

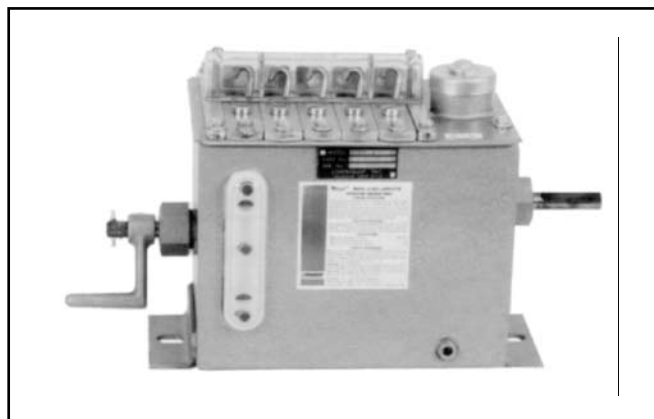
Manzel® Model 25 Lubricator

DESCRIPTION

Manzel Model 25 Force Feed Lubricators are economical, general-purpose units of double plunger design for precise metering of lubricants (either mineral oil base or synthetics). They provide lubrication to cylinder walls, bearings and other moving parts of equipment such as sugar mills, steam engines, presses and general machinery. They are furnished with Clear-Vue Pumping Units whose sight feeds, operating at atmospheric pressure, show the output of lubricant to individual points of lubrication. All working parts are totally enclosed—away from dust, water and impurities—and self-lubricated at all times by the lubricant in the reservoir. Standard Lubricators may be had in 1 to 20 feeds for feeding the same type of lubricant. A choice of Drives and Mounting Arrangements facilitates designing Lubricators into Original Equipment or installation on existing machinery. These can be driven from rotating or reciprocating parts of machines or engines or by independent motors.

FEATURES/BENEFITS

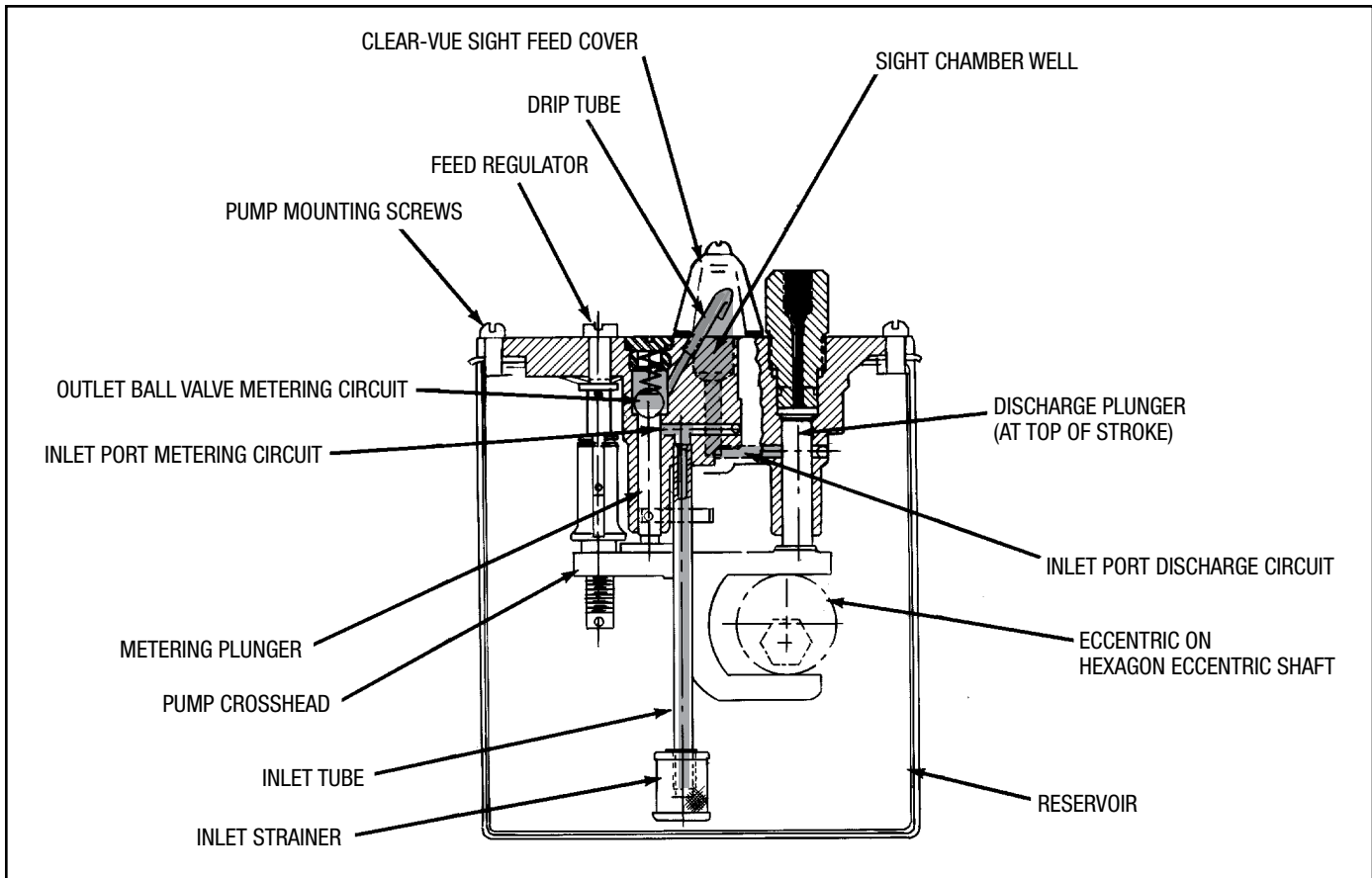
- **General-Purpose Lubrication:** automatic, precision metering for all types of machinery.
- **Pressures:** Up to 1000 psi
- **Type Pumping Unit:** Clear-Vue. Sight Feed Chamber functions at atmospheric pressure. Shows amount of lubricant being pumped.
- **Unitized Construction:** Contains complete feed regulating mechanism. Equipped with inlet strainer.
- **Number of Feeds:** 1 to 20 per Lubricator, standard.
- **Displacement, Output:** 1/4 to 12 drops per stroke with 5/16 in plunger; 1/6 to 6 drops per stroke with 3/16 in plunger.
- **Available Drives:** Direct Rotary (1:1), Ratchet, 37.5:1 and 75:1 internal gear reductions.
- **Reservoirs:** Single Compartment, sheet metal construction.
- **Feed Regulator:** External screw-type precisely adjustable while idle or in operation.
- **Removable Pumping Unit:** Self contained. All units interchangeable - remove two pump screws and lift out.
- **Hand Crank:** Standard. Convenient for rapid priming of lines before start-up or for momentarily increasing supply of lubricant. Does not affect adjustment or individual pumping units. Replaces obsolete Kipp Model 50 Box Lubricators.



