

# General Lubrication Products



“You want the best equipment you can get if you want the job done right.”

Frank McNiel, Lubrication Specialist,  
Lincoln Industrial Manufacturing Facility, St. Louis, Missouri

# People, Capabilities and Systems to Save Money and Increase Productivity



We're the largest and most successful company in our field because we continually satisfy our customers with the world's best lubrication and pumping systems. For almost 90 years, companies have relied on our technical and quality leadership, our world-class manufacturing and customer service, and our vast network of distributors and support facilities.

Lincoln Industrial develops new products and systems at research and development facilities in the U.S., Germany and India that provide global and regional application solutions.

We have solutions for large processing plants, automotive manufacturing, pulp and paper mills, and food and beverage facilities. Virtually every industrial professional involved in operations and maintenance can benefit from Lincoln Industrial products.

On the road or in the field, Lincoln Industrial protects heavy equipment used in mining, construction, agriculture and over-the-road trucking. The world's leading manufacturers offer our products as standard equipment or factory options.

Lincoln Industrial builds precision metal components, state-of-the-art electronic controls, and the industry's top-performing pump systems. Our quality systems in the United States and Germany are ISO 9001 registered.

With five technical support centers on three continents, and a network of distributors supported by regional sales and service offices, our customers can always draw on our worldwide resources.

To make sure your investment results in significant savings, Lincoln Industrial developed a unique program called BearingSaver®. You not only get a complete audit of your facility, you also receive an analysis of your return on investment.



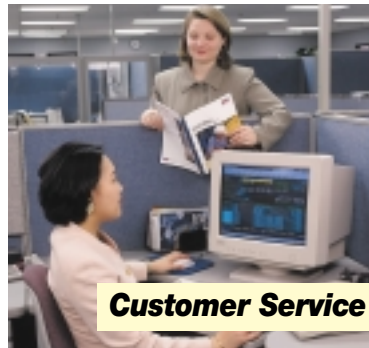
**Industrial Solutions**



**Worldwide Support**



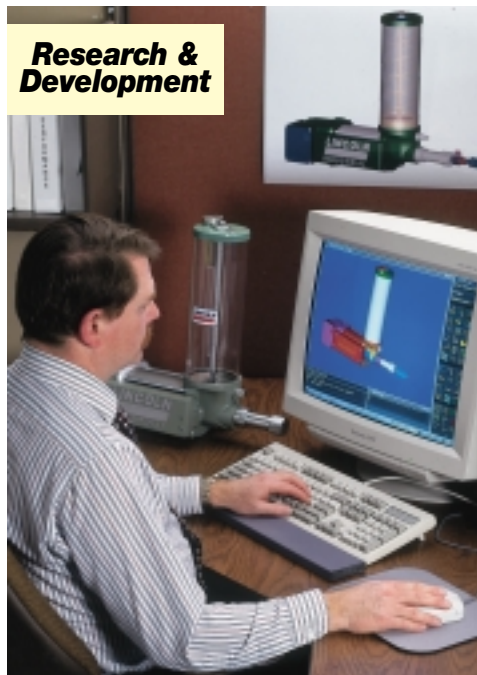
**Quality Manufacturing**



**Customer Service**



**BearingSaver®**



**Research & Development**



**Mobile Equipment**

**Series 20 & 40 • 50:1 • Air Operated**  
**The Heavy Duty 50:1 Grease Pump Family from Lincoln Industrial**

Lincoln Industrial air operated lube equipment models featuring our high pressure series 20 and series 40 grease pumps have been performance proven in automotive, agricultural, heavy duty, marine, construction and industrial facilities throughout the world.

- Series 20 grease pumps include the time proven 20 cubic inch displacement Lincoln Industrial air motor with 2 1/2" stroke—ideal for most applications.
- Series 40 grease pumps include the time proven 40 cubic inch displacement Lincoln Industrial air motor with 4 1/2" stroke – ideal for high volume applications.

These pumps are built for power, durability and dependability and these exclusive engineering features ensure top performance and longer service life.

