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A British Lubricants Company

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PULSARLUBE C

Electrochemical Automatic Single Point Lubricator

KLT200C

Operating Principles

The Single-Point Lubricator (SPL) is one of how to extend the life of the bearing in the manufacturing process. Pulsarlube C, is the New Generation of electrochemical, Automatic, SPL, and is designed to ensure a precise, predictable, and fresh supply of lubricant in a wide variety of Industrial applications. Pulsarlube C delivers a self contained (pre-packed) lubricant, under pressure, by means of a controlled 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 C uses an inert Nitrogen gas generation controlled by a Microprocessor, which is similar to safety airbag technology widely used in vehicles.

Applications

Common applications include

- Where access is hazardous or inconvenient
- Contamination is present
- Where there is insufficient staff to guarantee lubrication

Features

- Simple operation
- 4(Four) variable dispensing rates
- Water Submergible
- High Performance Lubricant
- Microprocessor inside
- Programmed logic circuit
- User-friendly LED panel
- Accurate / Reliable dispensing

Specifications

Operating Temp	-20°C ~ 55°C (-4°F ~ 131°F)
Max working pressure	5.0 kgf/cm ² (70 psi)
Grease capacity	125cc / 250cc
Anti Explosive Certificate	Ex ia IIC T4
5 Standard Greases	Multipurpose/High Temperature High Speed/Food Grade/Heavy Duty

Details

Gas Generation Cells:
 Liner gas production rate.
 Volume of Gas produced in direct equation of current reduced into electrolyte.
 Pressure generated is result of resistance pressure equals resistance t flow.
 No Flow = Pressure
 No resistance = No Pressure



Mode Settings Guidelines

Ball & Roller Bearing					
Shaft Diameter		125cc	Dispense (cc / day)	250cc	Dispense (cc / day)
102~165mm	4"~ 6 1/2"	N / A	-	1month	8.3
90~101mm	3 1/2"~ 4"	1month	4.2	N / A	-
77~89mm	3"~ 3 1/2"	N / A	-	3months	2.8
65~76mm	2 1/2"~ 3"	3months	1.4	6months	1.4
51~64mm	2"~ 2 1/2"	6months	0.7	12months	0.7
25~50mm	1"~ 2"	12months	0.3	N / A	-

Typical Installation Procedure

1. Check the application : any special requirements
2. Prepare unit and fittings or accessories
3. Remove grease nipple and install unit (Remote installation if needed)
4. Turn unit on and select mode
5. Make sure units working with in two weeks
6. Rectify causes of problem, if exists

Installation Instruction

1. Open the clear mode cap on the top of the unit.
2. To start , depress and lock the green color button  first. (Unit will be off when green color button unlocked.)
3. Select dispensing mode by depressing the red color button inside the mode cap. Each single press of the  button advances the mode to the next step as follows:



4. If the LED lamp will be blinking at every 7 seconds at one of above setting mode, then the unit begins operating.
5. Close the mode cap and install the unit on the bearing lubrication point.
6. Place the mode cap tightly when it is installed outdoors or in the humid environment.

- Notes:**
- Before installing PULSARLUBE C, remove contaminants around the fitting point.
 - Install one unit on each bearing point.
 - A bearing greater than 120mm (4¾") in size needs two units with a non-return valve attached.
 - If a bearing has more than two nipples, install one unit for each nipple.

How to Order

KLT100C / PL1 (125cc C Model)
 KLT200C / PL1 (250cc C Model)