SPECIFICATIONS

| | |
|------------------------------|---|
| Reservoir | Heavy-gauge fabrication sheet steel |
| Cylinder | Cast iron |
| Plunger | 416 hardened SS, precision-ground |
| Valve | Hardened stainless steel balls |
| Eccentrics | Sintered metal, single throw on hexagon eccentric shaft |
| Gaskets, Seals | Standard for mineral oil base lubricants. Special materials available for synthetics |
| Filler Cup | Round with vents and strainer |
| Discharge Check Valve | Double ball discharge check valve assembly with 1/4 in NPSF vertical outlet |
| Finish | All ferrous metal drive parts Parco-Lubrited. Reservoir exterior, cover and pumps painted with durable hammertone gray finish. Nickel plate, available. |

ASSEMBLY



OPERATION

CLEAR-VUE PUMPING UNIT – Model 25 Lubricators operate on a double plunger pump principle with a metering and a discharge plunger actuated through a yoke by an eccentric on the eccentric shaft. The metering plunger controls the amount of lubricant fed to the discharge plunger. This metered amount is adjusted by means of an external Feed Regulator Screw, which adjusts the stroke length. The lowermost position of the plunger is varied by the Feed Regulator Screw, however the uppermost position to which the plunger rises remains constant.

On the downstroke, the metering plunger draws lubricant up through the inlet tube, over the inlet valves and into the metering pump cylinder. On the upstroke, the metering plunger seats its inlet valves and opens its spring-loaded outlet valve forcing the metered amount of lubricant, at low pressure, out the drip tube into the Sight Chamber Well at atmospheric pressure. On the same downstroke, the discharge plunger opens the cross port to the Well and draws the metered amount of lubricant into the discharge pump cylinder. This path is shown in light blue on the Assembly Drawing.

Finally, on the upstroke, the discharge plunger closes the cross port from the Sight Well and forces the metered amounts of lubricant over the discharge valves and into the line, as shown in solid blue on the Assembly Drawing.

CLEAR-VUE – Sight Feed Chamber contains no “sight feed fluid” and functions at atmospheric pressure. Molded glass sight cover and dust shield in various lengths for 1 to 8 pumping units. Drip tube for each line indicates amount of lubricant fed each point of lubrication.

NOTE: Due to design characteristics, the Model 25 pump can only be used in pump to point system. Components such as flow sensors and divider valves should not be used. Only check valves are permitted between the pump and the lube point.

OPERATING INSTRUCTIONS

LUBRICATOR INSTALLATION AND OPERATION – The Manzel Model 25 Lubricator consists of a metal reservoir which contains the drive mechanism, ratchet or rotary, the individual pump units and accessory equipment as ordered.

