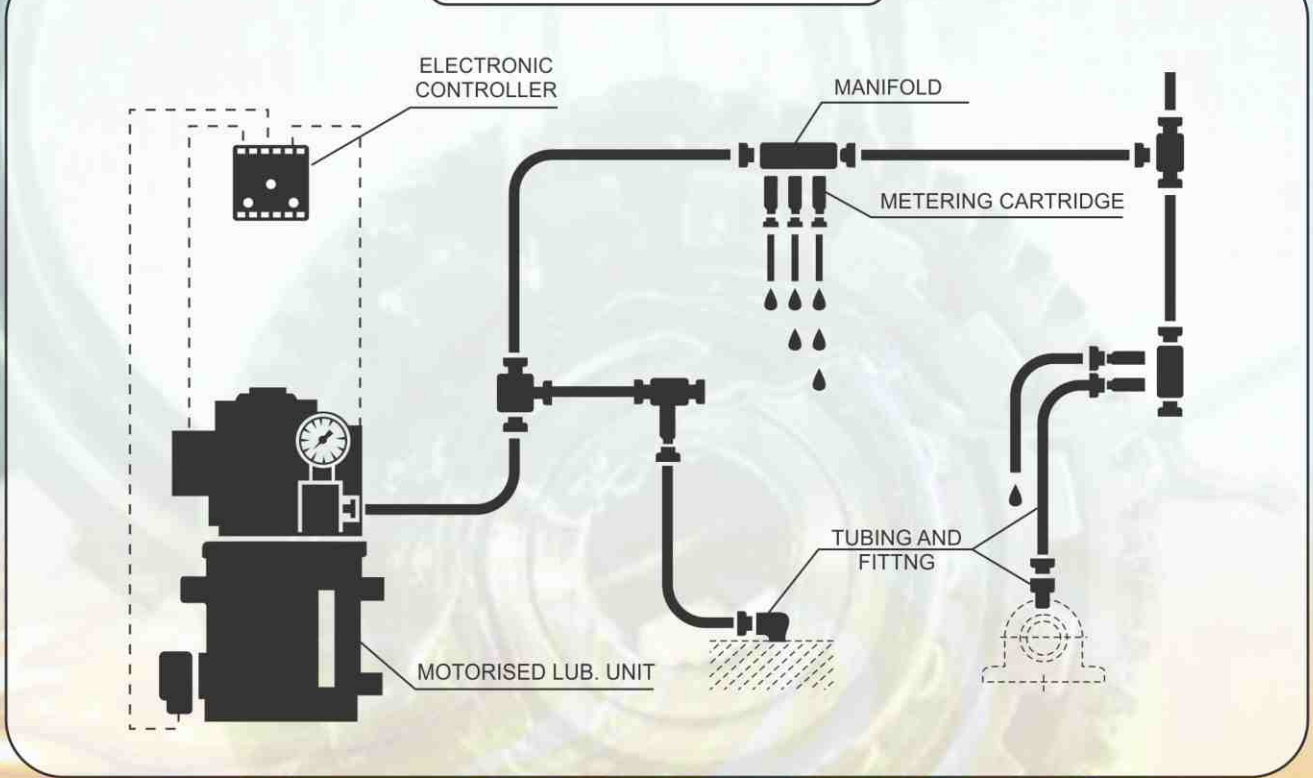




EASYLUB
CENTRALISED LUBRICATION SYSTEMS

SYSTEM LAYOUT



Model	Reservoir Capacity	Type	Discharge Per Stroke
HOP-250-4DX	250 mL.	Transparent	4cc
HOP-500-5DX	500 mL.	Transparent	5cc
HOP-1000-6DX	1000 mL.	Transparent	6cc
HOP-1500-10DX	1500 mL.	Transparent	10cc
HOP-250-4	250 mL.	Metal	4cc
HOP-600-6	600 mL.	Metal	6cc
HOP-1700-10	1700 mL.	Metal	10cc

Pressure setting 15 Kg/Cm²



AUTOMATIC LUBRICATION UNIT (MOTORIZED LUBRICATION PUMP)

