

# MOTORISED LUBRICATION UNIT

## ELECTRICALLY OPERATED PUMP WITH RESERVOIR



Lubrication  
Systems

POWER LUBER

### CHARACTERISTICS

- For Oil
- Compatible with 010 System
- Float level sensor
- Tank: 2.7,3-5 Lt
- Flow rate: 750-1000 cm<sup>3</sup>/min
- Pressure relief valve
- Max. pressure valve

## MOTORISED LUBRICATION UNIT

### DESCRIPTION

Units equipped with electric motor **three-phase**, 120 W and **single-phase**, 90 W provided for the supply of centralized lubrication system **operating with Oil**.

The pumps with flow rate 750-1000 cm<sup>3</sup>/min., are equipped with max. pressure valve, pressure gauge and decompressor. All metal tanks have a visual level indicator, while the thermoplastic types are transparent. All the units can be arranged with a pressure switch on board. They then allow you to control the pressure of the system through **NA contact**.

The pressure switch is adjustable from 10 to 20 bar and is calibrated to test at 18 bar and protected by a black rubber cap. The level contact is normally NA and can also be required in NC.



### TECHNICAL DATA

| ELECTRIC FEATURES                 |                                                                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Degree of motor protection        | IP 55                                                                                                                                                     |
| Minimum level                     | With float                                                                                                                                                |
| Float level output signal         | Contact cleaner max voltage 42V, max power 42 W. 1 NC Contact(oil Filled).                                                                                |
| Connector for level (optic float) | DIN 43650                                                                                                                                                 |
| Pressure switch                   | Alarm contact closed at max.calibration pressure (18 bar)                                                                                                 |
| Pressure switch output signal     | Contact cleaner max voltage 42V, max. power 100 W                                                                                                         |
| HYDRAULIC SPECIFICATIONS          |                                                                                                                                                           |
| Pumping system                    | Rotary pump                                                                                                                                               |
| Maximum operating pressure        | - 20 bar - 3 phase motor (At intermittent running max 5 min with 1:1 pause ratio).<br>- 18 bar (single-phase motor)<br>- max 20 bar at continuous service |
| Outlet connection                 | G1/8" BSP                                                                                                                                                 |
| Tank capacity                     | 2.7L, 3L,5L                                                                                                                                               |
| Filter                            | Filtering degree 1000 µ                                                                                                                                   |
| By-pass                           | Adjustable 0÷25 bar – pre-set 22÷28bar                                                                                                                    |
| Operating temperature             | + 5 ÷ + 70 °C                                                                                                                                             |
| Operating humidity                | 90 % rel humidity.                                                                                                                                        |
| Lubricants                        | Lubricating Oil min. 32 to 460 cSt                                                                                                                        |
| Storage temperature               | -20 ÷ +65 °C                                                                                                                                              |
| Continuous sound pressure level   | < 70 dB(A)                                                                                                                                                |

### APPLICATIONS

- Machine tools
- Medium size presses
- Packaging machines
- Presses for plastic injection
- Gearboxes

[www.powerluber.in](http://www.powerluber.in)

Lubrication Made Simple

Distributor Info:

## ELECTRICALLY OPERATED PUMP WITH RESERVOIR



**POWER  
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## Lubrication Systems

**POWER LUBER**

## 04

## ELU/ALU

3

x

**x**

**x**

X PUMP UNIT

|   |                                         |
|---|-----------------------------------------|
| 1 | 750cc 3Ph 4P 230-400/50 Hz - sist. 010  |
| 2 | 1000cc 3Ph 4P 230-400/50 Hz - sist. 010 |
| 3 | 750cc 1Ph 4P 110/50 Hz - sist. 010      |
| 4 | 1000cc 1Ph 4P 110/50 Hz - sist. 010     |
| 5 | 750cc 1Ph 4P 220/50 Hz - sist. 010      |
| 6 | 1000cc 1Ph 4P 220/50 Hz - sist. 010     |

**X PRESSURE SWITCH**

|   |                                       |
|---|---------------------------------------|
| 0 | Pressure switch not present           |
| 1 | Pressure switch NA 10-20bar set 18bar |

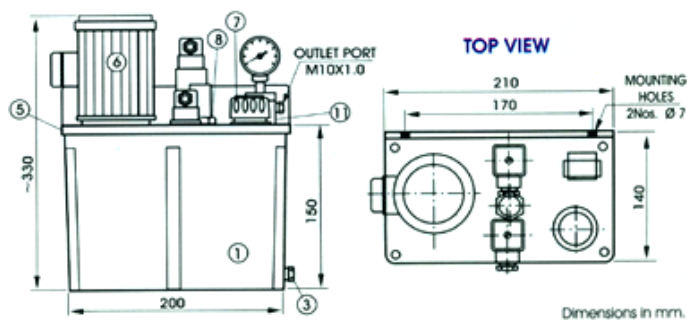
**X TANK**

|             |                   |
|-------------|-------------------|
| <b>2700</b> | Acrylic Tank 2.7L |
| <b>03</b>   | Metallic Tank 3L  |
| <b>05</b>   | Metallic Tank 5L  |
| <b>08</b>   | Metalic Tank 8L   |

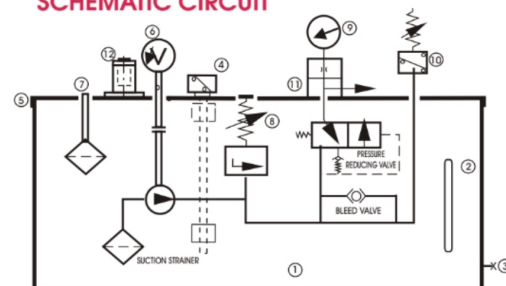
**X LEVEL**

|   |                           |
|---|---------------------------|
| 0 | Without level             |
| 1 | Magnetic level NA 42W/42V |

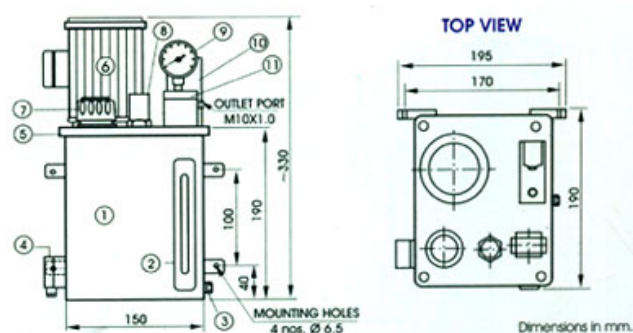
### SCHEMATIC DIAGRAM



### SCHEMATIC CIRCUIT



### DIMENSION - ALU03



## 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 |