The Lubricator should be solidly mounted and aligned to connect the drive shaft to the proper stroking or rotary motion. This drive motion, through the Lubricator drive, should operate the Lubricator eccentric and hand crank shaft between 3 and 60 RPM. There is one pump stroke for every revolution of the hand crank shaft, which is an extension of the eccentric shaft. The proper eccentric shaft RPM should be determined from the required maximum and minimum pump feed rates. The RPM selected should be such that, when each pump is set at its required feed rate, the feed rate can still be increased or decreased by the feed regulator screw. In most cases, due to the wide adjustment of the pump units, there will be considerable allowance in the selection of the proper eccentric shaft speed.

Note: this eccentric shaft speed will seldom be the same as the Input shaft speed, but will always be the same speed as the hand crank shaft extension.

The individual pumps operate on a double plunger principle with the metering and discharge plungers actuated through a yoke or crosshead by an eccentric on the eccentric shaft. The small or metering plunger draws a metered amount of oil from the reservoir over the inlet ball valves and forces it over the outlet ball valve through the drip tube and into the clear-vue sight well at atmospheric pressure. The discharge plunger draws the metered amount of oil along with air from the sight well over the inlet sleeve valve and forces this mixture over the ball discharge valves toward the point of lubrication. The stroke of the small metering plunger is varied to change the metered oil intake by means of the external feed regulator screw. The stroke of the discharge plunger is constant.

IMPORTANT—KEEP LUBRICATOR CLEAN – First, use only new or filtered lubricant. Periodic cleaning of the Lubricator is recommended, since lubricant is subject to fouling from atmospheric dusts and additives. To do this, remove all pumping units; clean them and the reservoir by dipping and brushing in a cleaning solvent. Clean all lubrication tubing and check valves thoroughly at the same time. Next, recharge Lubricator and bleed lubrication lines at terminal check valve to assure full lubrication before putting equipment back into operation.

STARTING INSTRUCTIONS – Fill Lubricator reservoir with new or filtered lubricant to top of reservoir gauge glass. For initial start-up, adjust pump for maximum delivery by turning feed regulator as indicated by directional arrow. Then, operate pumps at this setting and bleed lubrication lines at terminal check valve to assure full lubrication. The Lubricator is now ready for operation.

FEED RATE REGULATION – Each pumping unit is regulated independently by means of a feed regulator. To decrease the feed, turn the feed regulator clockwise. To increase the feed, turn counter-clockwise. (Follow directional arrow.)

HAND CRANK OPERATION – The hand crank on the end of the Lubricator is for use before starting or for momentarily increasing lubricant supply while the Lubricator is in operation. It operates all feeds at once, but does not affect feed regulation.

PUMP REMOVAL AND REPLACEMENT – To remove a pump, stop the Lubricator. Remove the discharge line connection and the pump mounting screws. Next, loosen the adjacent pump mounting screws. Lift out front end of pump (end with feed regulator screw) pulling it forward and upward at the same time. This will allow the yoke or crosshead to clear the eccentric and the pump can be lifted out. Before replacing a pump, position yoke down as far as possible and then reverse the above procedure.

TROUBLESHOOTING OVERFLOWING SIGHTWELL – If the pump sight well fills and overflows into adjacent sight wells, the cause is dirty or inoperative pump discharge valves. To correct:

1. Flush discharge check valves.
 - a. Turn feed regulator to full open.
 - b. Operate hand crank rapidly.
2. Remove discharge check valves if condition still exists.
 - a. Shut down unit or turn feed regulator to full closed.
 - b. Remove discharge line connections.
 - c. Remove outlet connection from pump unit.
 - d. Remove check valve. Clean and reseal, if necessary, (care must be exercised to prevent marking the bottom surfaces when reseating) or replace as conditions require.
 - e. Check top and bottom surfaces of the check valve. These must be free from radial nicks and scratches, as these surfaces seal against the discharge pressure. Any leakage around the threads of the outlet connection can be traced back to dirty or marked check valve cage, outlet connection, or cylinder sealing surfaces.
 - f. Install check in pump housing. Make sure the ball and spring side of the cage faces up.
 - g. Replace outlet connection.
 - h. Replace discharge line connection and put pump back in operation.

ERRATIC PERFORMANCE– Make sure the sight glass is open to atmospheric pressure through the felt gasket between the glass and reservoir. These pumps must be able to bring air into the sight chamber through this gasket. Make certain it is not contaminated with paint or dirt.

GAUGE GLASS LEAKAGE – Drain Lubricator, check for leaks, and replace level sight/gasket if necessary.

