

THE ECONOMIC SOLUTION FOR OIL AND FLUID GREASE LUBRICATION

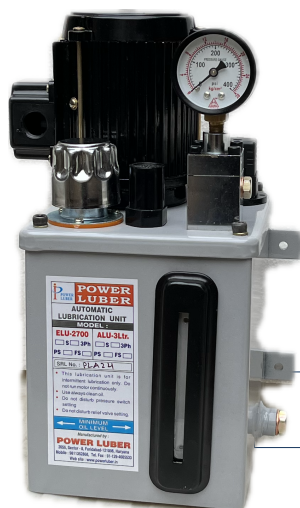
CHARACTERISTICS

- 2 OPTIONS
 - MANUAL VERSION
 - AUTOMATIC VERSION
- OIL AND FLUID GREASE
- RESERVOIRS -2.7L
- SINGLE PHASE & THREE PHASE
- DISCHARGE
 - 750 CC / MIN & 1000 CC / MIN
- PRESSURE SWITCH
 - FLOAT TYPE
 - INFRARED

ELU-2700 is a compact and versatile pump, the perfect solution for oil and fluid grease lubrication

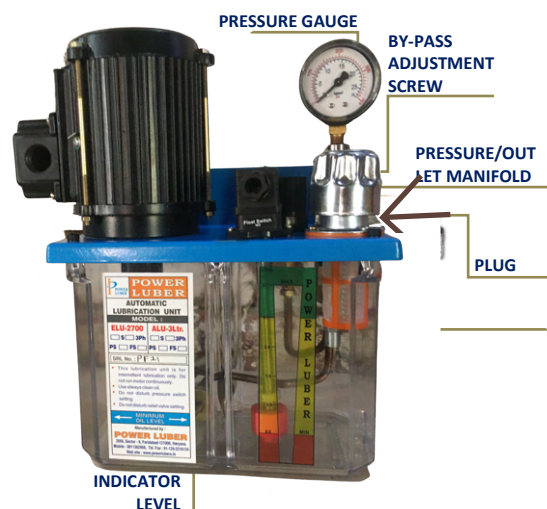
Thanks to two complementary versions, the lubrication cycle can be managed by an external PLC (**MANUAL VERSION**) or with an integrated controller board (**AUTOMATIC VERSION**).

ELU-2700 is ideal for application in Single Line, typically metering injector systems.



MANUAL VERSION

Lubrication cycles managed by host machine



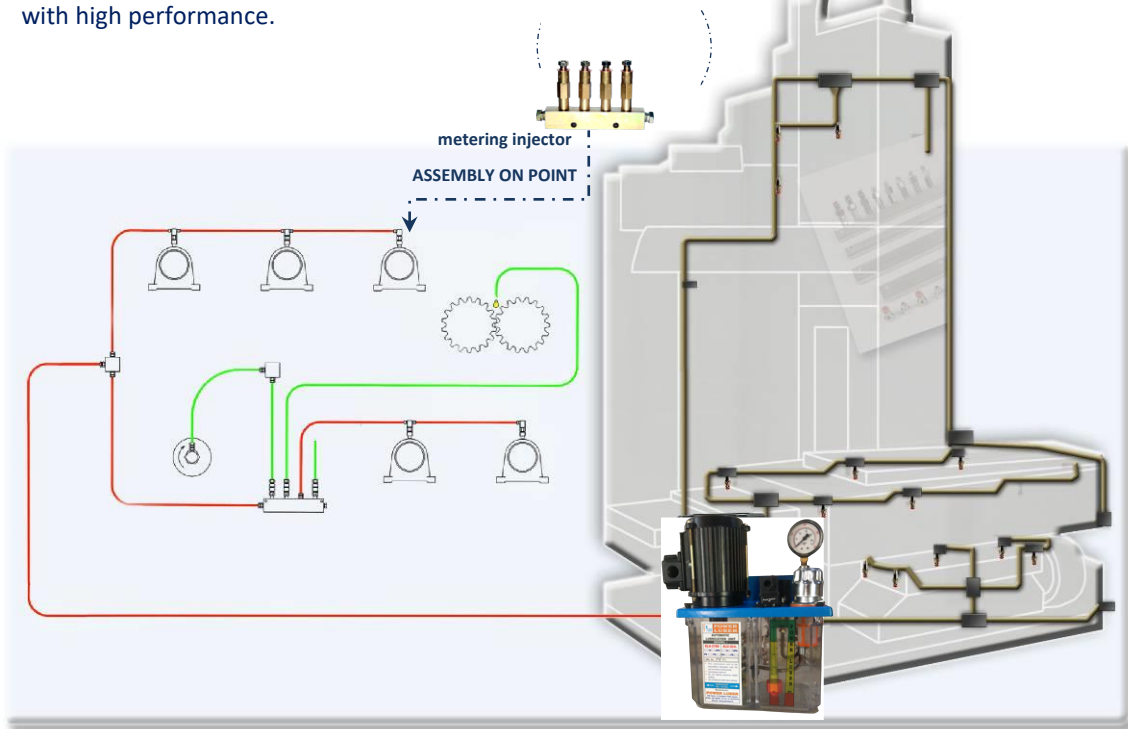
AUTOMATIC VERSION

ON BOARD MANAGEMENT of cycle time, alarms and controls

APPLICATIONS

- TOOL MACHINES:
- ANY SMALL AND MEDIUM OIL OR FLUID GREASE SYSTEM
- PRESS MACHINES
- GUIDES & CHAINS

Using metering with **ELU2700** pump, you will get a lubrication system that provides quality with high performance.



