

AUTO LUB

ENGINEERS

Centralised Lubrication Systems for Oil and Grease



The Best Solutions
in LUBRICATION



HAND OPERATED PISTON PUMPS

This is a piston pump with oil reservoir of different capacity. The pump discharges oil on pulling the handle. The piston returns to its original position by spring force and pressure generated approx. 1Kg/cm² in the lubrication line. When piston is operated oil is ejected out form the outlet of the piston pump under pressure.

TECHNICAL SPECIFICATIONS :

MODEL	RESERVOIR CAP.	PRESSURE SETTING	DISCHARGE
ALHP-250-4	Reservoir cap. 0.25 Ltr.	Pr.setting 12Kg/Cm ² .	4cc per stroke,
ALHP-600-6	Reservoir cap. 0.60 Ltr.	Pr.setting 15Kg/Cm ² .	6cc per stroke,
ALHP-1700-10	Reservoir cap. 1.70 Ltr.	Pr.setting 20Kg/Cm ² .	10cc per stroke,
ALHPT-200-4 Spl.*	Reservoir cap. 200cc.	Pr.setting 15Kg/Cm ² .	4cc per stroke,
ALHPT-400-4 Spl.*	Reservoir cap. 400cc.	Pr.setting 15Kg/Cm ² .	4cc per stroke,
ALHPT-800-4 Spl.*	Reservoir cap. 800cc.	Pr.setting 15Kg/Cm ² .	4cc per stroke,

MOTORISED LUBRICATION UNITS

Motorised lubrication unit equipped with positive displacement rotary pump driven by an electric motor. This pump discharge oil to the lubricating line. The unit is meant for intermittent lubrication and suitable for centralised lubrication single shot type. Unit is supplied with reservoir, oil filler cum air breather, suction strainer, pressure relief valve, bleed valve etc.



TECHNICAL SPECIFICATIONS :

*Transparent Polycarbonate Reservoir

MODEL	RESERVOIR	DISCHARGE	MOTOR RPM1400 (Syn)	RELIEF VALVE	PRESSURE SWITCH	FLOAT SWITCH
ALLS-2700*	2.7 Ltrs.	1 LPM	0.09 KW,220V AC. Single phase	12 kg/Cm ²	Optional	Optional
ALLS-03	3 Ltrs.	1 LPM	0.10 KW,220V AC. Single phase	12 kg/Cm ²	Optional	Optional
ALELU-2700*	2.7 Ltrs.	1 LPM	0.12 KW,415V AC. 4Pole, 3 phase	15 kg/Cm ²	220 V, 1Amp. With 1 NO+1NC Contact preset at 12 Kg/Cm ²	220 V, 1Amp. With NO or NC contacts
ALLU-03	3 Ltrs.	1 LPM	0.12 KW,415V AC. 4Pole, 3 phase	15 kg/Cm ²	- do - preset at 12 Kg/Cm ²	- do -
ALLU-05	5 Ltrs.	3 LPM	0.12 KW,415V AC. 4Pole, 3 phase	20 kg/Cm ²	- do - preset at 15 Kg/Cm ²	- do -
ALLU-08	8 Ltrs.	3 LPM	0.18 KW,415V AC. 4Pole, 3 phase.	25 kg/Cm ²	- do - preset at 18 Kg/Cm ²	- do -
ALLU-20	20 Ltrs.	3 LPM	0.18 KW,415V AC. 4Pole, 3 phase.	25 kg/Cm ²	- do - preset at 18 Kg/Cm ²	- do -

ELECTRONIC TIMER / CONTROLLER

The Electronic Timer & Controllers are used for automatic controlling of lubrication systems. There are different models used for different applications. Following models are under our regular production.



TECHNICAL SPECIFICATIONS :

MODEL	ON Time	OFF Time
ALET-1-128	5 Sec. (Fixed)	1 to 128 Mts. (Adjustable)
ALET-60-240	5 Sec. (Fixed)	60/120/240 Mts. (Adjustable)
ALET-2-30/120	2-30 Sec. (Fixed)	2-120 Mts. (Adjustable)
ALEC-1002 (Wall Mounting)	5- sec. (After pr. switch signal)	2, to 240 Mts. (Adjustable)
ALEC-5/2-120 (Wall Mounting)	5 Sec. (Fixed)	1 to 128 Mts. (Adjustable)



METERING CARTRIDGES

TECHNICAL SPECIFICATIONS :

D-1	Dosage 0.01cc, 0.03 cc, 0.05 cc, 0.10 cc, 0.16 cc per stroke.
D-2	Dosage 0.25 cc, 0.40 cc per stroke.
D-3	Dosage 1.0 cc, 1.60 cc, Per stroke

Note : We are manufacturing injectors in M.S. & BRASS



TAKE OFF METERING INJECTORS (With Indicator Pin)

TECHNICAL SPECIFICATIONS :

ALT-002	No. of outlets - 2, Dosage in cc 0.1 to 0.4, Dosage in Drops 3 - 12.
ALT-003	No. of outlets - 3, Dosage in cc 0.1 to 0.4, Dosage in Drops 3 - 12.
ALT-004	No. of outlets - 4, Dosage in cc 0.1 to 0.4, Dosage in Drops 3 - 12.



