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The Innovative Leader of Automatic Lubricators



PULSAR LUBE

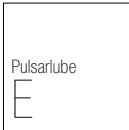
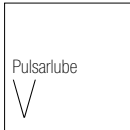









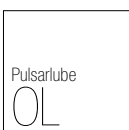

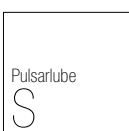
Master Catalog





The Best Lubrication Solutions

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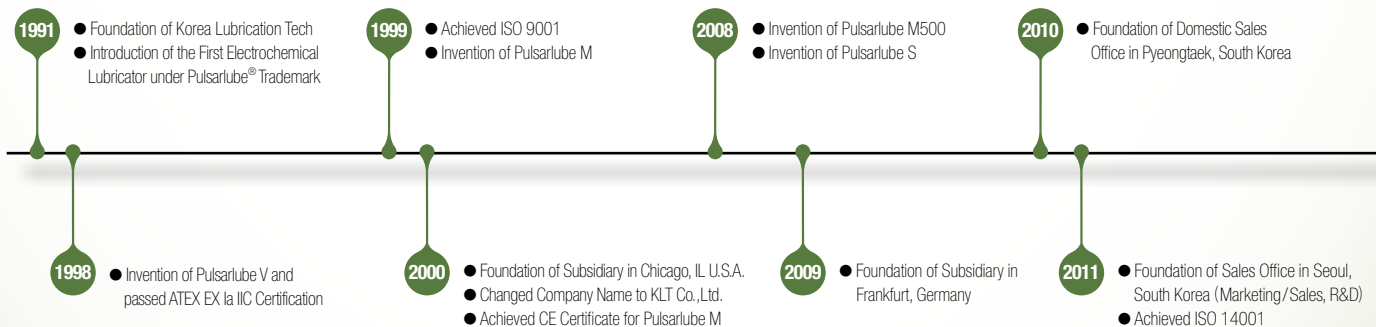
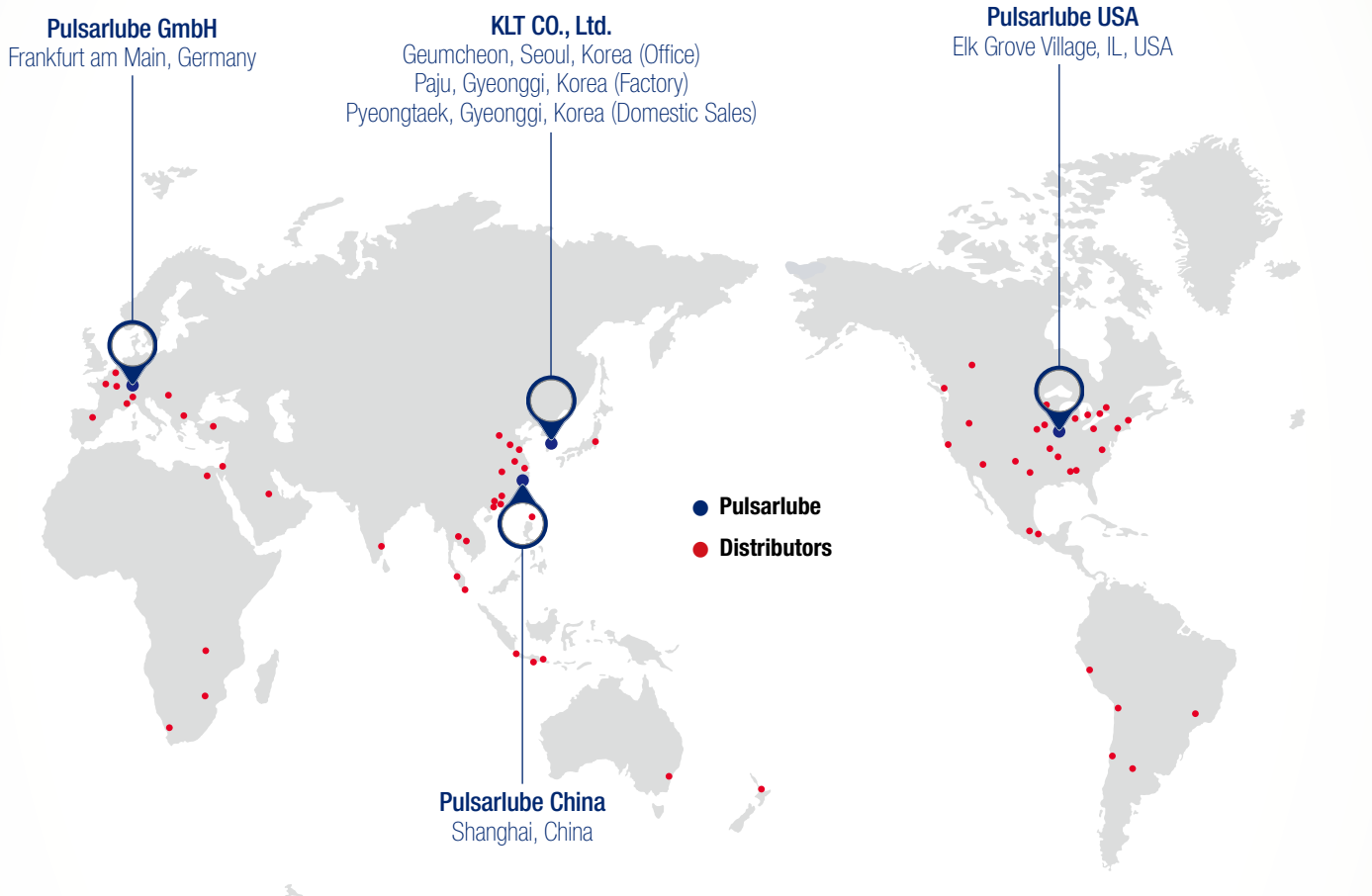
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Company Introduction

Utilizing patented cutting edge microprocessor technology, **PULSARLUBE®** provides the most innovative and reliable Automatic Single Point Lubricator on the market. Backed by years of research and development PULSARLUBE offers a wide range of superior products to meet the needs of our customers.

PULSARLUBE provides high quality products and services worldwide through its well-established distribution network.





provides its customers with the highest quality assurance as well as continuous innovation to its cutting edge technology for the best lubrication solutions.



2012

- Invention of Pulsarlube E & passed IECEX/ATEX/UL Certification

2014

- Invention of Pulsarlube Mi

2016

- Launch of Customized Lubricant Business

2018

- Invention of electromechanical Pulsarlube EXPL
- Invention of Pulsarlube BT

2013

- Foundation of Sales Office in Shanghai, China

2015

- Invention of Pulsarlube PLC

2017

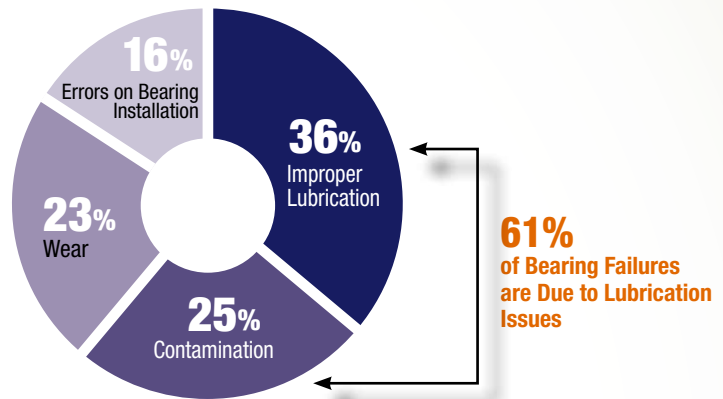
- Invention of Pulsarlube EXP

2019

- Invention of Pulsarlube AIR

Is Your Equipment Well Maintained?

Many organizations are aware that excellent lubrication is a crucial step and a good investment to optimize machinery life. However in reality, the lubrication budget is often treated as secondary and is frequently one of the first areas for budget cuts. It can be difficult to find the right way, the right time, and the right amount to lubricate while determining what the “best lubrication solution” is for your machinery because optimum lubrication practices require skill, time, manpower, and money. PULSARLUBE offers a variety of lubrication products to solve all of your lubrication needs.



We Provide The Best Lubrication Solutions For Your Machinery

Accurate automatic lubrication can extend bearing life which will reduce replacement/repair cost and avoid unnecessary downtimes.

Disadvantages of Manual Lubrication

Excessive Lubrication

Hazardous Working Sites

Insufficient Lubrication

High Labor Cost

Advantages of Automatic Lubrication

Proper Lubrication

Safe Working Sites

Precise Lubrication

Long-term Cost Benefits

Pulsarlube is the most effective solution to lubricate your equipment.

Pulsarlube Automatic Lubricators: A Variety of Lubrication Solutions for Most Applications and Environments

Pulsarlube lubricators demonstrate definitive advantages over the competition.



High Operating Pressure

High operating pressures enables customers to have a variety of installation methods and options.

10m

Up to 10m (33ft) for
single point remote installations.

8 points

Up to 8 lube points for
multi-point lubrication.



Wide Temperature Range

Our technology offers benefits in a wide range of ambient temperatures.

N₂

Inert nitrogen gas is less affected by
changes in ambient temperature.

Lithium Battery

Optional lithium battery offers excellent
performance in low temperatures.

Pulsarlube offers a variety of solutions that can significantly increase your bottom line.

Pulsarlube Product Line

Total Lubrication Solutions

Pulsarlube **E**

Features

Intrinsically Safe, Compact,
Economical, Submersible

Replacement Method

Disposable

Operating Pressure

Max. 5bar (73psi)

Grease Pouch Capacity

60/120/240ml



Electrochemical

Pulsarlube **V**

Features

Intrinsically Safe, LCD Display, Advanced
Microprocessor, Controlled Gas Generation

Replacement Method

Disposable

Operating Pressure

Max. 5bar (73psi)

Grease Pouch Capacity

125/250ml



Pulsarlube **M**

Features

High Operating Pressure, Multi-Point Lubrication
Capabilities, and Low Temp Capabilities

Replacement Method

Service Pack Replacement

Operating Pressure

30~60bar (435~870psi)

Grease Pouch Capacity

60/125/250/500ml



Electromechanical

Pulsarlube **EXP/EXPL**

Features

Competitive Global Certifications for Use in
Hazardous Locations, Multi-Point Lubrication
Capabilities

Replacement Method

Service Pack Replacement

Operating Pressure

30~60bar (435~870psi)

Grease Pouch Capacity

60/120/240/480ml



Pulsarlube **MS & MSP**

Features

Efficient Lubrication by Synchronizing
Operation to Machine's Electrical Power

Replacement Method

Service Pack Replacement

Operating Pressure

30~60bar (435~870psi)

Grease Pouch Capacity

60/125/250/500ml



Electromechanical - Synchronizing

Pulsarlube **Mi**

Features

Efficient Lubrication by Synchronizing Operation to
Machine's Vibration. No Electrical Wiring Needed.