**Series 20 & 40 Grease Pump Features**

- Lightweight, corrosion-resistant zinc head casting design incorporates uniform wall thickness and an integral patented muffler which keeps noise level below OSHA standards without compromising performance. Keeps pumping, while other pumps slow down or stop due to icing.
- 150 psi pre-lubricated air motor requires no external oiler.
- Pneumatically assisted mechanical air valve assures positive tripping
- Springless air motor construction prevents premature pump failure due to spring fatigue.
- Precision-machined, hardened steel slide valve for longer life—no packings to wear out.
- Powerful—20 cu. in. or 40 cu in. air motor
- Designed for greater cycle rates. Exceeds maximum limits recommended for competitive pumps.
- One piece pump outlet body withstands constant high lubricant pressures.
- Easier serviceability. Majority of parts are common with other series 20, 25, and 40 pumps.
- Faster output. Double-acting design provides high pressure and uniform delivery on both up and down strokes.
- Nitride steel plunger and bushing resist abrasion and prolong pump life. Micro-lapped to high precision tolerance to eliminate bypassing lubricant.
- All pumps are 100% electronically tested to assure quality performance.
- Backed by the most extensive, qualified service network in the industry.
- Shovel-type foot valve adds mechanical priming to normal suction. Handles all grades of lubricants.
- Backed by a one year limited warranty. See your Lincoln Industrial representative for details.



**Series 20 • 50:1 • Double Acting**

**Shop/Plant Applications**

**Model 918 120 lb. Drum**

Equipped with 82050 bare pump assembly, 46007 drum cover, 815 air coupler, 11659 air nipple, 72036 3' air connecting hose, 3' high pressure grease connecting hose, 84780 deluxe follower plate, 80202 volume elbow union. Height with drum is 39<sup>3</sup>/<sub>8</sub>". Drum not included.



918

**Model 923 120 lb. Drum**

Similar to 918 listed above but includes 83447 pump elevator assembly. Pump elevator assembly lifts pump assembly clear of drum for easy, one person drum changes. Also helps prevent introduction of foreign material into grease during drum changes. Height with drum is 39<sup>3</sup>/<sub>8</sub>", 67<sup>1</sup>/<sub>4</sub>" with elevator raised. Drum not included.



83447

**Model 926 400 lb. Drum**

Equipped with 82054 bare pump assembly, 81523 drum cover, 815 air coupler, 11659 air nipple, 72036 3' air connecting hose, 5' high pressure grease connecting hose and 80202 volume elbow union. Height with drum is 46". Drum not included.  
 NOTE: A deluxe follower plate 83366 is recommended for use with this pump.



926

**Model 926-1 400 lb. Drum**

Same as 926 except without 81523 drum cover.

**Lube Truck/Mobile Applications**

**Model 82991 120 lb. Drum**

Equipped with 82050 bare pump assembly, 82989 drum cover and tie rod assembly, 84941 eye bolt kit, 815 air coupler, 11659 air nipple and 80202 volume elbow union. Height with drum is 40<sup>3</sup>/<sub>4</sub>". Drum not included.

Note: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.



82991

**Model 83112 400 lb. Drum**

Equipped with 83112-1 pump, 83115 drum cover and tie rod assembly, 815 air coupler, 11659 air nipple and 80202 volume elbow union. Height with drum is 50". Drum not included.

NOTE: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.

NOTE: For lube truck/mobile applications, optional deluxe follower plate is available.

These high pressure pumps incorporate a 20 cu. in. air motor design.

**Series 20 Grease Pumps**

Model	Description	Bare Pump	Free Delivery (per min.)	Ratio	Drum Size	Air Inlet NPT	Material Outlet NPT
918	Shop/plant	82050	80 cu. in.	50:1	120 lb.	1/4" (f)	1/4" (f)
923	Shop/plant w/elevator	82050	80 cu. in.	50:1	120 lb.	1/4" (f)	1/4" (f)
926	Shop/plant	82054	80 cu. in.	50:1	400 lb.	1/4" (f)	1/4" (f)
82991	Lube truck model	82050	80 cu. in.	50:1	120 lb.	1/4" (f)	1/4" (f)
83112	Lube truck model	82054	80 cu. in.	50:1	400 lb.	1/4" (f)	1/4" (f)

**Series 40 • 50:1 • High Output • Double Acting**  
**Shop/Plant Applications**



1418

**Model 1418 120 lb. Drum**

Equipped with 84667 bare pump assembly, 46007 drum cover, 815 air coupler, 11659 air nipple, 72036 3' air connecting hose, 3' high pressure grease connecting hose, 84780 deluxe follower plate and 80202 volume elbow union. Height with 120 lb. drum is 41<sup>3</sup>/<sub>8</sub>". Drum not included.