JUNCTION BLOCKS

TYPE	LENGTH	MOUNTING	THREAD
3 Ways	51 mm.	37 mm.	M8X1 /1/ 8 BSP
4 Ways	51 mm.	37 mm.	M8X1 /1/ 8 BSP
5 Ways	70 mm.	56 mm.	M8X1 /1/ 8 BSP
6 Ways	89 mm.	75 mm.	M8X1 /1/ 8 BSP
7 Ways	108 mm.	94 mm.	M8X1 /1/ 8 BSP
8 Ways	127 mm.	113 mm.	M8X1 /1/ 8 BSP
9 Ways	146 mm.	132 mm.	M8X1 /1/ 8 BSP
10 Ways	165 mm.	151 mm.	M8X1 /1/ 8 BSP

MOTOR PUMP ASSEMBLY

MOTOR PUMP ASSEMBLY consists of a pump, an electric motor and an 'L' bracket. This 'L' type bracket is used to tighten the pump and adopter by means of four mounting bolts.

Motor pump assembly is used for oil lubrication especially where continuous and high dosage of oil is required. It is also applied under oil circulation systems. It is used almost in all machines where free flow of oil is required. The different specification is available with different model. It can suck the oil from 2 ft. downwards and circulate the oil up to 10 ft. Height. The rotation of motor pump assembly is indicated on the label. Four mounting holes are provided to mount the system. An electrical terminal box on the surface of the motor is provided for connection.

OPTIONAL:- Suction strainer, relief valve, flow control valve can be provided on requirement.



TECHNICAL SPECIFICATIONS :

MODELS	DISCHARGE	MOTOR (Flange Mounted)	PUMP
ALMPA - 1	1- 3 Litre per minute (Adj)	0.18Kw, 415 V. AC.1440rpm.	PP-1
ALMPA - 6	6 Litres per minute	0.37Kw, 415 V. AC.1440rpm.	PP-6
ALMPA - 10	10 Litres per minute	0.75Kw (1HP), 415 V. AC.1440rpm.	PP-10
ALMPA - 16	16 Litres per minute	1.50Kw (2HP), 415 V. AC.1440rpm.	PP-16
ALMPA - 25	25 Litres per minute	1.50Kw (2HP), 415 V. AC.1440rpm.	PP-25

NYLON & STEEL TUBES



ST-4	OD-4mm, Steel tube (Copper coated)
ST-6	OD-6mm, Steel tube (Copper coated)
ST-10	OD-10mm, Steel tube (Copper coated)
NT-4	OD-4mm, Nylon tube
NT-6	OD-6mm, Nylon tube
NT-10	OD-10mm, Nylon tube

FLEXIBLE RUBBERISED HOSE



FRH-4-250	250mm long with 4mm steel ends
FRH-4-500	500mm long with 4mm steel ends
FRH-4-800	800mm long with 4mm steel ends
FRH-4-1000	1000mm long with 4mm steel ends
FRH-6-250	250mm long with 6mm steel ends
FRH-6-500	500mm long with 6mm steel ends
FRH-6-800	800mm long with 6mm steel ends
FRH-6-1000	1000mm long with 6mm steel ends

MANIFOLDS



For Single D-1 or D-2 Metering Cartridges

MF-1	One way (for single oil Metering Cartridge)
MF-2	Two way (for two oil Metering Cartridges)
MF-3	Three way (for three oil Metering Cartridges)
MF-4	Four way (for four oil Metering Cartridges)
MF-5	Five way (for five oil Metering Cartridges)
MF-6	Six way (for six oil Metering Cartridges)
MF-7	Seven way (for seven oil Metering Cartridges)
MF-8	Eight way (for eight oil Metering Cartridges)

For Single D-3 Metering Cartridges

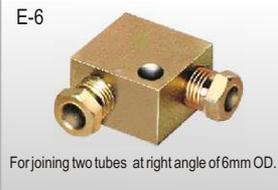
MF-1A	One way (for single oil Metering Cartridge)
MF-2A	Two way (for two oil Metering Cartridges)
MF-3A	Three way (for three oil Metering Cartridges)
MF-4A	Four way (for four oil Metering Cartridges)