TECHNICAL SPECIFICATION

Model	Reservoir Capacity	Electric Motor 1440 RPM	Discharge	Pressure Setting	Float Switch	Pressure Switch Set
ALUS-2700-DX	2.7 Ltr. Transparent	Single Ph. 220V 0.9 KW	0.8 LPM	12 Kg/Cm ²	24V, 0.2amp.	N.A.
ALUS-03	3 Ltr.	Single Ph. 220V 0.9 KW	1 LPM	12 Kg/Cm ²	24V, 0.2amp.	N.A.
ALUT-2700-DX	2.7 Ltr. Transparent	Three Ph. 415V 0.12 KW	1 LPM	15 Kg/Cm ²	24V, 0.2amp.	10 Kg/Cm ² 220V 0.5amp with 1 NO+1 NC Contact
ALUT-03	3 Ltr.	Three Ph. 415V 0.12 KW	1 LPM	15 Kg/Cm ²	24V, 0.2amp.	10 Kg/Cm ² 220V 0.5amp with 1 NO+1 NC Contact
ALUT-05	5 Ltr.	Three Ph. 415V 0.18 KW	1 LPM	18 Kg/Cm ²	24V, 0.2amp.	12 Kg/Cm ² 220V 0.5amp with 1 NO+1 NC Contact
ALUT-08	8 Ltr.	Three Ph. 415V 0.18 KW	1.5 LPM	18 Kg/Cm ²	24V, 0.2amp.	12 Kg/Cm ² 220V 0.5amp with 1 NO+1 NC Contact

* If desired these units can be supplied without pressure switch and float switch.
All the above specifications are with respect to oil with viscosity 68 cst/40°C.



MOTORIZED OIL RECIRCULATING SYSTEMS

TECHNICAL SPECIFICATION

Model	Reservoir Capacity	Electric Motor 1440 RPM	Discharge	Pressure Setting	Visual Return line filter	Pressure & Float Switch
MORS-08	8 Ltr.	Three Ph. 415V 0.18 KW	1 LPM	5 Kg/Cm ²	1/2" BSP	Optional
MORS-30	30 Ltr.	Three Ph. 415V 0.18 KW	1 or 3 LPM	5 Kg/Cm ²	1/2" BSP	Optional
MORS-100	100 Ltr.	Three Ph. 415V 0.37 KW	6 LPM	5 Kg/Cm ²	1" BSP	Optional

* We design Re-circulation unit as per your requirement. Reservoir & flow rate capacity.



MANIFOLDS



Model	FM1	FM2	FM3	FM4	FM5	FM6	FM7	FM8	FM1A	FM2A	FM3A	FM4A	FM5A
No. of Outlets	1	2	3	4	5	6	7	8	1	2	3	4	5
Mounting Distance in mm	N.A.	N.A.	40	40	40	60	80	100	N.A.	N.A.	50	50	50
Metering Cartridge	For MC-1 & MC-2								For MC-3				
Outlet Port Size	M8 x 1								M10 x 1				



METERING CARTRIDGES

In single shot centralized lubrication system, amount of oil at each lubrication point is controlled by using the element known as 'METERING CARTRIDGE'. For each lubrication point at least one metering cartridge shall be used.

Minimum working pressure for metering cartridge is 8 Kg/Cm² Maximum permissible pressure is 40 Kg/Cm² and it requires recharging time of minimum 1 minute between two successive operations. *Outlet of all sizes is suitable for direct connection of 4 mm OD tube. While ordering its size and dosage must be quoted. For example MC-1 0.10cc, MC-2 0.40cc, MC-3 1.00cc.



Size	MC - 1 (Length 50mm)					MC - 2 (Length 58mm)		MC - 3 (Length 70mm)	
Dose In CC	0.01	0.03	0.05	0.10	0.16	0.25	0.40	1.00	1.60
Area in CM ²	Up to 4	4 to 12	12 to 20	20 to 40	40 to 65	65 to 100	100 to 150	150 to 400	400 to 650
Drops	1/3	1	2	3	5	8	12	30	50