**Model 1426 400 lb. Drum**

Equipped with 84668 bare pump assembly, 81523 drum cover, 815 air coupler, 11659 air nipple, 72036 3' air connecting hose, 5' high pressure grease connecting hose and 80202 volume elbow union. Height with 400 lb. drum is 48". Drum not included.

*NOTE: Deluxe follower plate 83366 is recommended for use when pumping extra heavy lubricants and must be ordered separately for this model.*

**Model 1426-1 400 lb. Drum**

Same as 1426 except without 81523 drum cover.

**Lube Truck/Mobile Applications**

**Model 84684 120 lb. Drum**

Equipped with 84667 bare pump assembly, 82989 drum cover and tie rod assembly, 84941 eye bolt kit, 815 air coupler, 11659 air nipple and 80202 volume elbow union. Height with drum is 42<sup>3</sup>/<sub>4</sub>". Drum not included.

*NOTE: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.*



84683

**Model 84683 400 lb. Drum**

Equipped with 84668 bare pump assembly, 83115 drum cover and tie rod assembly, 84941 eye bolt kit, 815 air coupler, 11659 air nipple and 80202 volume elbow union. Height with drum is 52". Drum not included.

*NOTE: Connecting hoses are not included with this package. Order connecting hoses separately to suit application.*

*NOTE: For lube truck/mobile applications, optional deluxe follower plate is available.*

These high output pumps incorporate a 40 cu. in. air motor design with a 4 1/2" stroke for higher volume output and fewer cycles per pound of grease.

**Series 40 Grease Pumps**

Model	Description	Bare Pump	Free Delivery (per min.)	Ratio	Drum Size	Air Inlet NPT	Material Outlet NPT
1418	High volume shop	84667	90 cu. in.	50:1	120 lb.	1/4" (f)	1/4" (f)
1426	High volume shop	84668	90 cu. in.	50:1	400 lb.	1/4" (f)	1/4" (f)
84683	High volume lube truck	84668	90 cu. in.	50:1	400 lb.	1/4" (f)	1/4" (f)
84684	High volume lube truck	84667	90 cu. in.	50:1	120 lb.	1/4" (f)	1/4" (f)

### Series 20 • 50:1 • Single Acting

These 50:1 ratio pumps use the performance proven design of the Series 20 air motor and a simplified pump tube to provide a lower cost alternative for dispensing grease at high pressure.

**High pressure performance for the economy conscious buyer**

#### Model 657 120 lb. Drum

Height 43<sup>1</sup>/<sub>8</sub>" with 120 lb. drum. Drum cover 46007 finished in Lincoln Industrial red; band dolly 84192 in black. Follower plate and drum not included. Optional follower plate is 84780.

#### Model 658 120 lb. Drum

Same as 657 without band dolly.

#### Model 266 120 lb. Drum

Same as 657 except with 674 hand truck which provides convenient transportation for unit. Hand truck has two semi-pneumatic disc wheels and screw-type clamp which locks unit to truck. Optional 84780 follower plate and drum not included.

#### Model 686 25-50 lb. Pail/60 lb. Bulk

For 25-50 lb. refinery containers or 60 lb. bulk. Gasket and air vent in lid assembly makes unit completely dust-proof, leak-proof and spill-proof. Ideal for use in all types of weather; container rust-proofed and finished in Lincoln Industrial red. Height 31<sup>3</sup>/<sub>4</sub>"; inside diameter of container 12<sup>1</sup>/<sub>2</sub>". Optional follower plate is 84775.

#### Model 689 25-50 lb. Pail

Steel cover has three thumb screws to clamp securely to any original 25-50 lb. refinery container. Carrying handle provides easy portability. Cover rust-proofed and finished in Lincoln Industrial red. Follower plate and bucket not included. Optional follower plate is 84775.

#### Model 659 25-50 lb. Pail

Same as 689 with band-dolly base.

### Portable Grease Pumps

Model	Bare	Drum Cover	Base	Delivery Kit*	Follower Plate	Drum Size
266	282050	46007	674	245852	**	120 lb.
657	282050	46007	84192	245852	**	120 lb.
658	282050	46007	none	245852	**	120 lb.
659	282716	91499	84191	245852	**	25-50 lb.
686	283513	90656	none	245852	**	25 / 60 lb.
689	282716	91499	none	245852	**	25-50 lb.

\*Delivery kits for all units include: 10198 hose connector, 75084 high pressure 7' hose, 11659 nipple, 740 HP control valve, 815 air coupler and 82399 straight swivel.