SYNTHETIC LUBRICANTS – In general, the use of synthetic lubricants will require that the standard neoprene and Buna-N gaskets and seals for petroleum base lubricants be replaced with Butyl rubber gaskets and seals, Refer to Parts List for the part numbers of the gaskets for use with synthetic lubricants.

MODEL 25 PUMP SPECIFICATIONS

| NO. OF FIELDS ■ | PLUN-GER | PUMP-ING UNITS | PUMPING UNIT CHARACTERISTICS ● | | | | | | | | | | | | LUBRICANTS MINERAL OILS AND SYNTHETICS ◐ | |
|------------------------|---------------------------|---------------------------------------|--------------------------------|--------------|----------------|---------------|---------------|---------------|--------------|--------------|------------------------------|----|------------|-----------|---|------------|
| | | | OPERATIONAL | | | | | | | | | | | | | |
| RANGE: 1-MAX. | NOMINAL DIAMETER (Inches) | TYPES AVAILABLE (See Legend Above) | MAX. OPERATING PRESSURE-PSI | DROPS/STROKE | CU. IN./STROKE | C.C./STROKE | DROPS/PINT | DROPS/CU. IN. | DROPS/C.C. | STROKES/MIN. | VISCOSITY (SSU @ 100°F) ◐ | | | | | |
| 20 | 5/16 | ● | 1000 | 12 MAX. | 1/4 MIN. | .0245 MAX. | .0005 MIN. | .399 MAX. | .008 MIN. | 14.115 | 490 | 30 | 60 MAX. | 3 MIN. | 5000 MAX. | 80 MIN. |
| | 3/16 | ● | 1000 | 6 MAX. | 1/6 MIN. | .0122 MAX. | .0003 MIN. | .199 MAX. | .005 MIN. | 14.115 | 490 | 30 | 60 MAX. | 3 MIN. | | |

- ☐ Standard maximums regularly in production. Where additional feeds are required, contact factory.
- ① All displacements based on SAE30 Oil (SSU @ 100°F) at room temperature.
- ▲ The capacities of reservoirs are originally determined by the number of feeds. Larger ones available on request.
- Ⓒ Special sight glass and gasket materials required. All surfaces in contact with lubricant must be free of paint.
- ☐ Approximate Viscosities--SAE 10=200 SSU @ 100°F; 600W=2000 SSU @ 100°F
- ★ Manzel Lube Line Alert or Lube Sentry should not be used with the Model 25 Box Lubricator. Contact factory for complete details.

DRIVES

DIRECT ROTARY – (1:1) Shaft located either or both ends.

STANDARD RATCHET – (See Graph for drive ratio per degree stroke.) Two variations available: (a) Shaft located either end. The drive reduction ratio depends on the degree stroke taken on the input shaft from a minimum of 13° for a 37-1/2:1 ratio to a maximum of 90° for a 4-1/6:1 ratio. (b) Shaft located front or rear. The drive ratio depends on the degree stroke taken on the input shaft from a minimum of 13° for a 37-1/2:1 ratio to a maximum of 38° for a 9.4:1 ratio.

REDUCED ROTARY DRIVES – 37.5: 1 or 75: 1 internal geared reducers. Available in right or left hand end drive configurations with primer hand on opposite end to drives.

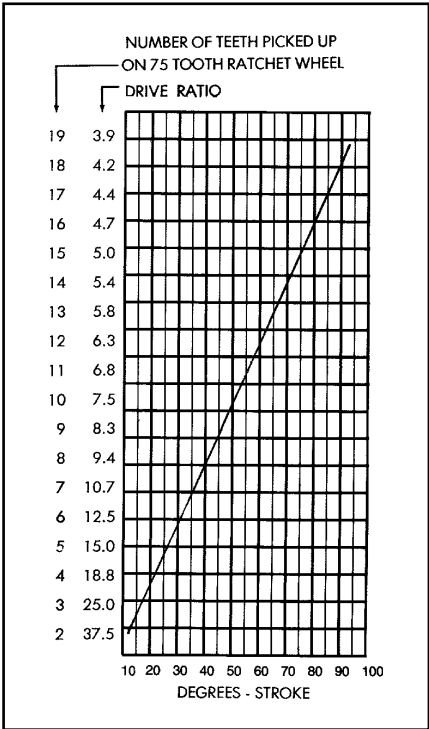
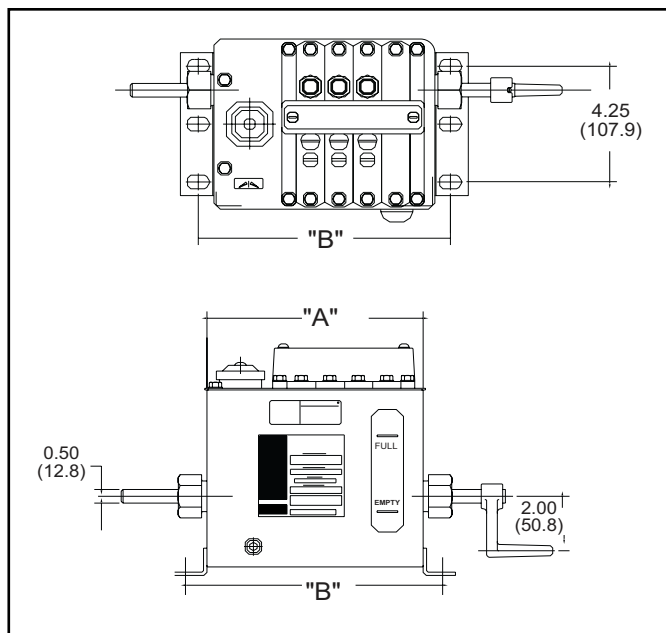


