located at the top of the dispenser.



If the Pulsarlube S needs to be filled, set the valve position indicator to the "OFF" position. Fill the lubricator via the grease nipple by using a grease gun.

## Special Note

Avoid overfilling. Overfilling may damage the lubricator. DO NOT refill with high pressure, high volume air/electrically operated grease gun, this may damage the Pulsarlube S unit and the warranty will be null and void.

Lubricant is injected via the grease nipple located at the top of the lubricator, which will cause the internal piston to compress downward.

Avoid overfilling because it may damage your lubricator. To prevent this from happening, fill the dispenser until the piston ring reaches the level indicator located at the bottom of the lubricator's reservoir. The level indicator reads as follows; "Do not fill below this line".

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## Valve Position Selection Guide

To assist you in selecting a dispensing rate, it is helpful to know the bearing's outer shaft diameter, rpm's, and bearing type (Shielded or Open).

Bearing Shaft Dia.	Up to 50mm(Up to 2 inches)			
Operating Condition	Intermittent		Continuous	
Bearing Type	Shielded	Open	Shielded	Open
Regardless RPM	1	2	3	4
Bearing Shaft Dia.	Over 50mm(Over 2 inches)			
Operating Condition	Intermittent		Continuous	
Bearing Type	Shielded	Open	Shielded	Open
Under 1000 RPM'S	2	2	3	3
1000~3000 RPM'S	3	3	4	4
Over 3000 RPM'S	4	4	5	5

NOTE: The Pulsarlube S is not a time selectable unit(The lubricator dispenses lubricant as needed to the lube point)

Example on how to select indicator setting:

### Application

- Shaft diameter is over 50mm
- RPM's 2,000 (Continuous)
- Sealed bearing containing NLGI# 1 or 2 grease
- Ambient temp 15°C~30°C (59°F - 86°F)

Recommendation for above application: Valve position indicator setting: Set to Position # 4.

## How to Order

KLT1500 / Empty (S Model without grease)  
 KLT1500 / PL1 (S Model filled PL1 grease)

\_\_\_\_\_ Grease Type  
 \_\_\_\_\_ Lubricator Model  
 (Pulsarlube S Model)