

Built for Severe-Duty Environments

The Lube Master is a rugged pump package designed for demanding applications. The adjustable output and anti-friction drive bearings make it both reliable and efficient. Rugged cast aluminum main body and heavy-duty internal components deliver consistent performance in harsh applications. With several reservoir choices and accessories to choose from, the Lube Master pump can be easily customized to meet virtually all application needs.

Electric Pumps

Continuous Duty

1/2 hp motors in 1 phase or 3 phase, choose from two different RPMs for each.

Drive and Mounting Base

Choose from two gearbox ratios to configure your flowrate range. Choose floor mount or wall mount.

Reservoir Options

For oil or grease, 12 or 20 pint/pound, plastic or metal.

Low Level Switch Options

Available for both oil and grease reservoirs.

Adjustable Pump Displacement

Set the pump output with the turn of a wrench.



Typical Applications

- Cement plants
- Paper processing
- Steel mills
- Other harsh environments

Typical Fluids

- Oil
- Grease up to NLGI #2

Technical Specifications

Cycle Rate	1-175 strokes per minute
Output Volume per minute	See chart below
Max Output Pressure	5,000 psi (340 bar)
Material	Plastic or metal, cylindrical
Reservoir Size	Oil – 12 pint, 20 pint / Grease – 12 lb, 20 lb
Motor	115/230 VAC, 230/460 VAC, 60 Hz
Instruction Manual	3A2781

Theoretical Calculated Discharges of Lube Master

	60:1 Gear Ratio		10:1 Gear Ratio	
	Discharge Output in³ (cm³)			
Motor Speed (RPM)	Minimum	Maximum	Minimum	Maximum
1,140	0.19 (3.11)	0.95 (15.57)	1.14 (18.69)	5.7 (93.42)
1,725	0.28 (4.59)	1.48 (23.44)	1.72 (28.19)	8.62 (141.28)

Ordering Information

Popular Lube Master Assembly Models

Pressure Gauge 2007096 is included with every LMxxxx assembly.

Grease Packages




Part Number	Reservoir		Base Mounting Configuration	Drive Ratio	Motor – All motors are 1/2 hp, 60 Hz		Low Level Switch
	Material	Capacity			RPM	Voltage	
LM6334	Plastic	20 pound	Floor	10:1	1,725	230/460 VAC, 3-phase	SPDT, 15 amp
LM6544			Wall	60:1	1,140	115/230 VAC, 1-phase	SPDT, 15 amp
LM6611					None		None
LM7311	Metal	12 pound	Floor	10:1	None		None
LM7354					1,140	230/460 VAC, 3-phase	SPDT, 15 amp
LM7534			60:1	1,725	230/460 VAC, 3-phase	SPDT, 15 amp	
LM8534		20 pound	Floor	60:1	1,725	230/460 VAC, 3-phase	SPDT, 15 amp
LM8544					1,140	115/230 VAC, 1-phase	SPDT, 15 amp

Oil Packages

Part Number	Reservoir		Base Mounting Configuration	Drive Ratio	Motor – All motors are 1/2 hp, 60 Hz		Low Level Switch
	Material	Capacity			RPM	Voltage	
LM2536	Plastic	20 pint	Floor	60:1	1,725	230/460 VAC, 3-phase	SPST, 10 watt
LM4333				10:1	1,725	230/460 VAC, 3-phase	SPDT, 15 amp
LM9511	Metal	Overhead Supply		60:1	None		None
LM9521					1,725	115/230 VAC, 1-phase	None



Accessories

Pressure Indicators

	Grease – Aluminum-colored disk, 2,350 PSI (162 bar)	Oil – Yellow-colored disk, 1,450 PSI (100 bar)	Description
	563184	563179	Standard blowout fitting
	563385	563384	High-pressure blowout switch kit*
	563965	563962	Package of 6 blowout disks



*Each kit requires approximately 3 ft of 1/4 in OD copper tubing, not included.

Low Level Switches – Grease

	Part Number	Description
	563322	Standard SPDT, 15 amp switch kit, mounts to top of all grease reservoirs
	564318	High/low level switch kit, for metal grease reservoirs only
	564377	Explosion-proof LL switch for grease reservoirs. (Class I, Group C and D; Class II, Group E, F and G)




Ordering Information

Low Level Switches – Oil


	12 Pint	20 Pint	Description
	563015	563016	SPST, 10 watt, most popular option
	563316	563317	SPDT, 15 amp, for use with heavy or stringy oils

Pump Repair Kits

At the heart of all current Lube Master pump packages is pump part number 563380. There are three repair kits for the pump and some of the parts overlap because each kit includes some of the same seals. To completely rebuild the pump, all three kits are required and some extra parts will remain because of this overlap.


