

# **INTERLUBE**

*Leaders in Lubrication Solutions*



## LUBEPLUS 'E' Centralised Lubrication System Multi-Industry Applications

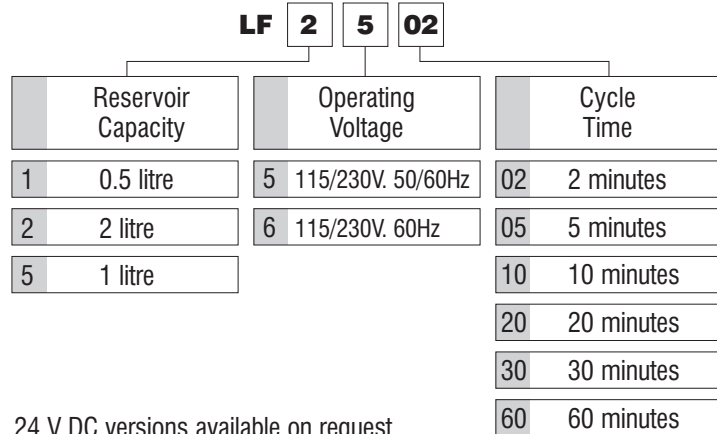


*Interlube Systems Ltd - maximising industrial performance world-wide...*

## ORDERING METHOD

Before selecting the model number it will be necessary to decide the mains operating voltage, the output required and the free delivery cycle time, referring to the list of model numbers.

Example shown is 2 litre reservoir, 115/230 V 50/60 Hz. operating voltage with a 2 minute lubrication cycle, with an adjustable lubricant output of 7.5 to 75ml/hour.



**Note:**  
Motors are dual voltage  
115/230V 50/60Hz

24 V DC versions available on request.

### PUMP OUTPUTS PER HOUR

CYCLE TIME	OUTPUT - CCs
2 minutes	7.5 to 75
5 minutes	3.0 to 30
10 minutes	1.5 to 15
20 minutes	0.75 to 7.5
30 minutes	0.5 to 5.0
60 minutes	0.25 to 2.5

### SPARES

LF/SP1 - Filter Housing Including Inlet and Outlet Check Valves

### MOTOR/GEARBOX SPARES

PUMP NO.	MOTOR/GEARBOX PART
LFx502	83338-210
LFx602	83338-220
LFx505	83338-211
LFx605	83338-221
LFx510	83338-212
LFx610	83338-222
LFx520	83338-213
LFx620	83338-223
LFx530	83338-215
LFx630	83338-225
LFx560	83338-214
LFx660	83338-224

### RESERVOIRS

1/2 LITRE - RES 1  
1 LITRE - RES 2  
2 LITRE - RES 3



Part of the



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**LUBEPLUS E - ELECTRICALLY OPERATED SINGLE LINE METERED SYSTEM**

Automatic centralised lubrication systems are generally recognised by both designers and users as being superior to manual methods. Regular planned lubrication reduces maintenance costs and extends machine life, and can also improve machine performance. Under lubrication can cause a serious failing-off in performance, either in the throughput quantity or poor quality output. When prolonged under-lubrication occurs on a manually lubricated machine, a missed bearing could lead to an expensive shutdown due to a seized or failed bearing. The financial penalty can be heavy, not only for replacement parts but more especially in the resulting downtime and loss of production.

**Lubeplus 'E'** has been designed as a compact cyclic system, to meet the lubrication requirements of today's sophisticated machinery.

**Lubeplus 'E'** combines Interlube's extensive knowledge of industrial lubrication requirements with modern production technology, to provide an off-the-shelf lubrication system, covering a wide range of lubricants and applications.

**Lubeplus 'E'** has been manufactured using the highest engineering standards to give trouble free continuous and automatic operation.



**2 Litre Capacity Pump**

**OPERATION**

The pump is a compact (adjustable discharge) self-contained, electrically operated automatic lubricator complete with integral float switch. The pump operating lever mechanism is driven by a continuous running electric motor which operates a spring loaded discharge piston at various set time intervals (see cycle times). When the lever arm mechanism reaches the maximum point of travel the piston is released and discharges a preset volume of lubricant into the system. Discharge control is obtained by varying the effective output stroke of the piston, which is externally adjustable between 0.25ml and 2.5ml. With different combinations of motor/gearbox it is possible to obtain outputs of 0.25ml to 75ml per hour.

**MANUAL PRIMING FEATURE**

The pump is also fitted with a "priming handle" connected to the discharge piston which can be used to manually operate the system after completing the installation or at intervals when the machine has been inoperative for a period of time.

A patented 'lost motion' mechanism obviates restriction of the upward stroke of the piston should the handle be inadvertently depressed during operation.

**DIMENSIONS**

Dimension	Size		
	1/2 LTR	1LTR	2LTR
A	162	165	222
B	113	131	136
C	85	120	151
D	9	9	10
E	98	118	122
F	116	136	142

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## CONDITION MONITORING

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Warning of pressure failure can be achieved by installing a pressure switch in the system which can be interfaced with the general machine control. The integral float switch monitors low level lubricant in the transparent reservoir. Typically Lubeplus 'E' systems are capable of serving up to 15-20 lubrication points depending on their size and usage.

For larger or variable control systems please refer to the Lubeplus GX literature or alternatively contact our customer Services Department on +44 (0)1752-676000.

### TECHNICAL DATA

Recommended Lubricants	10-1800 Centistokes oil
Output Volume	0.25ml-75ml/hour (over complete range)
Output Stroke	0.25ml - 2.5ml adjustable
Operating Pressure	4 bar nominal
Operating Voltages	115/230V 50/60 Hz (24 V DC available upon request)
Power Rating	4 VA
Level Switch	Supplied Normally Closed Special order for Normally Open
Rating	Contact Capacity watts - 50W Max Volts - 150 VAC/200 VDC Max Amps - 200 m A Max
Reservoir capacity	0.5, 1.0 & 2.0 litre
Output Connection	1/8 BSP with compression fitting for 4mm O/D tube
Electrical Connection	M20 x 1.5 entry

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## TYPICAL INSTALLATION

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