LUBRICATION CYCLE WITH NEW GENERATION CONTROLLER

It allows numerous ways to trigger and monitor the lubrication event in a system:

1. **CYCLE MODE:** allows pause to be determined by timer or a number of external impulses. These can be in any combination.
2. **PULSE MODE:** allows pause to be determined by timer or a number of external impulses. Additionally, during the lubrication cycles, the cycle sensor can be monitored to ensure correct operation of the system. The pump can suspend the lubrication cycle if external impulses not detected.
3. **STANDBY:** During this phase the lubrication system is inactive until the next lubrication cycle.

SYSTEMS FEATURES:

WORKING SYSTEMS:

This is mini hydraulic power pack fitted with motor and rotary positive displacement single cycle.

WORKING FUNCTION:

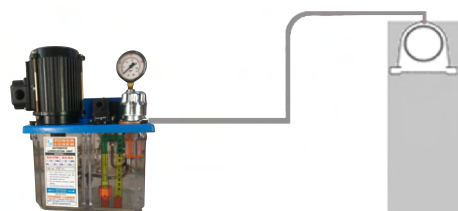
During ON cycle, the electrical driven pump discharges the oil with high pressure, adjustable between 25-28 bars, with help of an in-built relief valve, which is also safeguarding the systems from over-loading and the pressure can be read on the Pressure Gauge fitted on the unit.

REMOTE ALARM OPTIONS, INCLUDING CODED OUTPUT

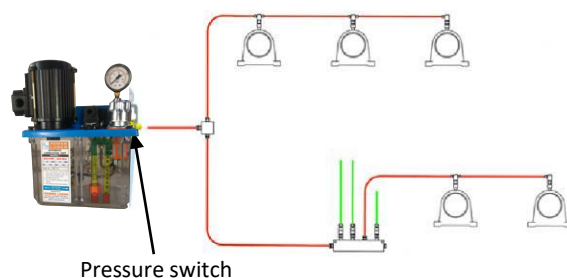
As well as having a NO and NC relay contact for a remote alarm connection and the ability to use it in a normal or inverted conditions it has the ability to send a coded signal. When coded alarm signal is selected it pulses the alarm contact with the Alarm error code that is shown on the display. The remote PLC can count the pulses and interpret what kind of alarm is being given rather than a generic alarm as on other systems.

POSSIBLE IMPLEMENTATIONS WITH MENÙ ADVANCED "CYCLE END" E "LUBE TYPE"

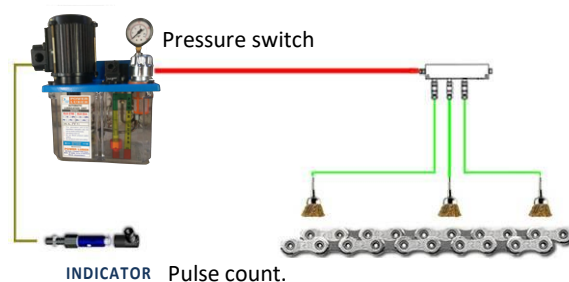
Cycle mode



Pulse mode

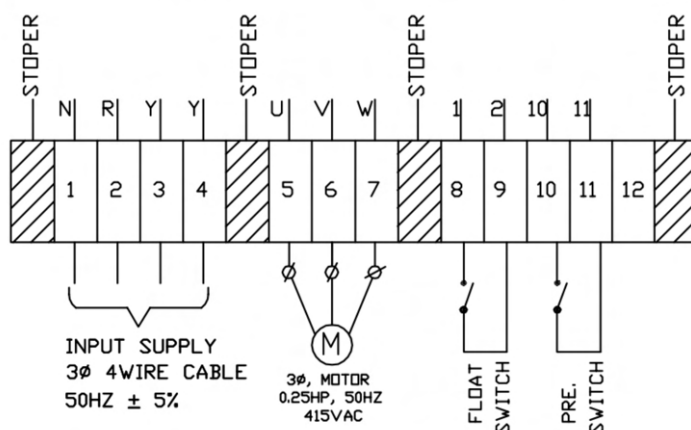


LUBRICATION WITH EXTERNAL IMPULSES PRESSURE SWITCH CONTROLLER (INSIDE)