\*\*Follower plate recommended to assure positive prime at lowest temperatures. Must be ordered separately.

NOTE: Free delivery 70 cu. in per min.



657



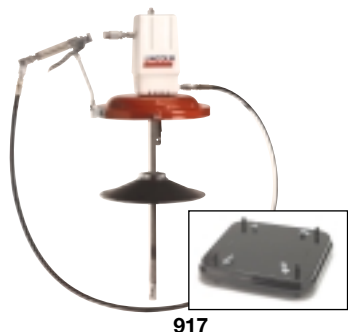
266



686



659



917

### Series 20 • 50:1 • Air Operated • Double Acting

The following models contain Lincoln Industrial's high-pressure Series 20 grease pumps.

#### Model 917 120 lb. Drum

Will dispense 45 ounces or 80 cubic inches of NLGI 0-2 grease per minute at 150 psig. Assures positive prime at lowest temperature. Drum cover 46007 finished in Lincoln Industrial red; roll-a-round base 80895 base in black; air motor cover in white. Height 43 1/8". Base 17" square. Drum not included.

#### Model 917-57 120 lb. Drum

Same as 917 without roll-a-round base.

#### Model 346P 120 lb. Drum

Same as 917 except with 674 hand truck which provides convenient transportation for unit. Hand truck has two semi-pneumatic disc wheels and screw-type clamp which locks unit to truck. Drum not included.



346P

#### Model 987 25-50 lb. Pail/60 lb. Bulk

For 25-50 lb. refinery containers or 60 lb. bulk. Gasket and air vent in lid assembly makes unit completely dust-proof, leak-proof and spill-proof. Ideal for use in all types of weather; container rust-proofed and finished in Lincoln Industrial red. Height 31 3/4"; inside diameter of container 12 1/2". Optional follower plate is 90579.

#### Model 972 25-50 lb. Pail

For 25-50 lb. original refinery container. Decorative model with rust-proofed sleeve finished in white. Sleeve cover finished in Lincoln Industrial red, roll-a-round base 81319 in black. Height 35", base 17" square.



987

972

#### Model 989 25-50 lb. Pail

Steel cover has three thumb screws to clamp securely to any original 25-50 lb. refinery container. Carrying handle provides easy portability. Follower plate assures positive prime at lowest temperatures. Cover rust-proofed and finished in Lincoln Industrial red. Bucket not included.

#### Follower Plates

##### Model 84775

Deluxe universal follower for use with 25-50 lb. containers for 1", 1 1/4", 1 1/2" diameter pump tubes. All rubber unit ensures complete grease dispensing to the bottom of dented or plastic lined drums; wipes pail or drum clean. Metal cap holds insert firmly in place, ensuring seal and maintaining vacuum.

##### Model 84780

Same as 84775 except for use with 120 lb. containers for 1", 1 1/4", 2 1/8" diameter pump tubes. Used with Series 20 and 40 air operated grease pumps.



989



84775

### Heavy Duty Portable Grease Pump Assemblies

Model	Bare	Drum Cover	Base	Delivery Kit	Follower Plate	Drum Size
917	82050	46007	80895	*	84780	120 lb.
917-57	82050	46007	NA	*	84780	120 lb.
346	82050	46007	674	*	84780	120 lb.
987	83513	90656	NA	*	not supplied**	25 / 60 lb.
972	83513	45969	81319	*	84775	25-50 lb.
989	82716	91499	NA	*	84775	25-50 lb.

\*Delivery kits for all units include: 75084 high pressure 7' hose, 11659 nipple, 740 HP control valve, 815 air coupler, 82399 straight swivel and 81387 universal swivel.

\*\*Follower plate recommended to assure positive prime at lowest temperatures. Must be ordered separately.

NOTE: Free delivery 80 cu. in per min.



1292

### Manual Pumps

These quality-built Lincoln Industrial bucket pumps dispense high-pressure lubrication in any weather—even at 0° F. Select from pump units developing 2500 to 5000 psig for normal lubrication service or lubrication of trac-roll bearings.

### Model 1292 Grease Pump

Unit clamps on any 25–50 lb. refinery container in 60 seconds. Dimensions: 21 1/2" h. x 12 1/4" w. Tube size 1 1/4".