FITTINGS FOR 4MM & 6MM OD TUBE



Straight Connector FSC-4

Threads M6x0.75, M6x1, M8x1, M10x1, 1/8"BSP, 1/4"BSP



Straight Connector FSC-6

Threads M6x1, M8x1, M10x1, 1/8"BSP, 1/4"BSP



Elbow FEA-4

Threads M6x0.75, M6x1, M8x1, M10x1, 1/8"BSP, 1/4"BSP



Elbow FEA-6

Threads M8x1, M10x1, 1/8"BSP, 1/4"BSP



Banjo FBA-4

Threads M6x0.75, M6x1, M8x1, M10x1, 1/8"BSP



Banjo FBA-6

Threads M10x1, 1/8"BSP, 1/4"BSP



Connector Block FCB-4

For joining two tubes of 4mm OD



Connector Block FCB-6

For joining two tubes of 6mm OD



Tee Block FTB-4

For dividing 4mm OD tube into two lines



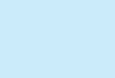
Tee Block FTB-6

For dividing 6mm OD tube into two lines



Cross Block FCR-4

For dividing 4mm OD tube into three lines



Cross Block FCR-6

For dividing 6mm OD tube into three lines



Elbow Block FEB-4

For joining two tubes at right angle 4mm OD

Elbow Block FEB-6

For joining two tubes at right angle 6mm OD

Plugs



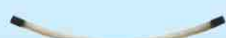
Thread size M8x1, M10x1, 1/8"BSP, 1/4"BSP

Clamps



C-4-1	To clamp single 4mm OD tube
C-4-2	To clamp two 4mm OD tube
C-4-3	To clamp three 4mm OD tube
C-6-1	To clamp single 6mm OD tube
C-6-2	To clamp two 6mm OD tube

TUBING 4mm & 6mm OD TUBE



Nylon Tube (natural)

OD size: 4, 6, 8, 10mm



Steel Tube Copper Coated

OD size: 4, 6, 8mm



Protection Coil

PC-4 (To protect 4mm Nylon tube) PC-6 (To protect 6mm Nylon tube)



Hose

Rubber Hoses with 4mm / 6mm OD steel ends. (Available in lengths as per customer's requirement)

TIMER

Model	Description
Timer ETW - 5 (Wall Mounted)	On Time 5 Second FIX Off Time 1,2,4,8,16,32,64,128 min. Settable
Timer ETC - 5 (Channel Mounted)	On Time 5 Second FIX Off Time 1,2,4,8,16,32,64,128 min. Settable



CONTROLLER

Model	Description
Controller EC-5 (Channel Mounted)	ON time 5 sec. (fixed) (After pressure switch Signal) OFF time 2, 4,8,16, 32, 64,128,256 Minute. With lubrication fault and low oil level signal



THROTTLE VALVE

Model	TV - 1	TV - 2	TV - 3
Discharge	20 drops per minute	30 drops per minute	50 drops per minute



The THROTTLE VALVES are available in input thread size like 1/8" BSP, M8x1 and the outlet is suitable for 4mm OD tube.

PNEUMATIC OIL PUMP

Model	Reservoir Capacity	Discharge	Outlet Pressure	Required Input Air Pressure
PN-600-6	600 mL.	6 cc	15 Kg/cm ²	4 Kg/cm ²
PN-1700-10	1700 mL.	10 cc	15 Kg/cm ²	4 Kg/cm ²
PN-3000-10-VFS	3000 mL.	10 cc	15 Kg/cm ²	4 Kg/cm ²



These are piston type pumps. Can be successfully used with the help of compressed air power. These pumps are operated intermittently with the help of a direction controlled valve & by a timer.