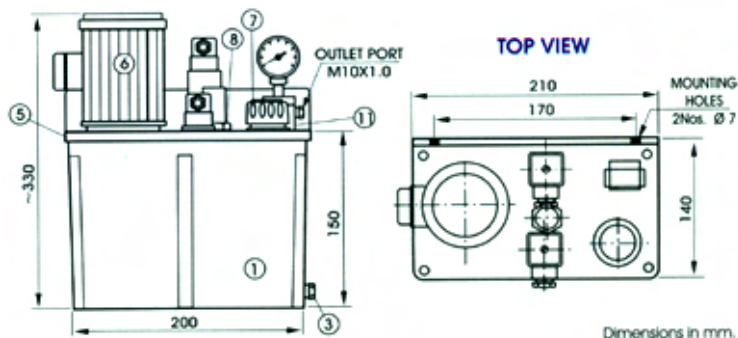
ELECTRICAL CONNECTIONS

TERMINAL BLOCK DETAILS

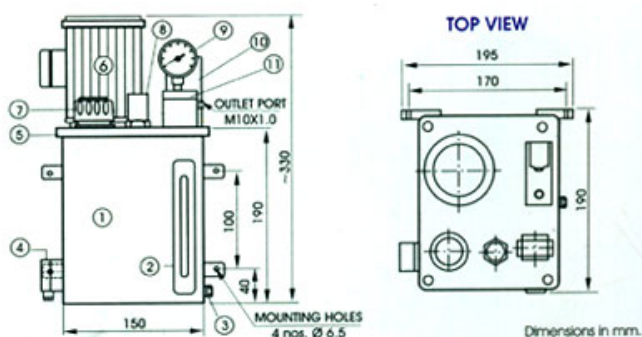


**SIMPLE
INSTALLATION
THANKS TO
MANY
CONNECTOR
OPTIONS**

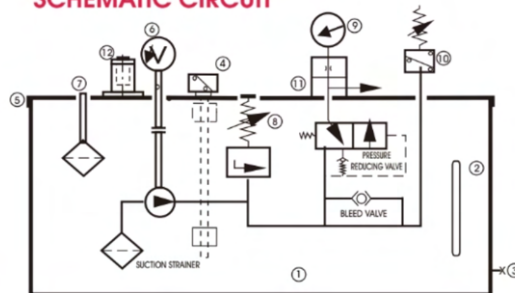
ELU- 2700 LINE DIAGRAM



ALU-03 LINE DIAGRAM



SCHEMATIC CIRCUIT



Parts Name

- | | | | |
|------------------|--------------------|---------------------------|-----------------------|
| 1 Reservoir | 2 Oil Level Gauge | 3 Drain Plug | 4 Float Switch |
| 5 Top Plate | 6 Motor | 7 Oil Filler Cum Breather | 8 Relief Valve |
| 9 Pressure Gauge | 10 Pressure Switch | 11 Junction Block | 12 Return Line Filter |

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Motors	110V AC – 2p– 50/60 Hz 140/175W- (2800/3500 rpm) 230V AC – 2p– 50 Hz 90 W (1400 rpm)
Motor grade of protection	IP 55
Pumping system	Rotary pump
Flow rate	750 cc/min @ 1400 rpm
Maximum operating pressures	3~20 bar
Outlet connection	G1/8" BSP
Min Level Floating Switch Indicator	With NC contact in case of liquid
Min Level Optical Sensor Indicator	NPN/PNP protect for short circuit, off in case of low level
Filter	1000 µ
By-Pass	Adjustable 0÷20 bar – preset to 15 bar
Pressure switch	10÷20bar - Preset to 15 bar
Operating temperature	+ 5 ÷ + 60 °C
Permitted lubricants*	Oil 32 cSt-320 cSt ; max Grease NLGI000;
Conservation Temperature	-20 ÷ +80 °C
Continuous sound pressure level	< 70 dB(A)
Max Working Time Continuous Of The Pump	1 min
Minimum Stand-By Time	5 times T-on

ORDER INFORMATION

AUTOMATIC VERSION - WITH CONTROLLER

RESERVOIR BODY	DISCHARGE	RESERVOIR CAPACITY	MOTOR CAPACITY	VOLTAGE	
METALIC BODY- ALU 03	750 CC/ MIN 1000 CC/MIN 3000 CC/MIN	3 LITRE 5 LITRE 8LITRE	0.9 KW 0.12 KW 0.18 KW	220 V AC / 50 Hz	
				3 PHASE 415 VAC 4 POLE	
				110 V AC/ 50 Hz	
ACRYLIC BODY- ELU-2700	750 CC / MIN 1000 CC/MIN	2.7 LITRE	0.9 KW 0.12 KW	220 V AC/50 Hz	
				3 PHASE 415 VAC 4 POLE	
				110 V AC/ 50 Hz	