Replacement Method

Service Pack Replacement

Operating Pressure

30~60bar (435~870psi)

Grease Pouch Capacity

60/125/250ml



Pulsarlube **BT**

Features

Bluetooth-enabled
Automatic Electromechanical Lubricator

Replacement Method

Service Pack Replacement

Operating Pressure

30~60bar (435~870psi)

Grease Pouch Capacity

60/120/240ml



Electromechanical - Remote Management

Pulsarlube **PLC**

Features

Manage Dispensing Rates through PLC, Signal Out to External Alarm for Warning / Error Messages

Replacement Method

Service Pack Replacement

Operating Pressure

30~60bar (435~870psi)

Grease Pouch Capacity

60/120/240/480ml



Pulsarlube **OL500**

Features

Refillable, Compatible with a Wide Range of Oil Viscosity, Multi-Point Capability

Replacement Method

Oil Refillable

Operating Pressure

Max. 10bar (145psi)

Oil Reservoir Capacity

500ml



Oilier

Pulsarlube **EO**

Features

Compact, Economical

Replacement Method

Disposable

Operating Pressure

Max. 5bar (73psi)

Oil Reservoir Capacity

60/120/240ml



Pulsarlube **S**

Features

Refillable, Unique Design Reduces Effects of Oil Separation

Replacement Method

Refillable

Grease Pouch Capacity

100ml



Spring



Automotive

Chains
Lifts
Electric Motors
Conveyors
Loaders
HVAC Systems



Steel

Loaders
Conveyors
Electric Motors
Blowers
Fans
Pumps



Cement

Conveyors
Electric Motors
Blowers
Fans
Pumps



Mining

Mobile Equipment
Conveyors
Electric Motors
Pumps
Crushers



Pulp & Paper

Conveyors
Electric Motors
Blowers
Pumps
Paper Machines





Petrochemical

Electric Motors
Blowers
Pumps
Air Compressors



Power Plant

Water Pumps
Electric Motors
Conveyors
Boilers
Air Handling Units
Heaters



Food & Beverage

Conveyors
Electric Motors
Blowers
Pumps
Cooling Towers
Air Handling Units



Semiconductor

Air Handling Units
Clean Rooms
Cooling Towers
SMD PCB Lines
LCD Panels
Loader Robots
Wet Scrubbers



Marine

Mooring Winch
Doors
Cranes
Pumps
Electric Motors



The Pulsarlube E has the **highest IP Rating** which makes it the perfect choice for your underwater application.



Pulsarlube E

Compact & Economical

The Pulsarlube E features compact size which can easily be installed in confined areas with limited accessibility. This eco-friendly product is recyclable.

Features & Benefits



Compact design is convenient for use in very confined spaces & Specially designed to endure high vibration



Eco-friendly product where applicable parts can be disposed of separately



CE, ATEX, UL certified for intrinsically safe use in hazardous locations



High IP rating protects against ingress of dust and water and allows underwater installation



Specifications

Grease Pouch Capacity

60ml/120ml/240ml (disposable)

Operating Method

Electrochemical reaction (Nitrogen gas)

Operating Pressure

Max. 5bar (73psi)

Operating Temperature

-20°C~55°C (-4°F~131°F)

Dispensing Periods

1, 3, 6, 9, 12 month

Remote Installation

Max. 1m (3.3ft) with O.D. Ø8 tube

Multi-Point Installation

N/A

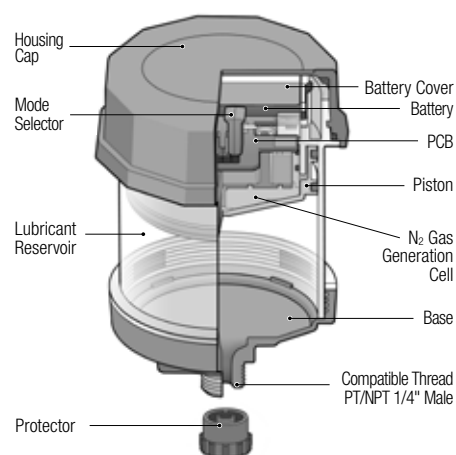
IP Code

IP68

Product Certifications

ATEX, UL, IECEx, KCs, CE, MSHA

Cross Section



Product Dimension

E60 : Ø77(3.03") x 91mm(3.58") (H)

E120 : Ø77(3.03") x 111mm(4.37") (H)

E240 : Ø77(3.03") x 156mm(6.14") (H)

Applications



CEMENT



PULP & PAPER



MINING



CONVEYORS



WASTE DISPOSAL



MARINE

The Pulsarlube V is **intrinsically safe** and can be used in **hazardous locations** containing flammable liquids, vapors, gasses, and dust.



IP68

IECEX



Pulsarlube V

Advanced Performance & Smart Operation

The Pulsarlube V is an easy-to-program gas type lubricator which offers a large user-friendly LCD display.

Features & Benefits



Variable dispensing settings with a large informative LCD display & Easy to reprogram at any time with a press of a button



8-bit microprocessor controlled to ensure the most accurate dispensing rate



CE, ATEX, UL certified for intrinsically safe use in hazardous locations



High IP rating protects against ingress of dust and water and allows underwater installation



Specifications

Grease Pouch Capacity

125ml/250ml (disposable)

Operating Method

Electrochemical reaction
(Nitrogen gas)

Operating Pressure

Max. 5bar (73psi)

Operating Temperature

-20°C~55°C (-4°F~131°F)

Dispensing Periods

1, 2, 3, 6, 12 month & Purge (P)

Remote Installation

Max. 1m (3.3ft) with O.D. Ø8 tube

Multi-Point Installation

N/A

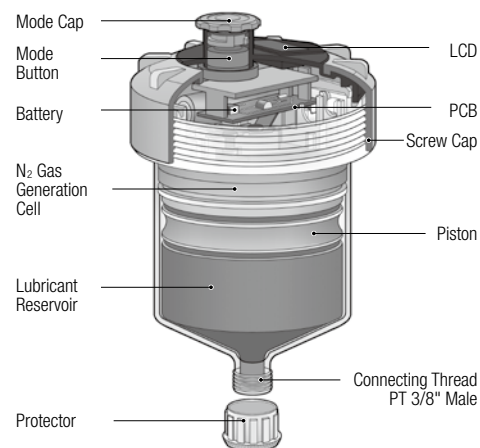
IP Code

IP68

Product Certifications

ATEX, UL, IECEx, KCs, CE, MSHA

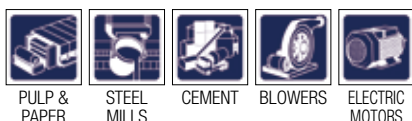
Cross Section



Product Dimension

V125 : Ø97(3.81") x 128mm(5.04") (H)
V250 : Ø97(3.81") x 166mm(6.53") (H)

Applications



Pulsarlube M

Unrivaled Power & Long-Term Reliability

The Pulsarlube M consists of a vertical feed pump and a microprocessor chip allowing an average operating pressure of 30bar (435psi). It is designed to ensure reliable lubrication and is a lubrication cost savings solution.



Specifications

Grease Pouch Capacity

60ml (pre-set)
125ml/250ml
(capacity setting available)
500ml (pre-set)

Power Supply

DC 4.5V Battery Pack

Operating Pressure

30~60bar (435~870psi)

Operating Temperature

Standard Alkaline Battery :
-15°C~60°C (5°F~140°F)
Optional Lithium Battery :
-40°C~60°C (-40°F~140°F)

Dispensing Periods

60ml : 1~12 month
125ml/250ml : 1, 2, 3, 6, 12 month & H (15 days)
500ml : 1, 2, 4, 6, 12, 18, 24 month & H (15 days)

Remote Installation

Max. 10m (33ft) with O.D. Ø6 tube

Multi-Point Installation

Max. 6m (20ft) with O.D. Ø6 tube
(Up to 8 lube points)

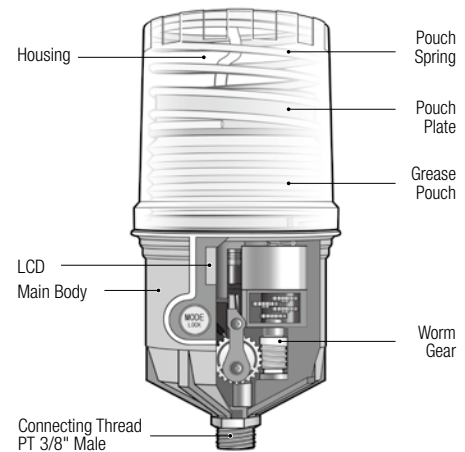
IP Code

IP54

Product Certifications

CE

Cross Section



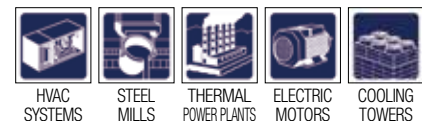
Product Dimension

M60, M125 : Ø91(3.60") x 181mm (7.13") (H)
M250 : Ø91(3.60") x 210mm (8.27") (H)
M500 : Ø92(3.62") x 260mm (10.23") (H)

Features & Benefits

| | |
|--------------|---|
| 30bar | High output pressure enables multi-point lubrication up to 8 points or over 30ft single point lubrication |
| -40°C | Covers low temp applications with use of lithium battery pack |
| LCD | Easy to program with built-in LCD and simple button controls |
| Service Pack | Substantial savings with the use of replaceable grease pouches and battery packs |

Applications



Service Packs

Substantial Cost Savings

Pulsarlube electromechanical lubricators are reusable and bring cost saving benefits to customers with the use of a replacement kit, the Service Pack.