### Model 1272

Large 30 lb. lubricant capacity with easy pumping action, develops a 3500 lb. maximum pressure to lubricate the most closely fitted bearings. Automatic pressure release prevents nozzle drippage, waste and mess. Pump and lid assembly easily removed as a single unit for filling. Order 7' hose 79084 separately. Dimensions: 28" h x 14" w x 9" dia.

### Model 1275

All purpose pump dispenses both lubricants and greases. Especially useful for lubrication of trac-roller bearings. Handle slot pin switches for high pressure 5000 psig or low pressure 2000 psig delivery. 40 lb. capacity steel container filled through pivot cover opening in lid. May also be used for fast, clean refilling of transmissions, differentials, gear cases and final drives. Dimensions: 23 1/2" h x 11 3/8" w x 14 5/8" long.



1272 shown with hose

1275 shown with hose and coupler assembly

### WARNING

For safe and proper use, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.

### Manual Grease Pumps

Model	Cont. Size	Max. Pressure	Coupler Acces.	Hose	Follower	Output
<b>FOR USE WITH ORIGINAL REFINERY CONTAINERS—SUPPLIED W/BUCKET COVER ASSEMBLY</b>						
1292	25–50 lb.	2500 psi	5852	5 ft. 79060	supplied	.303/stroke <sup>1</sup>
<b>SELF CONTAINED MODELS</b>						
1272	40 lb. bulk	5000 psi	none	none	not supplied	.37 oz. stroke high <sup>2</sup> .95 oz. stroke low
1275	40 lb. bulk	5000 psi	80933	none	not supplied	.37 oz. stroke high <sup>2</sup> .95 oz. stroke low

<sup>1</sup>Using no. 1 multi-purpose grease at 80°F

<sup>2</sup>Using no. 1 cup grease at 70°F

### Electric Lubriguns

#### Model 251

For dispensing oils and light greases, NLGI #1. Includes a weighted follower.

#### Model 252

For dispensing heavy greases, NLGI #3. Includes a screw prime follower.

**Note:** Both models include 7 ft. of 1/4" high pressure hose, 81387 universal swivel, and 740 control valve. Pressure switch is factory set to shut off pump at 5000 psi lubricant pressure and to start pump when pressure drops to 2500 psi.



251

Dimensions	Output	Power Requirements	Lubricant Capacity
36 1/4" x 28" x 17 1/2" 921 x 711 x 445 mm	6 oz. / min. 177.6 cc / min	115/230 volt 5.4 / 2.7 amp	30 lbs. 13.6 kg.





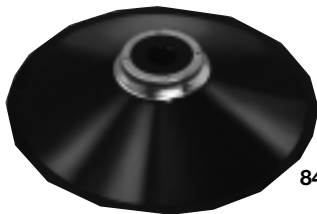
1296



500



91108



84775



83366



81768



81673



81168

**Filler Pumps—Portable & Stationary**

- Fast (less than a minute), positive gun refilling with simple pumping action
- Filler socket assembly eliminates mess, waste and air pockets

**Model 1296 Clamp-On Carry**

Clamps to any original 25-50 lb. refinery container. Handles medium and light lubricants in any weather. Includes pump, filler socket, follower plate and ribbed steel drum cover. Rust resistant. Tube size 1 1/2".

**Model 500 Stationary 120 lb. Drum**

For use with original refinery drums with maximum head diameter of 14 9/16" and overall height of 26 5/8". Handles all high pressure lubricants. Includes pump, filler socket and drum cover with one set of adjusting screws to accommodate variations in drum diameter. Red enamel finish; pump head and handle in black. Delivers 1 oz. per stroke.

**Filler pumps**

Model	Container Size	Follower Plate	Filler Socket**	Dimensions
1296	25-50 lb.	91393	82614	20"h x 12 1/4"w
500	120 lb.	none	80133	26 5/8"h x 14 9/16" dia.

\* For pumping extra heavy lubricants, order follower plate 84780 for 500 pump.

\*\*Requires 91108 filler nipple

**Model 91108 Filler Nipple**

For grease guns. Includes ball check; 1/8" NPT(m). Works with Model 1296 and Model 500, plus filler socket 80133 (below).

**Follower Plates**

Recommended when pumping lubricants that will not seek their own level.

**Model 84775**

Deluxe universal follower for use with 25-50 lb. containers for 1", 1 1/4", 1 1/2" diameter pump tubes. All rubber unit ensures complete grease dispensing to the bottom of dented or plastic lined drums; wipes pail or drum clean. Metal cap holds insert firmly in place, ensuring seal and maintaining vacuum.