FITTINGS

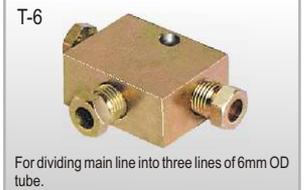
Banjo



Elbow Blocks



Tee Blocks



Cross Blocks



Connector Blocks



Elbow



Banjo (4mm)



Straight Connector



Plugs



Connector Blocks



Straight Connector



Elbow



SPARES PARTS





MANUAL GREASE PUMP

These are manually operated Piston type Grease Pumps. Which are used for grease lubrications. The grease is injected to the lubrication points under pressure by these pumps.

TECHNICAL SPECIFICATIONS

MODEL	ALGP - 500 - 3	ALGP - 1000 - 4	ALGP - 1500 - 6
Reservoir Capacity	0.5 Kg.	1 Kg.	1.5 Kg.
Discharge	3cc Per Stroke	4cc Per Stroke	6cc Per Stroke
Maximum Pressure	100 Kg. / Cm ²	120 Kg. / Cm ²	150 Kg. / Cm ²
Mounting	Vertical Wall Mounting 4 Holes	Vertical Wall Mounting 4 Holes	Vertical Wall Mounting 4 Holes



MULTI POINT RADIAL LUBRICATOR

The Radial Lubricating System is used for ejecting predetermined lubricant whether it is soft grease or thick oil under pressure to different points of the lubrication. The system is best suited for machinery such as Cement Plants Sugar Plants Textile Plants, Rubber Processing Plants, Chainsaw machine, Presses and Hammers.

TECHNICAL SPECIFICATION

MODEL	ALRL-5-4	ALRL-10-10	ALRL-15-20	ALRL-75-30
Tank Capacity	5 Kg.	10 Kg.	15 Kg.	75 Kg.
No. Of pump elements	5	10	20	30
Power of Motor - H.P. 415 Volt AC, 3 Phase 1500 RPM Syn.	0.25	0.50	1.0	1.5
Discharge of Pump / cycle (Adjustable) -cc	0.10 to 0.25 (Max. 6 gm / minute) per pump element.			
Gear Box reduction Ratio	70 : 1			
Working Pressure	200 Kg / Cm ² Maximum.			



OIL MIST LUBRICATOR

Mist lubrication unit is designed to meet the requirement where oil is supplied in the form of fog/ mist. It is basically pneumatically operated. It is available both in intermittent/ continuous discharge, through pneumatic pump, oil come in atomizer with the help of progressive block/ metering cartridge/ control valve and with air from the solenoid valve, we get the mist lubrication. Air is controlled by ON/OFF Solenoid valve.

TECHNICAL SPECIFICATION

MODEL	DESCRIPTION
ALOML-750 (Intermitted/ continuous)	Reservoir cap. 0.75 Ltrs., Air pressure req. 3-5 Kg/cm ² , Input voltage 220 V. Lubricant : any lubricant with viscosity 10 to 1000c St at 400°C
ALOML-1500 (Intermitted/ continuous)	Reservoir cap. 1.5 Ltrs., Air pressure req. 4-6 Kg/cm ² , Input voltage 220 V. Lubricant : any lubricant with viscosity 10 to 1000c St at 400°C

Applicability : conveyors, sliding chains, textile machines, stripes, spindles, shearing machines etc.



PNEUMATIC GREASE PUMP

Pneumatic Grease pump are operates through pneumatic line, connected to the ports of pneumatic cylinder. The cylinder is built in with the pump housing during on period of the pneumatic line. A piston inside the cylinder is pushed ejecting out pressure & grease from the outlet port of the pump housing. During the reverse flow of pneumatic line grease is sucked through the suction port in the top surface of the grease make the suction of the grease positive & easier. Pneumatic pump is available in adjustable Discharge & multiport with adjustable Discharge in each point. Discharge of pump as per customer Requirement.

The pneumatic grease pump is suitable for Dispensing of grease automatic of grease bearing such as milling machine, rolling machine, presses & hammers, rubber processing machine, dye casting machine, furnaces etc. this pump is suitable for grease upto NLG-2 grease is filled through the filling port & other moving parts of machine for the distribution of the grease. We used progressive blocks through this pump.



AUTO LUB ENGINEERS

(CENTRALISED LUBRICATION SYSTEMS)

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Note : Specifications are subject to be changed without any notice.