A Service Pack consists of

A grease pouch of selectable lubricant type in various volumes

An OEM battery pack :

DC 4.5V Alkaline battery pack (standard) or DC 4.5V Lithium battery pack

* Note : A battery pack is not included in MSP and PLC service packs.

A disposable dust cover :





PVC dust cover (standard) or U/V protection dust cover

* Note : A dust cover is not included in PLC service packs.

Warning

The grease pouch and battery pack must always be replaced together at the end of each lubrication cycle to ensure reliable operation.

Service Pack Sizes (Grease Pouch Capacity)

| 60ml | 120/125ml |
|---|--|
|  |  |
| 240/250ml | 480/500ml |
|  |  |

Battery Pack Selection Guide

| Applications | Alkaline Battery Pack (Standard) | Lithium Battery Pack (Optional) |
|-------------------------|---|-----------------------------------|
| Direct Mount | OK | OK |
| Operating Temp Range | -15°C~60°C (5°F~140°F) | -40°C~60°C (-40°F~140°F) |
| Programming | Up to 12 months | Up to 24 months |
| Remote Installation | Up to 3m (10ft) on a single line | Up to 6m (20ft) per line |
| Multi-Point Lubrication | Up to 8 points with max. 250ml capacity | Up to 8 points for all capacities |
| 500ml Grease Pouch | Direct mount or short single point remote installation only | All types of installations |

Globally certified electromechanical lubricator for reliable lubrication in areas containing flammable medium.



II 3 G Ex ic IIC T5/T4 Gc
DEKRA17ATEX0012X



Ex ic IIC T5/T4
17-KA2B0-0115X

IECEx

Ex ic IIC T5/T4 Gc
IECEx KTL 17.0001X



Ex ic IIC T5/T4 Gc
NEPSI GYJ17.1038X



單點式自動注油機 (PulsarLube EXP)
EXP60
Ex ic IIC T5/T4 Gc
許用電壓: 4.5 Vdc
TD040272
KLT Co., Ltd

CE IP65



II 3 G Ex ic IIB T4 Gc
DEKRA17ATEX0012X



Ex ic IIB T4
18-KA2B0-0463X

IECEx

Ex ic IIB T4 Gc
IECEx KTL17.0001X



Ex ic IIB T4 Gc
NEPSI GYJ17.1038X



Class I, Division 2, Groups A, B, C, & D, T4
Class II, Division 2, Groups F, G, T4
-18°C ≤ Tamb ≤ 54°C (Alkaline batteries)
-30°C ≤ Tamb ≤ 50°C (Lithium batteries)
Conforms to UL Std. 121201
Intertek
5011230
Cert. to CSA Std. C22.2 No. 213

CE IP65



Pulsarlube EXP/EXPL

Globally Certified for Use in Hazardous Areas

The Pulsarlube EXP/EXPL is specifically designed and certified for protection against explosive gases or dust existing in hazardous locations.

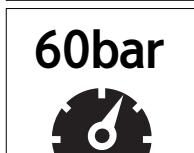
Features & Benefits



Easy to check LCD display with backlight function



Reliable lubricator certified for safe use in hazardous areas



High operating pressure allows superior performance in its class



Substantial savings with the use of replaceable grease pouches and battery packs



* For replacement kit information, please refer to Service Pack on Page 15.

Specifications

Grease Pouch Capacity

60ml/120ml/240ml/480ml (pre-set)

Power Supply

DC 4.5V Battery Pack (replaceable)
Standard : Alkaline Battery
Optional : Lithium Battery

Operating Pressure

30~60bar (435~870psi)

Operating Temperature

EXP : 0°C~50°C
EXPL : -15°C~50°C

Dispensing Periods

60ml : 1~12 month
120ml~480ml :
1, 2, 3, 6, 9, 12 month

Remote Installation

Lithium Battery :
Max. 6m (20ft) with O.D. Ø6 tube

Multi-Point Installation

Lithium Battery : Max. 3m (10ft)
with O.D. Ø6 tube (Up to 8 lube points)

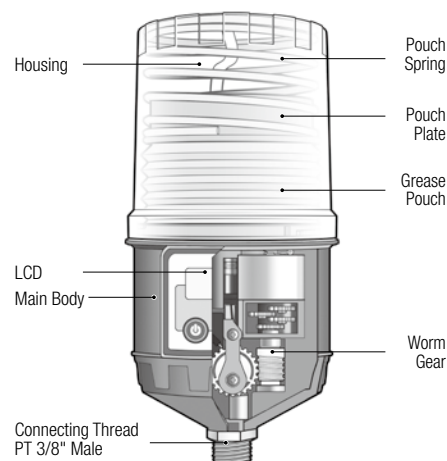
IP Code

IP65

Product Certifications

EXP : ATEX, IECEx, KCs, CE, NEPSI, TS
EXPL : ATEX, ETL, IECEx, KCs, CE, NEPSI

Cross Section



Product Dimension

EXP/EXPL60, EXP/EXPL120 : Ø91(3.60") x 181mm(7.13") (H)
EXP/EXPL240 : Ø91(3.60") x 208mm(8.19") (H)
EXP/EXPL480 : Ø92(3.62") x 260mm(10.23") (H)

Applications



PETROCHEMICAL
PLANTS

NUCLEAR
POWER PLANTS

OIL & GAS

THERMAL
POWER PLANTS

ELECTRIC
MOTORS

Pulsarlube MS & MSP

Synchronize to Electrical Power

The Pulsarlube MS & MSP units offer the advantage of providing automatic lubrication to machinery that is infrequently or intermittently used by synchronizing itself to the equipment's electrical power, thereby avoiding the problem of over lubrication.

Specifications

Grease Pouch Capacity

60ml (pre-set)
125ml/250ml
(capacity setting available)
500ml (pre-set)

Power Supply

MS : DC 4.5V Battery Pack
MSP : External Power Supply
(DC or AC)

Operating Pressure

30~60bar (435~870psi)

Operating Temperature

Standard Alkaline Battery :
-15°C~60°C (5°F~140°F)
Optional Lithium Battery :
-40°C~60°C (-40°F~140°F)

Dispensing Periods

60ml : 1~12 month
125ml/250ml : 1, 2, 3, 6, 12 month & H (15 days)
500ml : 1, 2, 4, 6, 12, 18, 24 month & H (15 days)

Remote Installation

Max. 10m (33ft) with O.D. Ø6 tube

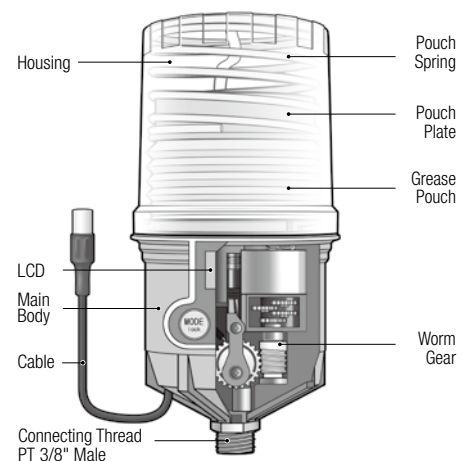
Multi-Point Installation

Max. 6m (20ft) with O.D. Ø6 tube (Up to 8 lube points)



* For replacement kit information, please refer to Service Pack on Page 15.

Cross Section



Product Dimension

MS60, MS125 (MSP60, MSP125) : Ø91(3.60") x 181mm (7.13") (H)
MS250 (MSP250) : Ø91(3.60") x 210mm (8.27") (H)
MS500 (MSP500) : Ø92(3.62") x 260mm (10.23") (H)

Applications



Features & Benefits

| | |
|---------------------|--|
| Synchronized | Dispenses a preset amount of lubricant only when the equipment is in operation to prevent over lubrication |
| 30bar | Robust operating pressure allows multi point lubrication up to 8 points, 20ft remote install per point |
| LCD | Easy to read LCD displays critical information |
| Service Pack | Substantial savings with the use of replaceable grease pouches and battery packs |

MS & MSP Product Selection

The MS and MSP units both synchronize to machinery but are engineered differently in order to meet customer's specifications for their equipment. The MS unit turns On or Off through a relay box in accordance with the related equipment's power signal. The MSP unit connects to a power supply (VAC or VDC) that is connected to an electrical control panel.



Pulsarlube MS

Uses a battery pack as its power source.

MS+Relay Box+Service Pack

- * Battery pack has to be replaced along with grease pouch.
- * The Pulsarlube MS is not an externally powered unit.



