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PULSARLUBE

FORM
 DOC#: PM-T-014
 March, 2005

PULSARLUBE V

THE MOST ADVANCED AUTOMATIC SINGLE-POINT LUBRICATOR

Unit Part Number	PULSARLUBE V (KLT-1000), M (KLT-1250)			
Ball & Roller Bearings	125 cc		250 cc	
Bearing Shaft Diameter	Model Setting	cc/day	Model Setting	cc/day
105-120mm(4-1/8"-4-3/4")	N/A	-	1 Month	8.3
88-105mm(3-1/2"-4-1/8")	1 Month	4.2	2 Month	4.2
79-87mm(3-1/8"-3-1/2")	2 Month	2.8	3 Month	2.8
63-78mm(2-1/2"-3")	3 Month	1.4	6 Month	1.4
49-62mm(2"-2-1/2")	6 Month	0.7	12 Month	0.7
Less Than 49-62mm(2"-2-1/2")	12 Month	0.35	N/A	-

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Pulsarlube USA, Inc
ISO9001 Registered, Single Point Lubricator Company



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E-Brochure for Pulsarlube V unit

Pulsarlube - V

The New Generation of Electrochemical, Automatic Single-Point Lubricator



The Single-Point Lubricator (SPL) is one of how to extend the life of bearing in manufacturing operation. This technology was introduced into the industry more than 50 years ago. SPL manufacturers have continuously introduced technological advances that have increased the life of bearings and the reliability of single-point lubricators. Original spring type lubricators (old compression grease cup) and Traditional gas charged lubricators (Chemical Reaction Type) are being replaced by New Generation of Electrochemical SPL.

Pulsarlube-V, New Generation of Electrochemical, Automatic SPL, is designed to ensure a precise, predictable, and fresh supply of lubricant in a wide variety of industrial applications. Pulsarlube-V delivers self-contained (pre-packed) lubricant, under pressure, by means of a controlled electrochemical reaction that generates inert Nitrogen (N₂) gas. Unlike traditional gas charged lubricators using combustible Hydrogen (H₂) gas generation as the result of metal/acid reaction, Pulsarlube-V uses inert Nitrogen gas generation controlled by Microprocessor, which is similar to safety airbag technology widely used in modern vehicles.

Pulsarlube-V unit has a variable dispensing rate from 1 to 12 month in a single unit. It is controlled by a microprocessor to ensure reliable and predictable lubricant delivery. Selectable rate of lubricant discharge is pre-programmed to meet the specification of bearing and equipment manufacturer. However, it is important to recognize that, regardless of gas type SPL unit selected, understanding general characteristics of Gas type SPL is needed.

Feature;

- * Microprocessor inside
- * User-friendly large LCD panel
- * Simple operation
- * Accurate/Reliable dispensing
- * Six Variable dispensing rates
- * Programmed logic circuit
- * Auto purge cutout
- * High Performance Lubricant

Specification;

- * Operating Temp: -4 deg F ~ 140 deg F
- * Max working pressure: 70psi
- * Grease Capacity: 250cc
- * 5 Standard grease:
 - PL1: Multi Purpose
 - PL2: Heavy Duty
 - PL3: High Speed
 - PL4: Food Grade
 - PL5: High Temp
- * Special OEM fillings are available
- * **Anti-Explosive Certi grade: Ex ia I/II B T6**

Pulsarlube-V Details;

Gas Generation Cell

- * Linear gas production rate
Volume of gas produced is direct equation of current introduced into electrolyte
- * Pressure generated is result of resistance
Pressure equals resistance to flow
No flow = pressure
No resistance = no pressure

Battery

Specification	Data
Model/Size	Alkaline, AA
Voltage	LR6 – DC 1.5V x 2 EA = DC 3V
Capacity	2,100 mA/ Hour
Storage Condition	No High temperature & Humidity (20°C recommended)



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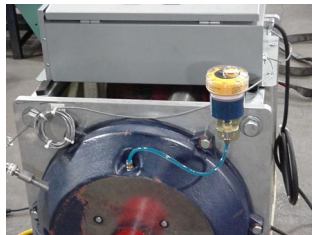
Common applications include

- * Access is hazardous or inconvenient
- * Contamination is present
- * Insufficient staff to guarantee lubrication

Typical Installation Procedure

- Check the application: Any special requirements?
- Purge grease in advance, usually 10 - 15 shots
 Check back pressure
 Secure grease passage line
- Prepare unit and fittings or accessories
- Remove grease nipple and install unit
 (Remote installation if needed)
- Turn unit on
- Make sure units working within two weeks
- Rectify causes of problem, if exists


Application



Mode Setting Guideline

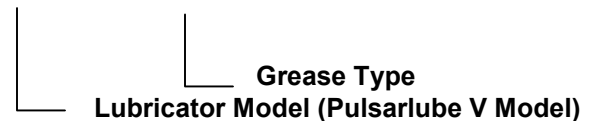
BALL & ROLLER BEARING	
BEARING SHAFT DIA	MODE SETTING
105-120mm (4 1/8" - 4 3/4")	1 MONTH
88 - 105mm (3 1/2" - 4 1/8")	2 MONTHS
79 - 87mm (3 1/8" - 3 1/2")	3 MONTHS
63 - 78mm (2 1/2" - 3")	6 MONTHS
49 - 62mm (2 / 2 1/2")	12 MONTHS

Accessories

NO	PART NO	PART NAME	DESCRIPTION	IMAGE
1	B002	Mounting Bracket	Mounting Bracket	
2	A001	Reducer	3/8" F x 1/4" M Adapter	
3	A002		3/8" F x 1/8" F Adapter	
4	A011	Socket	1/4" F x 1/4" F Adapter	
5	A012		1/8" F x 1/8" F Adapter	
6	A239	Tube Fitting	PC8-PT1/8" F fitting	
7	A212	Tubing	8mm Urethane Tubing	
8	A106	Pipe	1/8" M x 1/8" x 50 Pipe	
9	B057	Washer	Steel Washer	
10	1000 RC-1	Kit	Remote Install kit	

How to order

KLT1000 / PL1



Customer Service

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