**Model 84780**

Same as 84775 except for use with 120 lb. containers for 1", 1 1/4", 2 1/8" diameter pump tubes. Used with Series 20 and 40 air operated grease pumps.

**Model 83366**

Deluxe pressed steel follower plate for 400 lb. drums includes a seal in the hub to prevent channeling of grease past the pump tube.

**Delivery Hose Assemblies for Bucket Pumps**

2250 psi maximum operating pressure

Model	Length	Swivel	Coupler Extension
<b>FOR CONTACTING HYDRAULIC FITTINGS</b>			
81768	79084-7'	80924	5834
<b>FOR CONTACTING STANDARD BUTTON HEAD FITTINGS</b>			
81673	79060-5'	80924	81458



46007

**Drum Covers**

**Model 46007**

Drum cover for 120 lb. or 16 gallon open top refinery containers for all series 20, 25 and 40 pumps.



81523

**Model 81523**

Drum cover for 400 lb. or 55 gallon open top refinery containers for all series 20, 25 and 40 pumps.

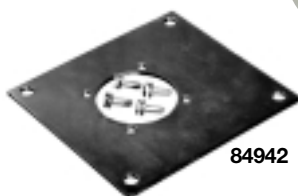


84941

**Eye Bolt Kit**

**Model 84941**

Eye bolt kit for all series 20, 25 and 40 pumps, makes drum changing easy. Two part kit screws directly onto pump for lifting with pump elevator.



84942

**Model 84942 Flange Mount Kit**

For mounting Series 24 and 40 oil pumps to custom made tanks/lube trucks.



84191

**Accessories**

**Model 84191 25-50 lb. Band Dolly**

Band-type dolly for any original 25-50 lb. refinery containers; caster 66060.



84377

**Model 84192 120 lb. Band Dolly**

Band-type dolly for use with 120 lb. refinery containers; caster 66060.

**Model 84377 Drum Dolly**

Use with any 400 lb. drum. ID 23 1/4", height 5 1/4", hard rubber wheels: 1" wide, 2 1/2" dia.



80895

**Model 674 Hand Truck**

All steel, rugged construction with 6" dia. wheels. Finished in Lincoln Industrial red. 41" high x 15" wide. For use with an 120 lb. or 16 gallon drum.

**Model 80895 Roll-A-Round Base**

Use with 120 lb. refinery containers. Four ball bearing swivel casters and screw clamps.



66060

**Model 66060 Caster for Roll-A-Round Base Units**

Standard equipment on Lincoln Industrial drum and band dollies.



80202

**Model 80202 Volume Elbow**

For use in stationary installations with high pressure Lubriguns. 1/4" NPT(m) inlet; 1/4" NPT(f) outlet.



674



**PowerMaster Pump Features**

- Gives years of dependable trouble-free operation.
- Costs much less to operate—costs much less to maintain.
- High volume output—air motor has 4 1/2" long stroke for powerful, uniform delivery on both up and down strokes.
- Shovel type pump tube used to aid mechanical priming to normal suction when needed.
- Sturdy construction—plunger and bushing of sapphire-hard nitriding steel for longer life, greater wear resistance.
- Pump outlet body of all-steel construction designed to withstand pulsation and extreme pressure. All wearing parts are tough, heat-treated steel.
- Plunger, bushing and air valve mating parts are micro-lapped to close tolerances. Prevents by-passing of lubricant and bleeding of air. Eliminates need to replace washers and packings.
- Trouble-free, positive performance. Air motor operation has no springs to wear out, rust or lose tension. Air valve is stall-proof, leak-proof and pre-lubricated. Double-acting mechanisms ensure dependable low-surge operation with minimum air consumption.
- Large air passages allow unrestricted exhaust.
- Simplified maintenance. Design of pump tube allows for easy disassembly. Air motor piston and cylinder...no oiling required, minimum friction, no leather cups.