Pulsarlube MSP

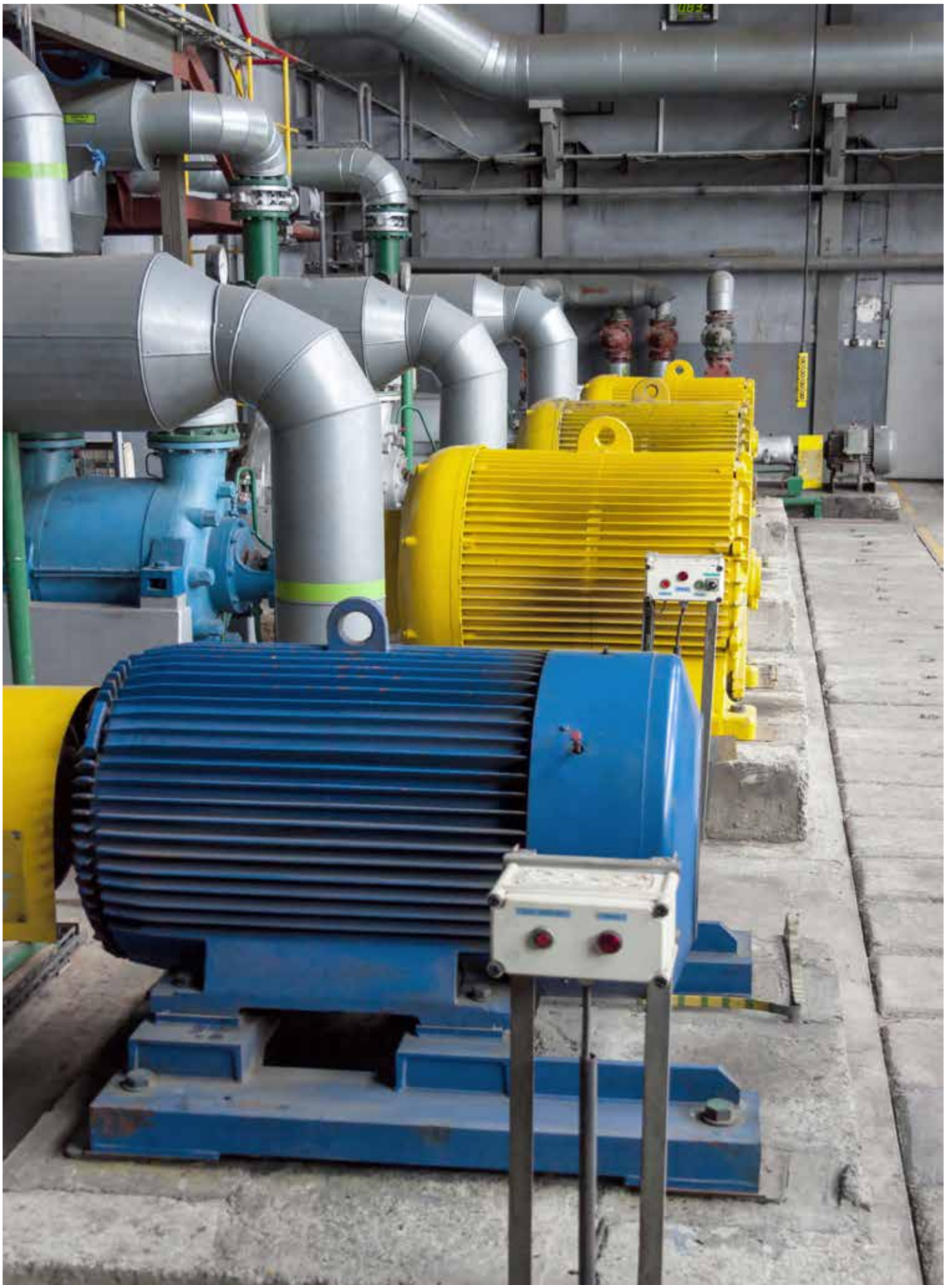
Uses external power as its power source.

MSP+Power Supply (VAC or VDC)+Service Pack

- * An initial battery pack is included in the MSP as a backup power source to store data when power is shut off. The battery pack in the MSP does not need to be replaced for up to 5 years.
- * The Pulsarlube MSP is also available for oil (MSP-OL500).

MS Relay / MSP Power Supply Specification

| | MS | MSP | |
|---------------------------|---|----------|--------|
| | Relay | VAC | VDC |
| Voltage Rate Input Range | AC100~480V, 0.5W/50~60Hz | 100~220V | 12~24V |
| Voltage Rate Output Range | Signal (Open collector type) | 5.0V, 2A | |
| Power ON Indicator | Red LED on Relay Box or Power Supply | | |
| Relay Box Dimensions | 85mm (D) × 49mm (W) × 32mm (H) | | |
| Wire Length | From Lubricator : 90mm Input from Relay Box/Power Supply to lubricator : 1m (3.3ft) Output from Relay Box/Power Supply to equipment : 4m (13ft) | | |



Pulsarlube Mi

Synchronize Operation to Vibration

The Pulsarlube Mi operates only when machine operates by detecting vibration on the installed application.



* For replacement kit information, please refer to Service Pack on Page 15.

Features & Benefits

| | |
|-----------------------------|--|
| Vibration Sensor | Vibration sensor allows the unit to lubricate only when the application is operating |
| Easy Installation | No need for external electric wiring or other power cables |
| Service Pack | Substantial savings with the use of replaceable grease pouches and battery packs |
| Simple & Precise | Simple to operate & dispenses precise amounts of lubricant reliably |

Specifications

Grease Pouch Capacity

60ml/125ml/250ml
(capacity setting available)

Power Supply

DC 4.5V Battery Pack

Operating Pressure

30~60bar (435~870psi)

Operating Temperature

Standard Alkaline Battery :
-15°C~60°C (5°F~140°F)
Optional Lithium Battery :
-40°C~60°C (-40°F~140°F)

Dispensing Periods

1~12 month

Remote Installation

Max. 1m (3.3ft) with O.D. Ø6 tube

Multi-Point Installation

Max. 1m (3.3ft) with O.D. Ø6 tube
(Up to 2 lube points)

Product Certifications

CE

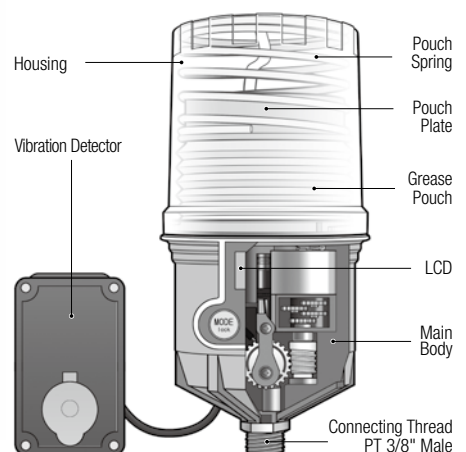
Vibration Detector

- Piezoelectric Cantilever-type Film Sensor
- Adjustable Sensitivity Range

Wire Length

- To Lubricator : 150mm (0.5ft)
- Sensor Cable : 1.2m (4ft)

Cross Section



Product Dimension

Mi 60, Mi 125: Ø91(3.60") x 181mm (7.13") (H)
Mi 250 : Ø91(3.60") x 208mm (8.19") (H)

Applications



Industry's first and only **Bluetooth-enabled** electromechanical lubricator controlled conveniently using the Pulsarlube mobile APP.



022-190186



KLT Co., Ltd.
Model (Model):
BT60 CMIIT ID: 2019DJ0846
BT120 CMIIT ID: 2019DJ0847
BT240 CMIIT ID: 2019DJ1090

IP65

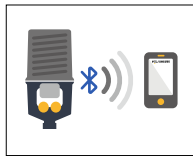


Pulsarlube BT

Enhanced Convenience

The Pulsarlube BT is the world's first and only Bluetooth-enabled electromechanical lubricator. Advanced connectivity adds great value to convenience & safety for the lubrication management & control program.

Features & Benefits



Real-time pairing between mobile device and lubricator



Easily share information between mobile device and database server



Remotely monitor lubricator status in hazardous and inaccessible work areas via mobile App



Substantial savings with the use of replaceable grease pouches and battery packs



* For replacement kit information, please refer to Service Pack on Page 15.

Specifications

Grease Pouch Capacity

60ml/120ml/240ml (pre-set)

Power Supply

DC 4.5V Battery Pack (replaceable)

Standard : Alkaline Battery

Optional : Lithium Battery

Operating Pressure

30~60bar (435~870psi)

Operating Temperature

Standard Alkaline Battery :

-15°C~60°C (5°F~140°F)

Optional Lithium Battery :

-40°C~60°C (-40°F~140°F)

Dispensing Periods

1~12 month

Remote Installation

Max. 6m (20ft) with O.D. Ø6 tube

Multi-Point Installation

Max. 3m (10ft) with O.D. Ø6 tube
(Up to 8 lube points)

Detection Range

5~20m (16.4ft~65.6ft)
depending on installation environment

Bluetooth Specification

Bluetooth 4.1 (class 2)

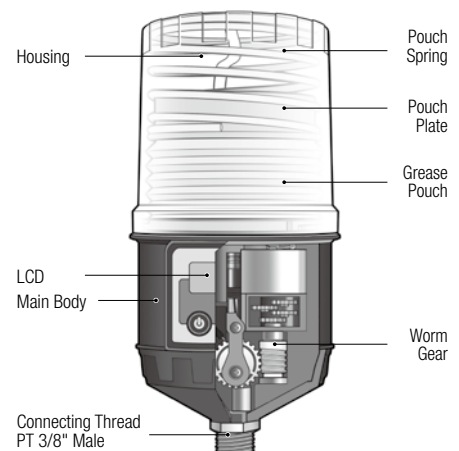
IP Code

IP65

Product Certifications

CE, KC, FCC, SIG, NCC, RCM, SRRC, NBTC, ICASA, J-MIC

Cross Section



Product Dimension

BT60, BT120 : Ø91(3.60") x 181mm (7.13") (H)

BT240 : Ø91(3.60") x 208mm (8.19") (H)