	Part Number	Description
	563915	Driveshaft Kit. Includes the driveshaft, cam, bearings and related seals and hardware.
	563921	Seal Kit. Includes seals and small hardware.
	563916	Standard Output Manifold Kit. Includes pump piston and cylinder, output manifold block and related seals and hardware.

Reservoir Repair Kits

	Part Number	Description
	562902	Polycarbonate tube with u-cup seal for part numbers 562892 (12 pt) and 562896 (12 lb).
	562903	Polycarbonate tube with u-cup seal for part numbers 562893 (20 pt) and 562897 (20 lb).

Replacement Gear Reducers

Floor Mount and Wall Mount drives use the same gear reducers.

	Part Number	Description
	557160	10:1 Gear Reducer
	557161	60:1 Gear Reducer

Ordering Information

Lube Master Ordering Menu Code

Use the Smart Numbering System to order a complete assembly! The six-digit Smart Numbering System can help you order quickly and accurately. Simply follow the diagram for the configuration you want and build your order. Alternatively, use the part numbers at right to order individual components and assemble them in the field.

Code	Former Code	Description	Part Number	LM	Reservoir	Drive	Motor	Low Level
Product Identifier					X	X	X	X
LM	LUB	LM = Lube Master	563380					
Note: When ordering Lube Master bare pump 563380 for use with a grease reservoir, a fill stud is required (part number 557374). Fill stud 557374 is compatible with mating coupler 558906. Order separately.								
Reservoir Options								
1	OPA	12 pt plastic oil reservoir	562892					
2	OPB	20 pt plastic oil reservoir	562893					
4	OMB	20 pt metal oil reservoir	562895					
5	GPA	12 lb plastic grease reservoir	562896					
6	GPB	20 lb plastic grease reservoir	562897					
7	GMA	12 lb metal grease reservoir	562898					
8	GMB	20 lb metal grease reservoir	562899					
9	OHS	Power Prime/Overhead Supply	562908					
Drive Options								
1	DOO	No drive	N/A					
2	DOA	Clutch drive with ratchet arm	563383					
3	DOB	10:1 reduction, floor-mounting base	563388					
4	DOC	10:1 reduction, wall-mounting base	563386					
5	DOD	60:1 reduction, floor-mounting base	563389					
6	DOE	60:1 reduction, wall-mounting base	563387					
Note: Drive Options 3, 4, 5, and 6 each contain all required mounting hardware (mounting plate, coupler, coupler guard, nuts, bolts, and washers).								
Motor Options								
1	MOO	No motor	N/A					
2	MOA	1/2 HP, 115/230 VAC, single phase, 60 Hz, 1,725 rpm	557271					
3	MOB	1/2 HP, 230/460 VAC, 3-phase, 60 Hz, 1,725 rpm	557270					
4	MOC	1/2 HP, 115/230 VAC, single phase, 60 Hz, 1,140 rpm	557272					
5	MOD	1/2 HP, 230/460 VAC, 3-phase, 60 Hz, 1,140 rpm	557273					
Low Level Options								
1	LOO	No level switch	N/A					
2	LOA	12 pt oil, SPDT, 15 amps	563316					
3	LOB	20 pt oil, SPDT, 15 amps	563317					
4	LOC	12 and 20 lb grease, SPDT	563322					
5	LOE	12 pt oil, SPST, 10 watts	563015					
6	LOF	20 pt oil, SPST, 10 watts	563016					
N/A*	N/A	High/low level switch kit (for METAL grease reservoirs only)	564318					
N/A*	LOH	Explosion-proof LL switch for grease reservoirs. (Class I, Group C and D; Class II, Group E, F, and G)	564377					

*564318 and 564377 are sold separately and field-installed. Choose option "1" and then order either part separately.

Pressure Gauge (included)			
N/A	G1	No gauge	N/A
N/A	G3	Liquid-filled 0-3000 psi gauge	2007096

Note: 2007096 is included with every LMxxx assembly, but not with the bare pump.

Pressure Indicators (sold separately, but required for safety)			
N/A	POA	Standard Blowout, 1,450 psi (100 bar), Oil	563179
N/A	POB	Standard Blowout, 2,350 psi (162 bar) Grease	563184
N/A	POC	High-Pressure Blowout Switch, 1,450 psi (100 bar), Oil	563384
N/A	POD	High-Pressure Blowout Switch, 2,350 psi (162 bar), Grease	563385

Note: Options POC and POD require approximately 3 feet of 1/4 in OD copper tubing, which must be obtained from a 3rd party source.