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Electromechanical Single Point Lubricator for  
Hazardous location

**PULSARLUBE EX**

**EX125/EX250**

Product Information

Pulsarlube EX is a battery operated, single point lubricator with a replaceable 4.5V battery pack. The EX lubricator includes a powerful positive displacement pump designed to reliably lubricate your equipment. To install simply mount the EX unit directly on the lubrication point, or remote install up to 10ft. The EX intermittently injects grease via a microprocessor chip to keep your rotating equipment precisely lubricated 24 hours / day.

Hazardous Area

The Pulsarlube EX design has been tested by the UL labs and meet the following requirements: UL79, Power-Operated pumps for Petroleum dispensing products, Eighth Edition ANSI/ISA-12.12.01-2000, Nonincendive Electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous locations.

Rating	Description
CLASS I	Flammable Gases, Vapors or Liquids
DIVISION 2	Where ignitable concentrations of flammable gases, vapors and liquids are not likely to exist under normal operating conditions.
GROUPS C & D	C (Ethylene), D (Propane)

Mode Settings Guidelines

Ball & Roller Bearing					
Shaft Diameter		125ml	Dispense (ml / day)	250ml	Dispense (ml / day)
166~229mm	6 1/2" - 9"	-	-	Half month	16.6
102~165mm	4" ~ 6 1/2"	Half month	8.3	1month	8.3
90~101mm	3 1/2" ~ 4"	1month	4.2	2months	4.2
77~89mm	3" ~ 3 1/2"	2months	2.1	3months	2.1
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	0.3

## Specification

Operating Temperature Ranges	Standard Battery	14°F~122°F(-10°C~50°C)
	Lithium Battery	N / A
Max Operating Pressure		200psi ( 15 kg/cm²)
Installation Thread		3/8" NPT Adapter (available)
Remote Installation		Up to 10 feet (3 meters)
Applications		Single point lubrication
Variable Timer		1/2(H), 1, 2, 3, 6, 12 Months

Difference with Standard M unit Standard EX unit

Working Pressure	Under 280 psi (20kgf/cm²)	Under 200 psi (15kgf/cm²)
Multi point	Up to 8 points	Single point

**Warning:** Explosion Hazard - Do not remove or replace batteries unless unit has been turned "OFF" by pressing the power button for 2 seconds, or unless area is known to be free of ignitable concentrations of flammable gases or vapors

## Application In Field



## Explosion Proof Certificates

Certification	UL	ATEX	Remark	
Rating	Class I Division 2 Groups-C,D	EEx nL IIB T5 IP54		
Gas groups	D-C1 I Div1/2	IIA	Propane	Typical Gas
	D-C1 I Div1/2	IIB	Ethylene	
Maximum Surface Temperature	T6(85°C)	T5 (100°C)	The skin temperature shall not exceed the minimum ignition temperature of the substances to be found in the hazardous location. The "T" code designations apply to motors and other types of Electrical equipment subject to hazardous location classification.	
Enclosure protection indices	-	IP54	Protection against dust; -IP5X Dust penetration is not prevented all together, but dust must not enter in sufficient quantities to prevent the equipment from operating satisfactorily, or to impair safety. Protection against water spray;-IPX4 Water splashes on to the enclosure from any direction must not have any harmful effects.	
Classification of hazardous locations	Cl I Div2 Cl I Zone2 (gas)	Zone2 (gas) Zone22 (dust)	Ignitable concentrations not likely to exist under normal operations, or may exist for a short time only	
Certificate number	E304815	LCIE07 ATEX 610		

## How to Order

EX125 / PL1 (125ml EX Model)  
EX250 / PL1 (250ml EX Model)  
Grease Type  
Lubricator Model  
(Pulsarlube-EX Model)