Applications



PETROCHEMICAL
PLANTS



CLEAN
ROOMS



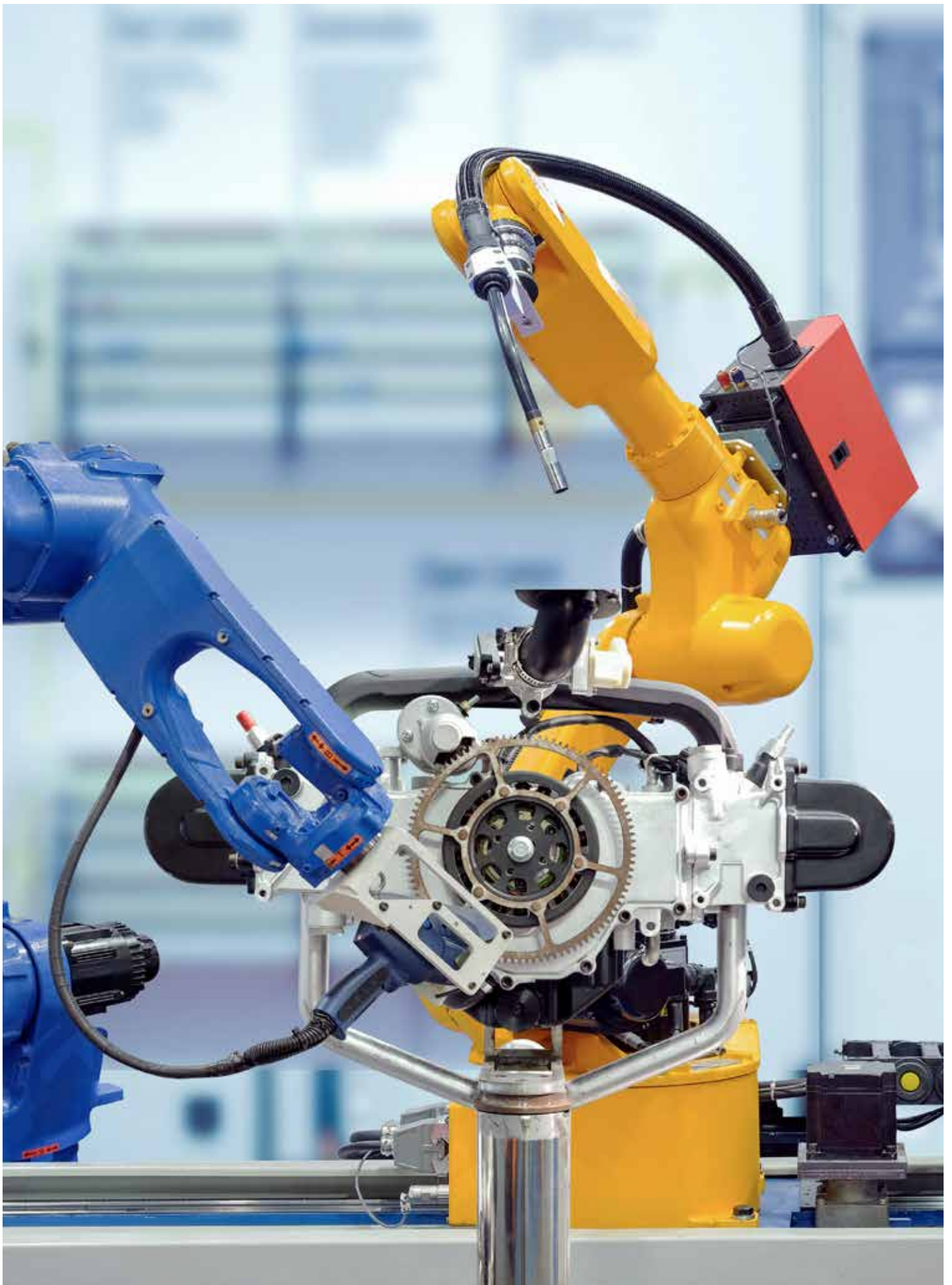
HVAC
SYSTEMS



ELECTRIC
MOTORS



COOLING
TOWERS



Pulsarlube PLC

PLC Controlled & High Performance

The Pulsarlube PLC is specially designed to be fully integrated with a PLC system and offered in two types; MONTH and INTERVAL type.



* For replacement kit information, please refer to Service Pack on Page 15.

Features & Benefits

| | |
|---------------------|--|
| PLC Control | Programmed to operate upon receiving a signal from the PLC |
| Convenience | Sends a signal to external alarm when encountering excessive backpressure or when dispensing cycle is completed |
| Connectivity | Both NPN and PNP connections are available |
| Flexibility | MON type dispenses at preset intervals and rates depending on the monthly setting selected INT type dispenses on command when a signal is received from the PLC, at the rate selected by the user |

Specifications

Grease Pouch Capacity
60ml/120ml/240ml/480ml (pre-set)

Power Supply
Power Supply : Externally Powered (DC 9V ~ 36V)

Operating Pressure
30~60bar (435~870psi)

Operating Temperature
-20°C~60°C (-4°F~140°F)

Dispensing Periods
MONTH type : 1~12 month
INTERVAL type : 1, 2, 3...6 Mode

Remote Installation
Max. 10m (33ft) with O.D. Ø6 tube

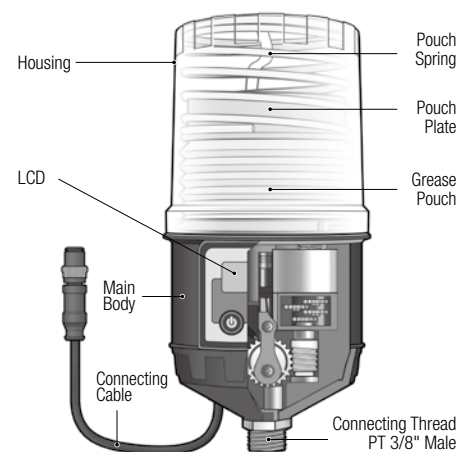
Multi-Point Installation
Max. 6m (20ft) with O.D. Ø6 tube (Up to 8 lube points)

Product Certifications
CE, KC

1 Per Stroke (@20°C)
MONTH type : 0.34ml / Stroke (@20°C)
INTERVAL type : 0.34ml x Mode selected (@20°C)

Wire Length
• To Lubricator : 150mm (0.5ft)
• Extra connecting wires available for Purchase

Cross Section



Product Dimension
PLC60, PLC125: Ø91(3.60") x 181mm (7.13") (H)
PLC240: Ø91(3.60") x 208mm (8.19") (H)
PLC480: Ø92(3.62") x 260mm (10.23") (H)

Applications



Pulsarlube OL500

Compatible with a Wide Range of Oil Viscosity

The Pulsarlube OL500 is specifically designed to deliver a fresh, consistent, and precise amount of oil to all of the vital parts of your rotating equipment.



Specifications

Oil Reservoir Capacity

500ml (refillable)

Power Supply

DC 4.5V Battery Pack

Operating Pressure

10bar (145psi)
(depends on oil viscosity)

Operating Temperature

Standard Alkaline Battery :
-15°C~60°C (5°F~140°F)

Dispensing Periods

1, 2, 4, 6, 12, 18, 24 month & H (15 days)

Remote Installation

Max. 6m (20ft) with O.D. Ø4 tube

Multi-Point Installation

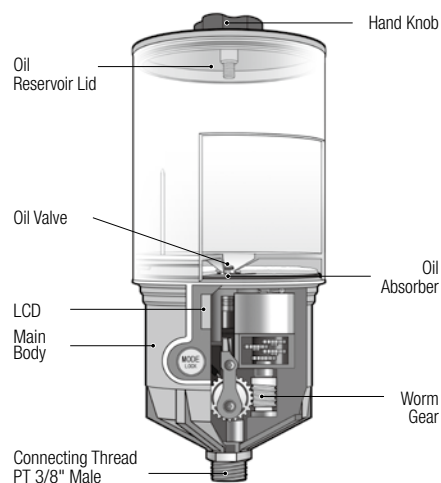
Max. 3m (10ft) with O.D. Ø4 tube
(Up to 4 lube points)

Oil Viscosity Range

10~10,000 cSt @ 40°C

* Special instructions available on
user manual for low viscosity oils
(10~100cSt@40C)

Cross Section



Product Dimension

OL500 : Ø94 (3.70") x 229 mm (9.02") (H)

Features & Benefits

| | |
|----------------|---|
| Cost Savings | Refillable oil reservoir and multi-point lubrication capability |
| Adaptability | Able to handle a wide range of oil viscosity |
| LCD | Easy to program with built-in LCD and simple button controls |
| Easy to Refill | Refillable on-site |

Applications



ESCALATORS

CHAINS

Pulsarlube E0

Highly Cost Effective Gas Type Oiler

The Pulsarlube E0 is a low-cost oil lubrication solution which utilizes a non-return valve (NRV) to allow reliable lubrication while minimizing oil leaks.



Features & Benefits

| | |
|-----------------------|---|
| NRV | Specially designed non-return valve (NRV) allows the unit to be installed in any position minimizing oil leak |
| Compact Design | Compact size is convenient for use in confined spaces |
| Durability | Engineered to withstand high vibration |
| Eco-Friendly | The components of Pulsarlube E0 can be disposed of and recycled separately conforming to local regulations |

Specifications

Oil Reservoir Capacity

60ml/120ml/240ml
(disposable)

Operating Method

Electrochemical reaction
(Nitrogen gas)

Operating Pressure

Max. 5bar (73psi)

Operating Temperature

-20°C~55°C (-4°F~131°F)

Dispensing Periods

1, 3, 6, 9, 12 month

Remote Installation

Max. 3m (10ft) with O.D. Ø4 tube

Multi-Point Installation

N/A

Product Certifications

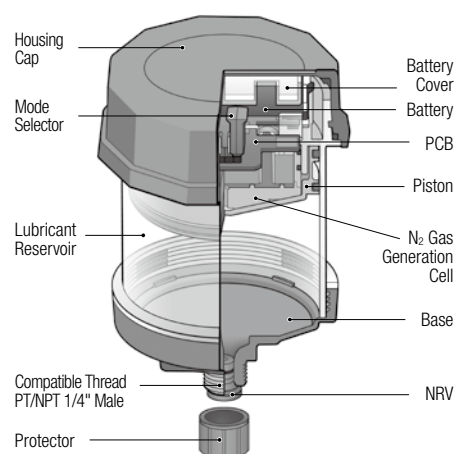
ATEX, UL, IECEx, KCs, CE, MSHA

Oil Viscosity Range

10~10,000 cSt @ 40°C

* Special instructions available on user manual for low viscosity oils (10~100cSt@40C)

