

## SINGLE SHOT OIL SYSTEM



### CHAPTER-14

#### PUMP

##### Motorised Unit

##### MODEL ALU-03

- This is a mini hydraulic power pack fitted with a motor and rotary positive displacement pump.
- The unit is designed for intermittent run only and is best suited for Single Shot Lubrication.
- Unit is fitted with a suitable pressure switch, float switch and oil window for checking oil level.
- During ON cycle, the electrically driven pump discharges the oil with high pressure, adjustable between 15-18 bars, with the help of an in-built relief valve, for safeguarding the system from over-loading.
- During OFF cycle the pressure in the lubrication line is reduced to 1 kg/sq.cm.
- The system is also provided with a bleed valve near the outlet port to automatically bleed air if entrained in system.
- For vertical mounting of the unit, four holes are provided at the back of the system.
- There is an in-built check valve and pressure reducing system incorporated in the pump.
- Outlet port is suitable for 6mm OD tube.



Discharge of pump : 1 LPM.  
Reservoir capacity : 3 ltrs. (in Mild Steel).  
Motor : 0.09KW, 1500 rpm,  
3 phase, 415 V.  
Relief valve : Pre-set at 15-18 kg/sq.cm.  
Pressure switch : 42 V (Max), 0.2 A (Max),  
Pre-set at 12 kg/sq. cm.,  
1NO+1NC contact.  
Float switch : 220 V (Max), 0.2 A (Max)  
NC contact (Oil filled)  
Electronic controller : Optional  
Suitable oil viscosity : Between 32 to 680 cSt/40°C.  
Best suited for medium size machine.