CHART: DRIVE RATIO PER DEGREE STROKE

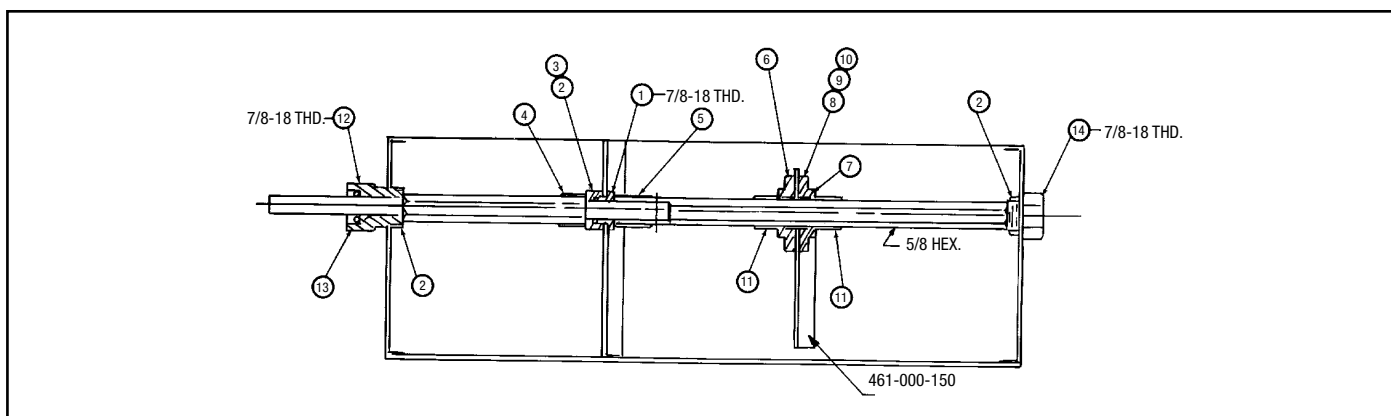
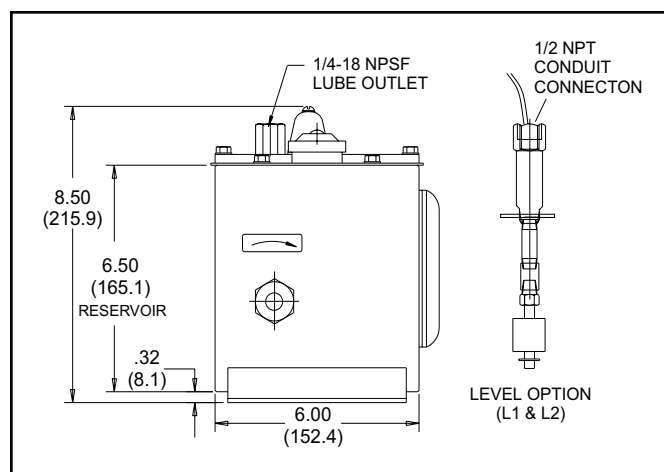
DIMENSIONS

To establish installation requirements, determine the desired number of feeds, the corresponding reservoir length, the capacity, the center-to-center distance of mounting holes, and the drive shaft location.



| No. of Feeds | Reservoir Length (A) | C to C or End Lugs (B) | Approx Capacity Pints |
|--------------|----------------------|------------------------|-----------------------|
| 1 - 4 | 7-9/32 in | 8-27/32 in | 6-1/4 |
| 5 - 8 | 11-19/32 in | 12-27/32 in | 9-1/4 |
| 9 - 12 | 16-19/32 in | 17-27/32 in | 13 |
| 13 - 16 | 20-19/32 in | 21-27/32 in | 16 |
| 17 - 20 | 25-19/32 in | 26-27/32 in | 19-3/4 |

Table makes dimensional allowance of 1 in for each Center Bearing, evenly spaced between pumping unit groups of 8.