Cross Section



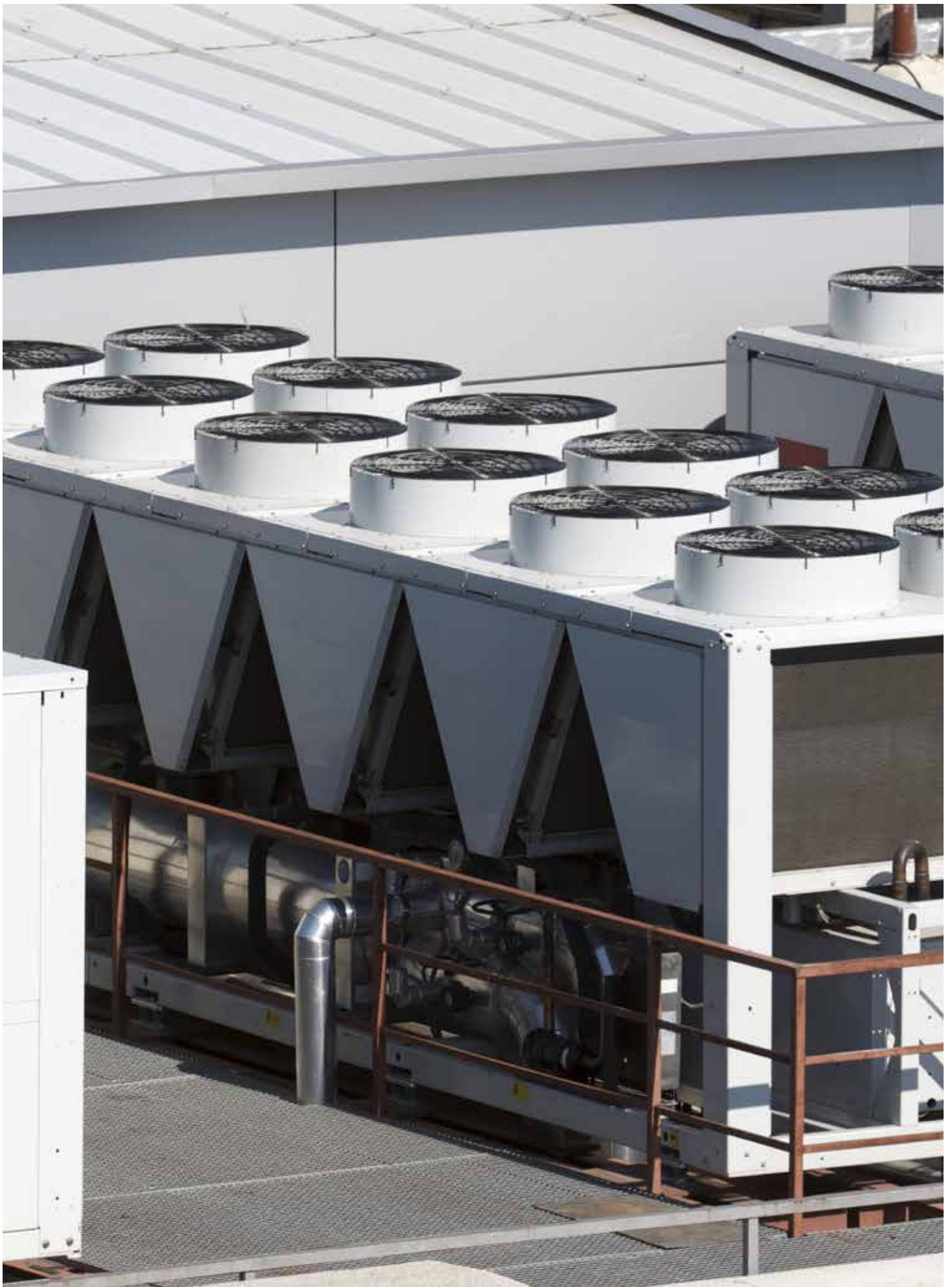
Product Dimension

E060 : Ø77(3.03\") x 91mm (3.58\") (H)
E0120 : Ø77(3.03\") x 111mm (4.37\") (H)
E0240 : Ø77(3.03\") x 156mm (6.14\") (H)

Applications



ESCALATORS WIRE ROPES CHAINS



Pulsarlube S

Unique & Ingenious Design

The Pulsarlube S is an advanced spring type lubricator that operates with the spring at the bottom and an upward piston movement, which dramatically reduces the effects of oil separation that have plagued traditional spring type lubricators.



Specifications

Grease Pouch Capacity

100ml (refillable)

Remote Installation

N/A

Operating Method

Spring

Multi-Point Installation

N/A

Operating Pressure

N/A

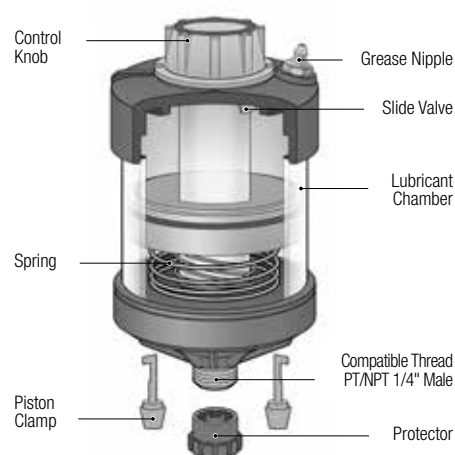
Operating Temperature

-23°C~121°C (-9°F~250°F)

Dispensing Periods

5 Dial Settings

Cross Section



Product Dimension

S100 : Ø67 (2.64") x 129mm (5.08") (H)

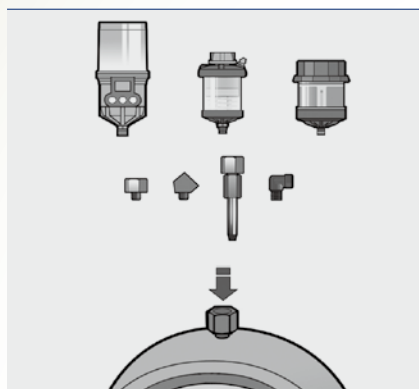
Features & Benefits

| | |
|---------------------|---|
| Design | The upward piston movement reduces oil separation and the possibility of grease hardening |
| Control Knob | Grease dispensing rate can be easily controlled by using the control knob |
| Reuse | Easy to refill grease on-site using grease nipple |
| Pre-Filled | Available pre-filled due to strategically placed piston clamps |

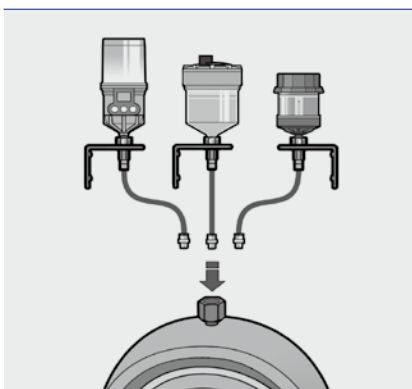
Applications



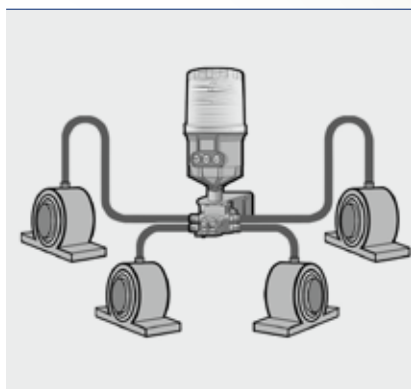
Pulsarlube Installation Options



Direct Mount



Single Point Remote Installation



Multi-Point Installation

Direct Mount

Prior to installing your lubricator, please refer to our full accessories list on the website to order necessary parts for your application.

| Reducer | Socket | 45° Elbow | 90° Elbow | Pipe |
|---|---|---|--|---|
|  |  |  |  |  |

Single Remote & Multi-Point Installation

Frequently used installation parts that are necessary to install Pulsarlube lubricators/oilers are packaged in a single assembly kit for your convenience. The kits are designed to meet all relevant standards. Please refer to the complete assembly kits chart below to order the right kit for your application. If further assistance is needed, please contact your local supplier.

| Installation Kit Type | | Gas Type Lubricator | | Mechanical Lubricator |
|-----------------------|--------------|---------------------|----------|------------------------------------|
| | | E | V | M, EXP, EXPL, MS, MSP, BT, Mi, PLC |
| Single Point Kit | Single Point | 2000RC-1 | 1000RC-1 | 1250RC-1 |
| Multi-Point Kit | 2 Point | – | – | 1250MD-2 |
| | 3 Point | – | – | 1250MD-3 |
| | 4 Point | – | – | 1250MD-4 |
| | 5 Point | – | – | 1250MD-5 |
| | 6 Point | – | – | 1250MD-6 |
| | 7 Point | – | – | 1250MD-7 |
| | 8 Point | – | – | 1250MD-8 |

Pulsarlube Applications

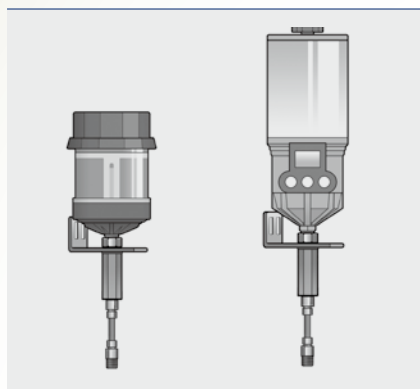


Installation Kits & Accessories for Grease Lubrication

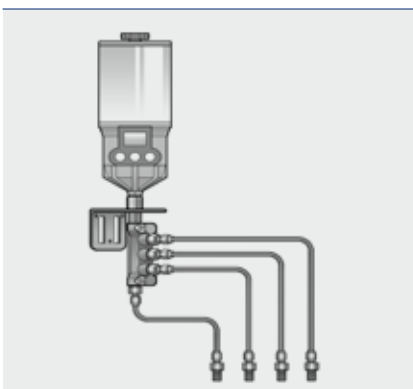


| No. | Part No. | Specifications | Single Point | | | Multi-Point | | | | | | |
|-----|----------|--|--------------|-----------|-----------|-------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | 2000 RC-1 | 1000 RC-1 | 1250 RC-1 | 1250 MD-2 | 1250 MD-3 | 1250 MD-4 | 1250 MD-5 | 1250 MD-6 | 1250 MD-7 | 1250 MD-8 |
| 1 | A002 | Reducer, 3/8"F x 1/8"M Adaptor (Brass) | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 2 | A005 | Reducer, 1/4"F x 1/8"M Adaptor (Brass) | ● | | | | | | | | | |
| 3 | B002 | Mounting Bracket, "L" Shape | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 4 | B051 | Self Drilling Screw, #8 x 20 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 5 | HU-2RS | HU-2RS, Grease Type, 2 Ports | | | | ● | | | | | | |
| | HU-3RS | HU-3RS, Grease Type, 3 Ports | | | | | ● | | | | | |
| | HU-4RS | HU-4RS, Grease Type, 4 Ports | | | | | | ● | | | | |
| | HU-5RS | HU-5RS, Grease Type, 5 Ports | | | | | | | ● | | | |
| | HU-6RS | HU-6RS, Grease Type, 6 Ports | | | | | | | | ● | | |
| | HU-7RS | HU-7RS, Grease Type, 7 Ports | | | | | | | | | ● | |
| | HU-8RS | HU-8RS, Grease Type, 8 Ports | | | | | | | | | | ● |
| 6 | B057 | Washer | ● | ● | ● | | | | | | | |
| 7 | B058 | Tooth Washer | | | | ● | ● | ● | ● | ● | ● | ● |
| 8 | A012 | Socket, 1/8"F x 1/8"F Adaptor (Brass) | ● | ● | ● | | | | | | | |
| 9 | A239 | Tube Fitting, Push-In Type, PC8-PT1/8"M | ● | ● | | | | | | | | |
| 10 | A240 | Tube Fitting, Push-In Type, PC6-PT1/8"M | | | ● | ● | ● | ● | ● | ● | ● | ● |
| 11 | A214-1 | Distribution Tubing, O.D. 1/4"(6mm) Nylon Tubing, 10ft Pre-filled with (Grease Type) | | | ● | ● | ● | ● | ● | ● | ● | ● |
| 12 | A212-1 | Distribution Tubing, O.D. 5/16"(8mm) Urethan Tubing, 3ft Pre-filled with (Grease Type) | ● | ● | | | | | | | | |
| 13 | A243 | Thread Converter, PT1/8"F X NPT1/8"M (Brass) (USA only) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |

