



# AUTOMATIC LUBRICATION SYSTEM

## LBX – LUBERR BASIC PUMP

### GENERAL OPERATIONAL INFORMATION

The LUBERR system are designed to provide oil or grease for lube friction points on industrial and mobile equipment.

LUBERR systems considerably reduce the cost of maintaining machinery on which they are installed due to better operating conditions as a result of proper lubrication and eliminate machinery downtime caused by poor lubrication as well as prolonging the life of the machinery in general.

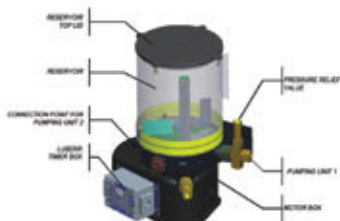
Additionally, a centralized lubrication system manages to reach unaccessible lubrication points to be lubricated at frequent intervals that would otherwise be hard to access under normal conditions. The diagram shows a typical schematic of a simple centralized lubrication system.

The main components are:

- A - Electric LUBERR pump with Reservoir
- B - Primary lubrication line for distributing grease.
- C - Distributor that divides grease into a number of lube points.
- D - Secondary tubing that delivers grease to the lube point.
- E - Lube Timer



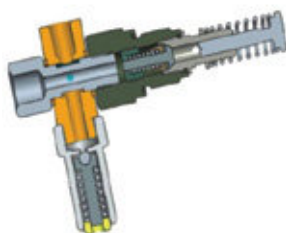
### PUMP SPECIFICATION



#### GENERAL TECHNICAL SPECIFICATION

	DC	
	12V	24 V
Operating Voltage	12V	24 V
Current (nominal)	1A	0.5A
Current (peak)	2.5A	2A
Number of outlets/pumping elements	Max upto 3nos	
Working pressure	250bar (3600psi)	
Reservoir capacity	2kgs	
Max Greas capability	NLGI 2	
Min. oil viscosity	46cSt	
Operating Temperature	-25°C - +80°C	
Humidity	90%	
Noise	< 70db (A)	

### PUMPING UNIT SPECIFICATION



#### LUBERR PUMPING UNIT

PUMPING UNIT OUTPUT	MODEL NO	output in cc/stroke
Outlet thread	LPU 30	0.20
Optional outlet thread port	M10 x 1p (F)	
Working pressure	250bar (3600 psi)	
Integrated By-pass Pressure relief valve	Set at - 200bar±20bar	
Max. Grease capability	NLGI 2	
Min. Oil Viscosity	46cSt	

### LUBE CONTROLLER SPECIFICATION



#### CONTROL UNIT

Operating Voltage	12VDC ± 20%	24VDC ± 20%
Maximum Output load capability	3A	
Short circuit & overload protection	4A typical	10Amax
Hardware protection	Overload protection on motor and lamp Spike voltage protection Inverted polarity protection	
Memory Life	Unlimited (no battery requirement)	

RIKKON GROUP OF COMPANIES





## HOW TO ORDER ?

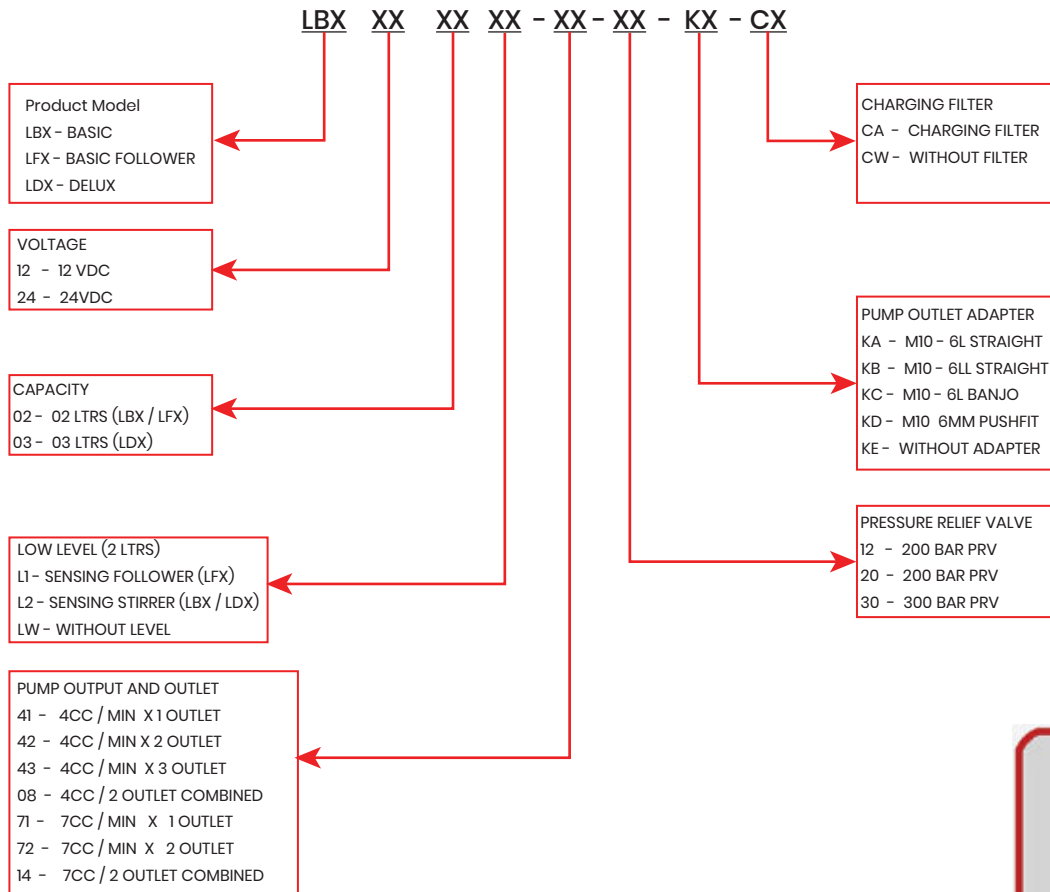
### DESIGN OF PROGRESSIVE LUBRICATION SYSTEM

The LUBERR Automatic Lubrication system consists of below major components

**Pump:** LUBERR

**Progressive Distributor :** SVM21D

Lube Controller , Tubing's , Fittings & Accessories



### EXAMPLE

#### LBX2402LW-41-20-KB-CA

LUBERR BASIC GREASE PUMP (LBX) , 24VDC , 2 LTRS , WITHOUT LOW LEVEL , 4CC /MIN - 1 NO PUMP OUTPUT , 200 BAR PRV , M10-6LL STRAIGHT PUMP OUTLET ADAPTER , CHARGING NEV & STRAINER 1/4" BSP - ASSEMBLY WITH GREASE NIPPLE.



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