| SEALED COMPT. OPTION | | |
|----------------------|----------|--------------|
| Description | Part No. | Old Part No. |
| (1) Bearing | 560146 | 402-080-020 |
| (2) Nut | 560155 | 410-700-050 |
| (3) Packing | 556752 | 439-079-230 |
| (4) Spacer | 560229 | 424-050-180 |
| (5) Spacer | — | 424-050-200 |

| BEARING SUPPORT OPTION | | |
|------------------------|----------|--------------|
| Description | Part No. | Old Part No. |
| (6) Bearing | 560142 | 402-060-000 |
| (7) Bushing | 560143 | 402-060-010 |
| (8) Bearing | 560144 | 402-060-070 |
| (9) Screw | 558647 | 415-020-020 |
| (10) L'Washer | 558685 | 421-060-080 |
| (11) Spacer | 560229 | 424-050-180 |

| END BEARING | | |
|---------------|----------|--------------|
| Description | Part No. | Old Part No. |
| (12) Bearing | 560133 | 402-040-000 |
| (13) Oil Seal | 556575 | 423-010-180 |
| (14) Bearing | 560128 | 402-000-040 |

MODEL 25 BOX LUBRICATOR PART NUMBER CONVERSION CHART

| ORDERING INFORMATION | | |
|--|----------|--------------|
| Description | Part No. | Old Part No. |
| 5/16 in Complete Pump | 562950 | 321-410-015 |
| 3/16 in Complete Pump | 562949 | 321-210-015 |
| Friction Plug Spring Assembly | — | 428-165-021 |
| Discharge Valve Assembly (Cage) | 563081 | 463-920-580 |
| Regulating Fork Ring | 556492 | 418-700-240 |
| Regulating Fork Screw | 556790 | 453-030-010 |
| Regulating Stem | — | 435-030-020 |
| Regulating Stem Washer | 556524 | 421-700-230 |
| Regulating Stem Spring | 557006 | 458-165-030 |
| Vertical Outlet 1/8 in NPTF | — | 480-000-180 |
| Spring, Outlet Valve | 556942 | 458-005-310 |
| Cylinder Plug | 560260 | 437-700-400 |
| Cylinder Plug Washer | 556730 | 439-075-190 |
| Suction Valve Assembly | — | 463-920-091 |
| Strainer | 563101 | 473-020-091 |
| 3/16 in dia Ball | — | 410-010-030 |
| 9/32 in dia Ball | — | 401-010-060 |
| Drip Tube | 560241 | 433-700-520 |
| 3/8 in dia Ball, Outlet Valve | — | 401-010-090 |
| Groove Pin Regulating Fork | — | 411-030-400 |
| Flareless 1/8 NPTF 1/4 in O.D. Straight | 556627 | 435-090-040 |
| Flareless 1/8 NPTF 5/16 in O.D. Straight | — | 435-090-070 |
| Flareless 1/8 NPTF 3/16 in O.D. Straight | — | 435-090-030 |
| Flareless 1/8 NPTF 3/8 in O.D. Straight | — | 435-090-090 |
| Flareless 1/8 NPTF 1/4 in O.D. Elbow | 556630 | 435-130-040 |
| Flareless 1/8 NPTF 5/16 in O.D. Elbow | — | 435-130-060 |
| Flareless 1/8 NPTF 3/16 in O.D. Elbow | — | 435-130-030 |
| Flareless 1/8 NPTF 3/8 on O.D. Elbow | — | 435-130-080 |
| Oil Seal Bearing Assembly | 562979 | 402-040-271 |
| Oil Seal Bearing | 560133 | 402-040-000 |
| Oil Seal | 556576 | 423-010-210 |
| Jam Nut | 560154 | 410-700-040 |
| Oil Seal (Synthetic Use) | 556575 | 423-010-180 |
| Eccentric | 556792 | 454-006-000 |
| Bearing | 560146 | 402-080-020 |
| Nut | 560155 | 410-700-050 |
| Packing | 545752 | 439-079-230 |
| Packing | — | 439-079-040 |
| Gasket, for Sight Feed Glass 556687 | 556721 | 439-071-020 |
| Gasket, for Sight Feed Glass 556688 | 556722 | 439-071-030 |
| Gasket, for Sight Feed Glass 556689 | 555741 | 439-071-040 |
| Gasket, for Sight Feed Glass 556690 | 556723 | 439-071-050 |