AIR OIL MIST LUBRICATORS

Model : AOML-1500

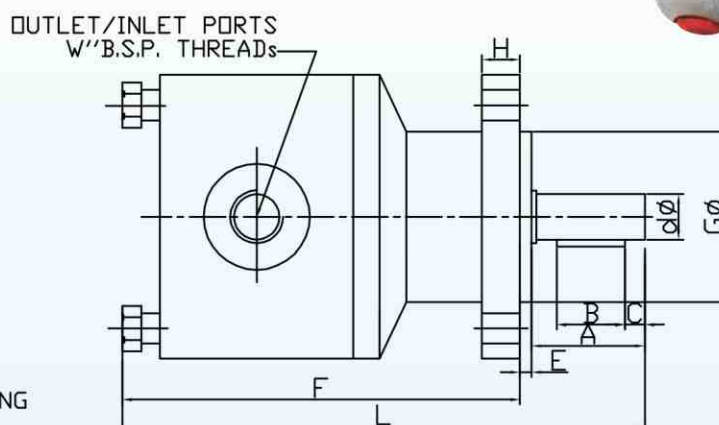
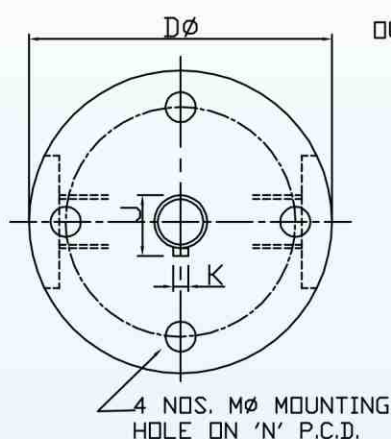
- Reservoir Capacity 1.5 Liter
- Input air pressure 3 to 5 Kg/cm² with relief valve to safe guard the system.
- Discharge of oil & air can be adjusted with the help of flow adjustment valve as per requirement.



ROTARY PUMPS

Flange Type (Non Reversible)

Pressure 15 Kg/Cm²



NON-REVERSIBLE TYPE



DIMENSIONS ARE IN MM

Model	Discharge at 1500 RPM	A	B	C	D	d	E	F	G	H	J	K	L	M	N	W" in B.S.P.
FRP-1	1 LPM	22	16	3	60	10	2	70	35	7	11.5	3	95	6.5	45	1/4"
FRP-3	3 LPM	22	16	3	60	10	2	75	35	7	11.5	3	100	6.5	45	1/4"
FRP-4	4 LPM	30	18	6	80	12	3	90	45	10	14	4	127	8.5	65	1/4"
FRP-6	6 LPM	30	18	6	80	12	3	95	45	10	14	4	130	8.5	65	3/8" (1/4")
FRP-10	10 LPM	30	18	6	80	12	3	105	45	10	14	4	140	8.5	65	1/2" (3/8")
FRP-16	16 LPM	40	25	7	115	14	4	120	65	14	16	5	150	9	95	1/2"
FRP-25	25 LPM	40	25	7	115	14	4	135	65	14	16	5	165	9	95	1/2"

Flange Type (Reversible)

Pressure 15 Kg/Cm²



Model	Discharge at 1500 RPM	A	B	C	D	d	E	F	G	H	J	K	L	M	N	W" in B.S.P.
FRP-3-R	3 LPM	22	16	3	70	10	2	75	35	7	11.5	3	100	6.5	45	1/4"
FRP-6-R	6 LPM	30	18	6	92	12	3	95	45	10	14	4	130	8.5	65	1/4" (3/8")
FRP-10-R	10 LPM	30	18	6	92	12	3	105	45	10	14	4	140	8.5	65	1/2" (3/8")

Insert Type (Reversible)

Pressure 15 Kg/Cm²



Model : IRP-3-R

Pump OD 70mm
 Insert OD 35mm
 Shaft OD 10 mm
 Shaft Slot 6 mm
 Input/Output 1/4" BSP
 Mounting Centre 57.5mm
 Total Length 88mm