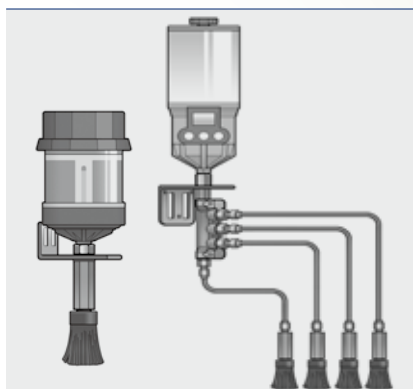
Pulsarlube Oiler Installation Options



Single Point Installation for Oilers



Multi-Point Installation for Oilers



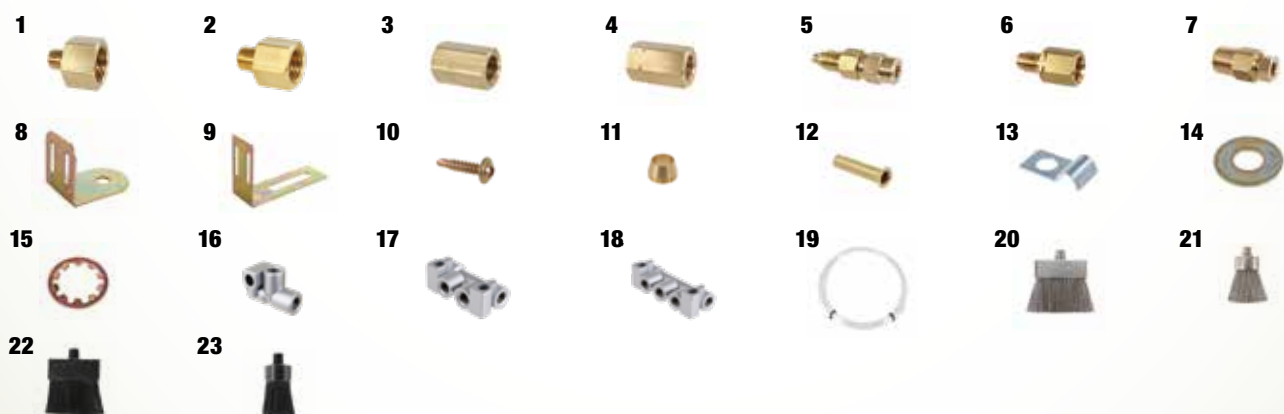
Brush Kits for Oilers

| Installation Kit Type | | Gas Type Oiler | Mechanical Oiler |
|-----------------------|-------------------|----------------|------------------|
| | | E0 | OL500 |
| Single Point Kit | Single Point | C035 | 1250R0-1 |
| Multi-Point Kit | 2 Point | – | 1250R0-2 |
| | 3 Point | – | 1250R0-3 |
| | 4 Point | – | 1250R0-4 |
| Brush Kit | Flat Nylon Brush | C036 | C030 |
| | Round Nylon Brush | C037 | C031 |
| | Flat Steel Brush | C038 | C032 |
| | Round Steel Brush | C039 | C033 |

Application Solutions



Installation Kits & Accessories for Oil Lubrication



Installation Kits & Accessories for Oil Lubrication - Continued

| No. | Part No. | Specifications | Single Point | | Multi-Point | | |
|-----|-----------------|---|--------------|----------|-------------|----------|----------|
| | | | C035 | 1250R0-1 | 1250R0-2 | 1250R0-3 | 1250R0-4 |
| 1 | A002 | Reducer, 3/8"F x 1/8"M Adaptor (Brass) | | ● | ● | ● | ● |
| 2 | A005 | Reducer, 1/4"F x 1/8"M Adaptor (Brass) | ● | | | | |
| 3 | A012 | Socket, 1/8"F x 1/8"F Adaptor | ● | ● | | | |
| 5 | C004-1 | Resistance Valve, #1 Distributor Spray (one-touch type) | | | ● | ● | ● |
| 6 | C006 | Reducer, PT 1/8"F x M8 x 1P | | | ● | ● | ● |
| 7 | C007 | Tube Fitting, Dia. 4mm x PT1/8"M | ● | ● | ● | ● | ● |
| 8 | B002 | Mounting Bracket, "L" Shape | ● | ● | ● | ● | ● |
| 10 | B051 | Self Drilling Screw, #8 x 20 | ● | ● | ● | ● | ● |
| 11 | C009 | Sleeve Ring, Dia. 4mm | ● | ● | ● | ● | ● |
| 12 | C011 | Insert, Dia. 4mm x 2.5mm | ● | ● | ● | ● | ● |
| 13 | C010 | Tube Clamp, Dia. 4mm x 1R | ● | ● | ● | ● | ● |
| 14 | B057 | Washer | ● | ● | ● | ● | ● |
| 16 | C003-1 | Distributor, 3 (1P) M8 x 1P | | | ● | | |
| 17 | C003-2 | Distributor, 4 (2P) M8 x 1P | | | | ● | |
| 18 | C003-3 | Distributor, 5 (3P) M8 x 1P | | | | | ● |
| 19 | C021-1 ~ C021-4 | O.D. 4mm Nylon Tubing (Clear), 10ft (3m) ~ 40ft (12m) | ● | ● | ● | ● | ● |

| No. | Part No. | Specifications | EO Brush Kit | | | | OL Brush Kit | | | |
|-----|----------|---|--------------|------|------|------|--------------|------|------|------|
| | | | C036 | C037 | C038 | C039 | C030 | C031 | C032 | C033 |
| 1 | A002 | Reducer, 3/8"F x 1/8"M Adaptor (Brass) | | | | | ● | ● | ● | ● |
| 2 | A005 | Reducer, 1/4"F x 1/8"M Adaptor (Brass) | ● | ● | ● | ● | | | | |
| 4 | C012 | Socket, PT1/8"F x NPT1/8"F | ● | ● | ● | ● | ● | ● | ● | ● |
| 9 | B003 | Oil Brush Bracket, "L"Shape | ● | ● | ● | ● | ● | ● | ● | ● |
| 10 | B051 | Self Drilling Screw, #8 x 20 | ● | ● | ● | ● | ● | ● | ● | ● |
| 14 | B057 | Washer | ● | ● | ● | ● | ● | ● | ● | ● |
| 15 | B058 | Tooth Washer | ● | ● | ● | ● | ● | ● | ● | ● |
| 20 | C013 | Oil Brush, 2" Flat Stainless Steel, NPT1/8"M | | | ● | | | | ● | |
| 21 | C014 | Oil Brush, 1" Round Stainless Steel, NPT1/8"M | | | | ● | | | | ● |
| 22 | C001 | Oil Brush, 2" Flat Nylon, NPT1/8"M | ● | | | | ● | | | |
| 23 | C002 | Oil Brush, 1" Round Nylon, NPT1/8"M | | ● | | | | ● | | |

Pulsarlube Standard Grease

| Grease Code | Region | Application | Base Oil | Temperature | NLGI # | Thickener | Color |
|-------------|--------|------------------------------------|-------------------|-------------|--------|---------------------------|-----------------|
| PL1 | ● | Multipurpose | Mineral | -20°C~150°C | 1.5 | Lithium Complex | Yellow |
| PL2 | ● ● | Heavy Duty | Mineral | -15°C~170°C | 1 | Aluminum Complex | Black |
| | ● | | | -30°C~180°C | 1 | Calcium Sulfonate | Grey |
| PL3 | ● | High Speed | Mineral | -30°C~130°C | 1.5 | Lithium Complex | Yellowish Brown |
| PL4 | ● | Food Grade | Synthetic | -40°C~200°C | 2 | Calcium Sulfonate Complex | White |
| | ● | | Synthetic | -40°C~200°C | 2 | Calcium Sulfonate Complex | Off-White |
| | ● | | Mineral | -20°C~120°C | 2 | Aluminum Complex | White |
| PL5 | ● ● | High Temperature | Mineral | -15°C~160°C | 1 | Polyurea | Beige |
| | ● | | Synthetic | -40°C~150°C | 2 | Lithium Complex | Red |
| PL6 | ● | Multipurpose with MoS ₂ | Mineral | -20°C~140°C | 2 | Lithium Complex | Grey Black |
| | ● ● | | Synthetic | -40°C~170°C | 1 | Lithium Complex | Grey |
| PL7 | ● | Low Temperature | Synthetic | -40°C~170°C | 1 | Lithium Complex | Gold |
| PL8 | ● | Biodegradable | Synthetic | -30°C~130°C | 2 | Lithium | Dark Yellow |
| PL10 | ● | Motor Bearing | Mineral | -20°C~160°C | 2 | Polyurea | Blue |
| | ● | Motor Bearing | Mineral+Synthetic | -25°C~150°C | 2 | Lithium | Beige |

● Pulsarlube USA (North and South America) ● Pulsarlube GmbH (Europe) ● Pulsarlube Asia Pacific (Asia, Oceania, Africa) ● Worldwide
Pulsarlube standard grease specifications may change due to supplier's demand. For non-standard grease, please contact your supplier for availability.