| ORDERING INFORMATION | | |
|--|----------|--------------|
| Description | Part No. | Old Part No. |
| Gasket, for Sight Feed Glass 556691 | 555742 | 439-071-060 |
| Gasket, for Sight Feed Glass 556692 | 556724 | 439-071-070 |
| Gasket, for Sight Feed Glass 556693 | 555743 | 439-071-080 |
| Gasket, for Sight Feed Glass 556694 | 556725 | 439-071-090 |
| Sight Feed Glass | 556687 | 438-028-070 |
| Sight Feed Glass | 556688 | 438-028-080 |
| Sight Feed Glass | 556689 | 438-028-090 |
| Sight Feed Glass | 556690 | 438-028-100 |
| Sight Feed Glass | 556691 | 438-028-110 |
| Sight Feed Glass | 556692 | 438-028-120 |
| Sight Feed Glass | 556693 | 438-028-130 |
| Sight Feed Glass | 556694 | 438-028-140 |
| Sight Glass Fastening Strip | 557035 | 461-000-110 |
| Pump Blank Off Plate | 557036 | 461-000-130 |
| Center Sight Glass Fastening Strip | 557037 | 461-000-140 |
| Gauge Glass Assembly | 564316 | 438-028-171 |
| Gauge Glass | 558817 | 438-028-020 |
| Plug | 561334 | 437-700-030 |
| Cap Plug | — | 437-700-100 |
| Washer | 558702 | 439-060-020 |
| Washer Guide | — | 484-040-000 |
| Gauge Glass Assembly (Synthetics Use) | — | 438-028-181 |
| Washer (Synthetics Use) | — | 439-060-050 |
| Filling Cup & Cover Assembly | — | 473-040-091 |
| Filling Cup Cover | — | 471-680-020 |
| Filling Cup Pin | — | 411-700-100 |
| Filling Cup Strainer, 1-3/4 in deep | — | 473-020-061 |
| Filling Cup Strainer, 3/4 in deep | — | 473-020-041 |
| Hand Crank Assembly | 562988 | 426-011-191 |
| Spring | 556941 | 458-005-300 |
| Groove Pin | 556381 | 411-030-440 |
| Spacer Between Feeds | 560227 | 424-050-150 |
| Spacer Between Center Bearing & Feeds | 561342 | 424-050-190 |
| Pump Fastening Screw | 556458 | 415-640-040 |
| Center Bearing Assembly | 560144 | 402-060-070 |
| Washer, Sight Feed Glass | 555744 | 439-075-170 |
| Drain Plug, 1/4 in NPTF | — | 412-130-140 |
| Screw, Cover 10-32 x 5/16 in Round | — | 416-470-030 |
| Scr., Sight Gl. Fast. Strip 10-32 x 1/2 in | — | 416-470-060 |
| Scr., Sight Feed Glass 10-32 x 1-1/2 in | 555513 | 416-470-130 |
| Scr., Pump 1/4-28 x 3/4 in Lg, Fillister | — | 416-501-230 |
| Jam Nut | 560154 | 410-700-040 |

MODEL 25 BOX LUBRICATOR PART NUMBER CONVERSION CHART (CONTINUED)

| ORDERING INFORMATION | | |
|---------------------------------------|----------|--------------|
| Description | Part No. | Old Part No. |
| Bearing | 560128 | 402-000-040 |
| Ratchet, 75 teeth | — | 458-158-070 |
| Brake Assembly | 563000 | 453-000-021 |
| Brake Assembly | 563001 | 453-000-031 |
| Rocker Arm Assembly | 563011 | 453-020-150 |
| Pawl Pin | 560185 | 415-700-050 |
| Pawl | 557024 | 459-218-010 |
| Torsion Spring | 557007 | 458-185-020 |
| Spring Pin | 560174 | 411-700-120 |
| Rocker Arm | 560280 | 453-020-031 |
| Pawl Pin Nut, 5/16-18 | 555384 | 410-020-020 |
| Bearing | 556341 | 402-020-050 |
| Drive Shaft Assembly, for 37.5:1 | 563083 | 465-020-061 |
| Cam | 560286 | 454-006-020 |
| Grove Pin | — | 411-040-290 |
| Drive Shaft Assembly, for 25:1 | — | 465-020-321 |
| Cam | — | 454-006-180 |
| Drive Shaft Assembly, for 18.75:1 | — | 465-002-010 |
| Cam | — | 454-006-150 |
| Spacer, Drive Shaft | 560204 | 421-700-250 |
| Cap Screw, 5/16-18 x 1/2 in Lg | 558646 | 415-020-010 |
| Felt Slug, 1/2 O.D. x 5/16 in Lg | 556720 | 439-071-000 |
| Ratchet Wheel, 75 teeth | 557022 | 459-158-070 |
| Torsion Spring | — | 411-700-701 |
| Brake | 556298 | 400-295-200 |
| Rocker Arm Assembly | 563002 | 453-004-151 |
| Rocker Arm Assembly | 563003 | 453-004-161 |
| Spring Pin | — | 411-700-520 |
| Rocker Arm | 560277 | 453-004-140 |
| Screw, 5/16-18 x 1-1/2 in Fillister | — | 416-110-430 |
| Locker Waster, 5/16 in | 558676 | 421-010-020 |
| Ratchet Shaft | 560353 | 465-001-830 |
| #3 Woodruff Key | 555377 | 409-010-090 |
| Rocker Arm Assembly | 564317 | 453-004-111 |
| Outside Rocker Arm | 560445 | 480-000-020 |
| Adjustable Connection Assembly | 564346 | 480-000-031 |
| Engine Connection | 560444 | 480-000-000 |
| Adjustable Connection | 561376 | 480-000-010 |
| Pin | 560184 | 415-700-000 |
| Set Screw, 5/16-18 x 1/2 in Cup Point | 558654 | 415-490-030 |
| Strainer Assembly | 563101 | 473-020-091 |
| 3/8 in Rod, 6 in Lg | 561346 | 453-004-000 |