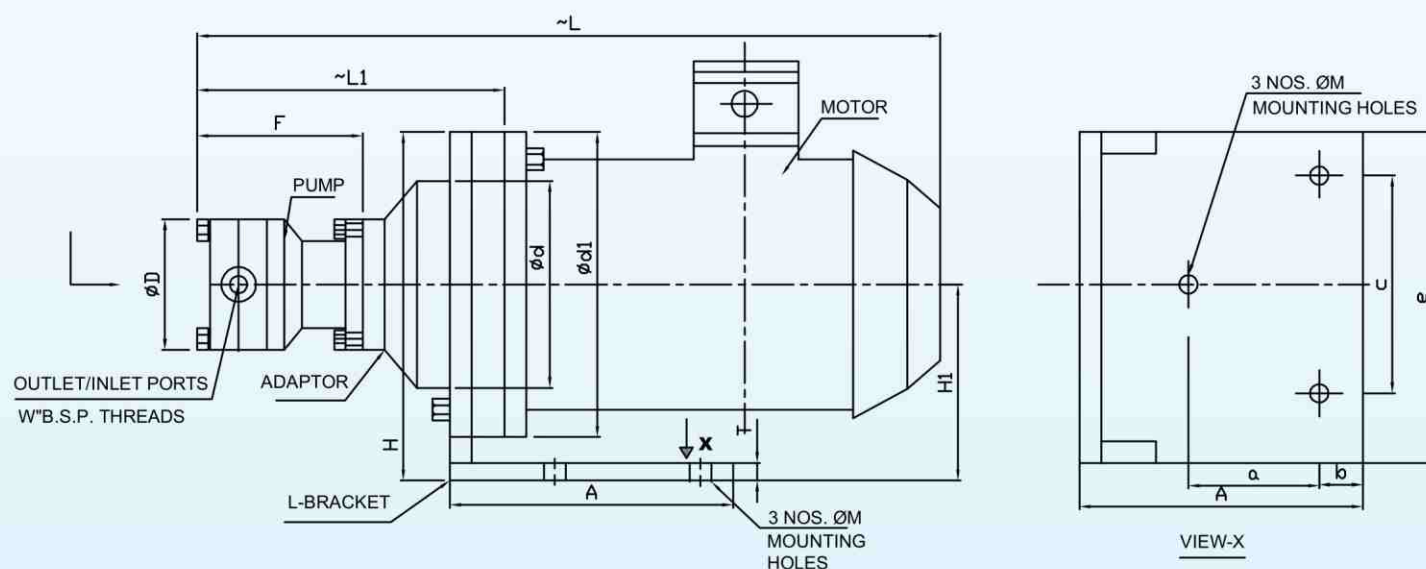
These are gerotor type pumps with positive displacement of oil. They are suitable for various purpose which require low discharge, medium pressure oil pumps, such as lubrication of gear-box, headstocks, transfer of oil, low pressure hydraulic power packs rotary oil filters etc. The pumps are suitable for oil with viscosity range 30-1000 CST / 40° C.



MOTOR PUMP ASSEMBLY (for Oil Recirculating)



Motor Pump Assembly with L Bracket



Model		Motor Rating in H.P. (1500 RPM 415 V)	Pump Model	Pump Capacity in LPM	Maximum Pressure in Kgs/ Cm ²	Dimension Details in mm															
						D	d	d1	A	L	L1	F	H	H1	M	T	a	b	c	e	W" in BSP
MPAL-1	0.25	0.25	FRP-1	1	15	60	95	140	130	335	132	70	160	90	8.5	8	60	20	100	140	1/4"
MPAL-3	0.25	0.25	FRP-3	3	15	60	95	140	130	340	144	75	160	90	8.5	8	60	20	100	140	1/4"
MPAL-4	0.25	0.25	FRP-4	4	10	80	95	140	130	370	169	90	160	90	8.5	8	60	20	100	140	1/4"
MPAL-6	0.25	0.25	FRP-6	6	5	80	95	140	130	375	174	95	160	90	8.5	8	60	20	100	140	3/8"(1/4")
MPAL-6	0.5	0.5	FRP-6	6	15	80	95	160	130	405	174	95	190	100	8.5	8	75	20	120	160	3/8"(1/4")
MPAL-10	0.5	0.5	FRP-10	10	10	80	95	160	130	420	174	105	190	100	8.5	8	75	20	120	160	1/2"(3/8")
MPAL-10	1	1	FRP-10	10	15	80	95	200	160	420	193	105	225	125	10.5	8	80	25	160	200	1/2"(3/8")
MPAL-16	1	1	FRP-16	16	10	115	115	200	160	465	208	120	225	125	10.5	8	80	25	160	200	1/2"
MPAL-16	1.5	1.5	FRP-16	16	15	115	115	200	160	485	228	120	225	125	10.5	8	80	25	160	200	1/2"
MPAL-25	1	1	FRP-25	25	5	115	115	200	160	480	223	135	225	125	10.5	8	80	25	160	200	1/2"
MPAL-25	1.5	1.5	FRP-25	25	10	115	115	200	160	500	243	135	225	125	10.5	8	80	25	160	200	1/2"