Grease Thickener Compatibility Chart

| | Aluminum Complex | Barium Complex | Calcium Stearate | Calcium 12 Hydroxy | Calcium Complex | Calcium Sulfonate | Clay Non-soap | Lithium Stearate | Lithium 12 Hydroxy | Lithium Complex | Polyurea Conventional | Polyurea Shear Stable |
|-----------------------|------------------|----------------|------------------|--------------------|-----------------|-------------------|---------------|------------------|--------------------|-----------------|-----------------------|-----------------------|
| Aluminum Complex | | x | x | ● | x | ▲ | x | x | x | ● | x | ● |
| Barium Complex | x | | x | ● | x | ● | x | x | x | x | x | ▲ |
| Calcium Stearate | x | x | | ● | x | ● | ● | ● | ▲ | ● | x | ● |
| Calcium 12 Hydroxy | ● | ● | ● | | ▲ | ▲ | ● | ● | ● | ● | x | ● |
| Calcium Complex | x | x | x | ▲ | | x | x | x | x | ● | ● | ● |
| Calcium Sulfonate | ▲ | ● | ● | ▲ | x | | x | ▲ | ▲ | ● | x | ● |
| Clay Non-soap | x | x | ● | ● | x | x | | x | x | x | x | ▲ |
| Lithium Stearate | x | x | ● | ● | x | ▲ | x | | ● | ● | x | ● |
| Lithium 12 Hydroxy | x | x | ▲ | ● | x | ▲ | x | ● | | ● | x | ● |
| Lithium Complex | ● | x | ● | ● | ● | ● | x | ● | ● | | x | ● |
| Polyurea Conventional | x | x | x | x | ● | x | x | x | x | x | | ● |
| Polyurea Shear Stable | ● | ▲ | ● | ● | ● | ● | ▲ | ● | ● | ● | ● | |

▲ Test required ● Compatible x Incompatible

● Recommended △ To be decided after inspection

| Installation Type | Installation Conditions & Checkpoints | Lubricator Type | | | | | | | | | | |
|----------------------------------|--|-----------------|-----------------|---|-------------------|----------|-----------------------------------|----|---------------------------------------|-----|-------|----|
| | | Spring | Electrochemical | | Electromechanical | | Electromechanical - Synchronizing | | Electromechanical - Remote Management | | Oiler | |
| | | S | E | V | M | EXP/EXPL | MS&MSP | Mi | BT | PLC | OL500 | EO |
| Before Installation | Select a proper location convenient for operation / replacement | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Check the thread size (1/4", 3/8") of the grease inlet | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Direct Installation | Heavy dust or particle contamination | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Low backpressure | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | High vibration (A dampener should be applied for high vibration conditions) | ● | ● | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Moisture and water (Check the IP rating on each model) | ● | ● | ● | △ | ● | △ | △ | ● | ● | △ | ● |
| | High backpressure | | | | ● | ● | ● | ● | ● | ● | ● | |
| | Confined areas | ● | ● | | | | | | | | | ● |
| Remote Installation | High temperature areas (Maximum ambient temperatures of 55°C or under) | | △ | | ● | ● | ● | ● | ● | ● | ● | △ |
| | High vibration | | ● | | ● | ● | ● | ● | ● | ● | ● | ● |
| | Confined areas | | | | ● | ● | ● | ● | ● | ● | ● | |
| | Long distance from lube point (over 1m) | | | | ● | ● | ● | ● | ● | ● | ● | |
| Multi-Point Installation | Short distance from lube point | | | | ● | ● | ● | ● | ● | ● | ● | |
| | Multiple lube points gathered in limited spaces | | | | ● | ● | ● | ● | ● | ● | ● | |
| Machine Synchronized Application | Lubrication must be applied whenever machine operates | | | | | | ● | ● | | ● | | |
| | Machine operates with extended downtimes | | | | | | ● | ● | | ● | | |
| | HVAC & other machines that may be controlled by temperature changes | | | | | | ● | ● | | ● | | |
| | Machine is a fire risk hazard due to overheating/over-lubrication | | | | | | ● | ● | | ● | | |
| Check Points | <ul style="list-style-type: none"> ☑ Read the user manuals prior to installation and follow instructions carefully for appropriate installation of Pulsarlube products. ☑ Please check compatibility between the grease previously used in machinery and the grease contained in the Pulsarlube lubricator and tubing. ☑ Please check that fitting connections are tight and that the bearing passageway is clear before installation. ☑ Units installed with 45° & 90° elbow adapters in confined areas should be handled and replaced with care. ☑ Do not install units in areas where they may fall and cause injuries. ☑ Take tube length, tube I.D., and backpressure at the lube point into consideration for remote installation. ☑ For optimal results in multi-point installation, please consider the following : <ul style="list-style-type: none"> ① Minimize operating pressure (backpressure from tubing + backpressure from divider block + backpressure from bearing) ② Use lower NLGI grade grease (NLGI#1 grease is recommended). ③ Keep lube points (maximum up to 8 points) and tubing length to a minimum. ④ Regular check-ups of dispensing conditions are required if using a divider block or oil distributor. | | | | | | | | | | | |

Pulsarlube Dispensing Recommendations

Below are some general guidelines for bearing lubrication requirements. Testing is recommended for specific applications. Please contact your local distributor should you need any assistance in setting proper dispensing rates.

Dispensing Cycle Chart

(0.34ml / Cycle)

| Mode/ Month \ ml | 60ml | | 120ml / 125ml | | 240ml / 250ml | | 480ml / 500ml | |
|---------------------|------------|------------|---------------|------------|---------------|------------|---------------|------------|
| | Hours | Cycles/Day | Hours | Cycles/Day | Hours | Cycles/Day | Hours | Cycles/Day |
| 1/2 | – | – | 1 hours | 24.00 | 30 minutes | 48.00 | 15 minutes | 96.00 |
| 1 | 4 hours | 6.00 | 2 hours | 12.00 | 1 hours | 24.00 | 30 minutes | 48.00 |
| 2 | 8 hours | 3.00 | 4 hours | 6.00 | 2 hours | 12.00 | 1.0 hours | 24.00 |
| 3 | 12 hours | 2.00 | 6 hours | 4.00 | 3 hours | 8.00 | 1.5 hours | 16.00 |
| 4 | 16 hours | 1.50 | 8 hours | 3.00 | 4 hours | 6.00 | 2.0 hours | 12.00 |
| 5 | 20 hours | 1.20 | 10 hours | 2.40 | 5 hours | 4.80 | 2.5 hours | 9.60 |
| 6 | 24 hours | 1.00 | 12 hours | 2.00 | 6 hours | 4.00 | 3.0 hours | 8.00 |
| 7 | 28 hours | 0.86 | 14 hours | 1.71 | 7 hours | 3.43 | 3.5 hours | 6.86 |
| 8 | 32 hours | 0.75 | 16 hours | 1.50 | 8 hours | 3.00 | 4.0 hours | 6.00 |
| 9 | 36 hours | 0.67 | 18 hours | 1.33 | 9 hours | 2.67 | 4.5 hours | 5.33 |
| 10 | 40 hours | 0.60 | 20 hours | 1.20 | 10 hours | 2.40 | 5.0 hours | 4.80 |
| 11 | 44 hours | 0.55 | 22 hours | 1.09 | 11 hours | 2.18 | 5.5 hours | 4.36 |
| 12 | 48 hours | 0.50 | 24 hours | 1.00 | 12 hours | 2.00 | 6.0 hours | 4.00 |
| 18 | – | – | – | – | – | – | 9.0 hours | 2.66 |
| 24 | – | – | – | – | – | – | 12.0 hours | 2.00 |
| Total # Cycle | 180 Cycles | | 360 Cycles | | 720 Cycles | | 1440 Cycles | |

Dispensing Periods

| Product \ ml | 60ml | 120ml / 125ml | 240ml / 250ml | 480ml / 500ml |
|----------------|-----------------------|------------------------------------|---------------|--|
| M | 1~12 Month | 1, 2, 3, 6, 12 Month & H (15 days) | | 1, 2, 4, 6, 12, 18, 24 Month & H (15 days) |
| MS & MSP | | | | |
| OL500 | - | | | 1, 2, 4, 6, 12, 18, 24 Month & H (15 days) |
| EXP / EXPL | 1~12 Month | 1, 2, 3, 6, 9, 12 Month | | |
| Mi | 1~12 Month | | | |
| BT | | | | |
| PLC (Month) | | | | |
| PLC (Interval) | 1, 2, 3, 4, 5, 6 Mode | | | |

How To Order

Please follow the steps below when ordering Pulsarlube products. OEM filling is available upon request under special terms and conditions. Please contact your local distributor or Pulsarlube regional sales office for detail information. Certain products may not be available in specific regions.

EX) M125/PL2

Product Grease Capacity Grease Type

Step 1

Step 1 Choose your Pulsarlube product.

| Spring | Electro-chemical | Electro-mechanical | Electromechanical - Synchronizing | Electromechanical - Remote Management | Oiler |
|--------|------------------|--------------------|-----------------------------------|---------------------------------------|-----------|
| S | V, E | M, EXP, EXPL | MS, MSP, Mi | BT, PLC | OL500, EO |

Step 2

Step 2 Choose the desired grease capacity.

| Product | Capacity |
|-----------|------------------|
| S | 100ml |
| V | 125/250ml |
| E | 60/120/240ml |
| M | 60/125/250/500ml |
| EXP, EXPL | 60/120/240/480ml |
| MS, MSP | 60/125/250/500ml |
| BT | 60/120/240ml |
| Mi | 60/125/250ml |
| PLC | 60/120/240/480ml |
| OL500 | 500ml |
| EO | 60/120/240ml |

Step 3

Step 3 Select the grease type.

| PL1 | PL2 | PL3 | PL4 | PL5 | PL6 | PL7 | PL10 |
|---------------|------------|------------|---------------|------------------|-------------------------------------|-----------------|---------------|
| Multi Purpose | Heavy Duty | High Speed | H1 Food Grade | High Temperature | Multi Purpose with MoS ₂ | Low Temperature | Motor Bearing |

Additional Features for certain products.

| MSP Power Supply | |
|---------------------|-----------------------|
| VAC (AC-DC Adapter) | VDC (DC-DC Converter) |

| PLC | |
|--|---|
| 1) N : NPN Sensor Type 2) P : PNP Sensor Type | 1) INT : Interval Control Type 2) MON : Month Control Type |

* When ordering the Pulsarlube PLC, please select your PLC sensor type and the signal control type.

EX) MSP125-VDC / PL2 PLC 120 N-INT/PL1

Product Grease Capacity Additional Features Grease Type

Step 1

Step 2

Step 3