| ORDERING INFORMATION | | |
|--|----------|--------------|
| Description | Part No. | Old Part No. |
| Cap Screw, 3/8-16 x 1 in Lg | 555479 | 415-030-050 |
| Set Screw, 5/16-18 x 5/8 in Lg Cup Point | 555490 | 415-490-020 |
| Drain Cock | — | 405-010-020 |
| Ratchet Cam | — | 454-000-240 |
| Ratchet Drive Shaft | — | 465-020-071 |
| Ratchet Washer | 556720 | 439-071-000 |
| Ratchet Rocker Arm | 560277 | 453-004-140 |

ORDERING INFORMATION

M25 – XX – XX – XX – XX – X – XX

RESERVOIR

R1 – 1-4 Pump Station Reservoir
 R2 – 5-8 Pump Station Reservoir
 R3 – 9-12 Pump Station Reservoir
 R4 – 13-16 Pump Station Reservoir
 R5 – 17-20 Pump Station Reservoir

PUMP SIZE

P0 – No Pump
 P1 – 3/16 in dia. Plunger, 1000 psi max Operating Pressure
 P2 – 5/16 in dia. Plunger, 1000 psi max Operating Pressure

PUMP QUANTITY

0-20 Pumps

DRIVE OPTIONS

D1 – Direct Ratio (1:1)
 D2 – Standard Ratchet (Less Ratchet Arm)
 D3 – 37.5:1 Ratio
 D4 – 75:1 Ratio

DRIVE LOCATIONS

L – Left Hand End
 R – Right Hand End

LEVEL OPTIONS

L0 – None
 L1 – Low Level Switch (SPST Reed Type), 10 W @ 115VAC, Requires 1 Pump Station per Switch
 L2 – High Level Switch (SPST Reed Type), 10 W @ 115VAC, Requires 1 Pump Station per Switch

NOTE: Additional Model 25 Lubricators may be available upon request. Please supply serial number, complete application information and number of units required when requesting quotation.

MODEL 25 SIGHT GLASS ORDERING

| Description | Part No. | Old Part No. |
|----------------------|----------|--------------|
| Sight Glass, 1 Feed | 556687 | 438-028-070 |
| Sight Glass, 2 Feeds | 556688 | 438-028-080 |
| Sight Glass, 3 Feeds | 556689 | 438-028-090 |
| Sight Glass, 4 Feeds | 556690 | 438-028-100 |
| Sight Glass, 5 Feeds | 556691 | 438-028-110 |
| Sight Glass, 6 Feeds | 556692 | 438-028-120 |
| Sight Glass, 7 Feeds | 556693 | 438-028-130 |
| Sight Glass, 8 Feeds | 556694 | 438-028-140 |

MODEL 25 GASKET ORDERING

| Description | Part No. | Old Part No. |
|-----------------|----------|--------------|
| Gasket, 1 Feed | 556721 | 439-071-020 |
| Gasket, 2 Feeds | 556722 | 439-071-030 |
| Gasket, 3 Feeds | 555741 | 439-071-040 |
| Gasket, 4 Feeds | 556723 | 439-071-050 |
| Gasket, 5 Feeds | 555742 | 439-071-060 |
| Gasket, 6 Feeds | 556724 | 439-071-070 |
| Gasket, 7 Feeds | 555743 | 439-071-080 |
| Gasket, 8 Feeds | 556725 | 439-071-090 |

MODEL 25 COMPONENTS ORDERING

| Description | Part No. | Old Part No. |
|--------------------------|----------|--------------|
| 3/16 in Replacement Pump | 562949 | 321-210-015 |
| 5/16 in Replacement Pump | 562950 | 321-410-015 |
| Ratchet Arm Assembly | 564317 | 453-004-111 |

All written and visual data contained in this document are based on the latest product information available at the time of publication. Graco reserves the right to make changes at any time without notice.

Contact us today!

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 call 800-533-9655 or visit us online at www.graco.com.