Note : These assemblies are available without L Bracket also (i.e. flange type)

MANUAL GREASE PUMP

Model	Reservoir Capacity	Reservoir Type	Discharge Per Stroke	Max. Pressure
MGP-600-2	0.600 Kg.	Transparent	2gm.	60 Kg/Cm ²
MGP-1500-6	1.500 Kg.	Transparent	6gm.	80 Kg/Cm ²

Note : To deliver each greasing point equal quantity grease Progressive block should be use must necessary.



PNEUMATIC GREASE PUMP

TECHNICAL SPECIFICATION

Model	PN-GP-1500-6
Reservoir Material Acrylic	Transparent
Reservoir Capacity	1.5 Kg.
Discharge Per Stroke (Adjustable)	0-6 gm.
Input Pneumatic Pressure	4-6 Kg / Cm ²
Maximum Output Grease Pressure	100 Kg / Cm ²
Minimum Frequency of Operation	1 Minute
Output Port Size	1/4" BSP
SIZE : L x W x H in MM (Approximate)	275 x 160 x 280



When compressed air is applied at port 'A' of pneumatic cylinder grease is sucked through the suction port. With the help of a direction control valve & a timer compressed air is applied at port 'B' with regular intervals grease pumps out under pressure through a inbuilt check valve. This grease is supplied to the grease pipelines.

Note : Solenoid valve, timer & distribution accessories are not supplied with pump unless specified.

MONO PROGRESSIVE BLOCK MPB-Series

Model	No. of Outlets	Dimension in MM		
		L	W	H
MPB - 6	6	60	75	32
MPB - 8	8	75	75	32
MPB - 10	10	90	75	32
MPB - 12	12	105	75	32
MPB - 14	14	120	75	32



1. Minimum operating pressure (For Grease 20Kg.)
2. Input Output 1/8" BSP suitable for 6mm OD tube.
3. The Discharge of these blocks are fixed at 0.25cc/Stroke
4. There is a provision for pin indication i.e. indication of working of block. This pin indication can be used for operating proximity and micro switch.
5. Indicator pin is provided as optional.
6. The mounting Centre (20mm) of the block is done with the help of 2 screws of 5mm.

Multipoint Radial Lubricator Model

Model	MRL-5-4	MRL-10-6	MRL-15-12
Reservoir Cap. / No. of Outlet	5kg. / 4	10kg. / 6	15kg. / 12
*Delivery Pressure 300 Kg/Cm ² *Dose of pump element adjustable 0.05 to 0.25cc			
*Gear box reduction Ratio 70:1 *Elect. Motor 0.25HP 415V 3Ph. Foot mounted.			



Electric Grease Pump: Model: EGP-2000-24V

This pump with Reservoir capacity 2.0 kg. made of acrylic. It is operated by power supply 24 V DC electric motor. Discharge of grease 5gms./ minute, pressure of grease 75 Kg/Cm², Outlet 1/4" BSP suitable for 6mm OD tube, Normally this systems runs periodically or run as per machine requirement. Suitable for Liquid Grease 0,00,000.



SPARES

Float Switch

- 01. Float Switch Vertical : For sensing Oil level electrically with NO or NC contact 24V
- 02. Float Switch Horizontal : For sensing Oil level electrically with NO or NC contact 220V

Pressure Switch

- 01. PS 5-25 Pressure Range 5 to 25 Kg/Cm²
- 02. PS 8-30 Pressure Range 8 to 30 Kg/Cm²



Locking Cone	Locking Screw	Sealing Washer	Pressure Gauge	Suction Strainer
FLC-4 FLC-6	FLS-4 FLS-6	FSW - 8mm FSW - 10mm FSW - 1/4" BSP	Dial Size 50mm bottom connection 1/8" NPT, Pressure range 0-35 Kg & 0-10 Kg	Connection OD 6mm, 10mm 1/4" BSP (F) 1/2" BSP (F)
				

Manufacturer

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