**Series 1900 PowerMaster High Pressure Grease Pumps**

**Shovel Foot Pumps—Plunger & Bushing (continued next page across)**

Model	Ratio	Pump Tube Type	Air Motor	Diameter in. / mm	Pump Tube	Material Outlet	Output per cycle cu. in / cc	Approx. Cycles per gal / liter
1935	50:1	55 gal	82737	2 1/2 / 57	83665	3/4" NPTF	.6 / 10	385 / 100
1903	40:1	55 gal	82730	4 1/4 / 108	82792	3/4" NPTF	2.8 / 46	83 / 22
1910	50:1	55 gal	82730	4 1/4 / 108	83271	3/4" NPTF	2.3 / 38	101 / 26
1904	75:1	55 gal	82730	4 1/4 / 108	82793	3/4" NPTF	1.6 / 26	144 / 39
1941	50:1	16 gal	82737	2 1/2 / 57	84663	3/4" NPTF	.6 / 10	385 / 100
1907	40:1	16 gal	82730	4 1/4 / 108	82841	3/4" NPTF	2.8 / 46	83 / 22
1911	50:1	16 gal	82730	4 1/4 / 108	83398	3/4" NPTF	2.3 / 38	101 / 26
1908	75:1	16 gal	82730	4 1/4 / 108	82883	3/4" NPTF	1.6 / 26	144 / 39

*\*All PowerMaster pumps include 12018 3/4" NPTF(m) x 1/2" NPTF(f) bushing in the material outlet.*

*NOTE: Model number with "-1" indicates model including bung bushing (ex., 1935-1).*

*Model number with "-2" indicates model including drum cover (ex., 1935-2).*

### Model 1716 Pump Hoist

For use with all PowerMaster II series 1900 pumps. Air operated single post pump hoist for 55 gallon drums performs several functions in applications of low to medium viscosity materials. Facilitates drum changeovers. Includes follower and wiper which uses normal suction to help maintain pump prime.

### Specifications

Model	Height		Operating Air Pressure psi / bar	Beam		Lift Capacity
	Lowered	Raised		Length	Rotation	
1716	73" / 1.9m	110 1/2" / 2.8m	40-200 / 3-14	19" / .5m	360°	400 lbs/182kg

NOTE: A butyl rubber wiper is available for these primers for materials not compatible with Buna-N; order 34555 separately.

### Air Motor Muffler

### Model 66764

For use on pump stations that incorporate the PowerMaster II air motor. 3/4" NPT(m). Two required per air motor.



1716



66764

## Series 1900 PowerMaster High Pressure Grease Pumps

### Shovel Foot Pumps—Plunger & Bushing

Model	Gallons / Liters per Minute			Min. ID Air Supply Hose in. / mm	SCFM@70 psig	Air Consumption Per Cycle		
	30 CPM	50 CPM	70 CPM			M <sup>3</sup> /min.@5 bar	SCFM@100 psig	M <sup>3</sup> /min.@7 bar
1935	.08 / .3	.1 / .5	.2 / .7	3/8" / 10	.17	.005	.21	.006
1903	.4 / 1.4	.6 / 2.3	.8 / 3.2	1/2" / 12	.5	.014	.62	.017
1910	.3 / 1.1	.5 / 1.9	.7 / 2.6	1/2" / 12	.5	.014	.62	.017
1904	.2 / .8	.3 / 1.3	.5 / 1.8	1/2" / 12	.5	.014	.62	.017
1941	.08 / .3	.1 / .5	.2 / .7	3/8" / 10	.17	.005	.21	.006
1907	.4 / 1.4	.6 / 2.3	.8 / 3.2	1/2" / 12	.5	.014	.62	.017
1911	.3 / 1.1	.5 / 1.9	.7 / 2.6	1/2" / 12	.5	.014	.62	.017
1908	.2 / .8	.3 / 1.3	.5 / 1.8	1/2" / 12	.5	.014	.62	.017



### Features

- State of the art, fully pneumatic air motors 3"– 4 1/4" (76-101 mm) diameter air piston.
- Full 6" (152 mm) stroke.
- Modular design for easy repair.
- Only 5 moving parts, no metal to metal contact in air motors.
- Newly designed pump tubes offer ratios and outputs to fit any application.
- Available to fit any drum or pail size, or bulk tanks.
- Offered in carbon steel, 316 stainless steel or hard chrome plated.
- Complete selection of packing materials available.
- Full line of priming equipment and mounting devices.



84804

### Series III Air Motors

- Full pneumatic operation for longer life and durability. Only 5 moving parts.
- Total modular design for ease of service and maintenance.
- Quiet operation. Meets or exceeds OSHA requirements at all recommended operation air pressures.
- Interchangeable with all PowerMaster® III pump tubes.
- Acceptability of pump monitors and controls, such as AirBrake™.



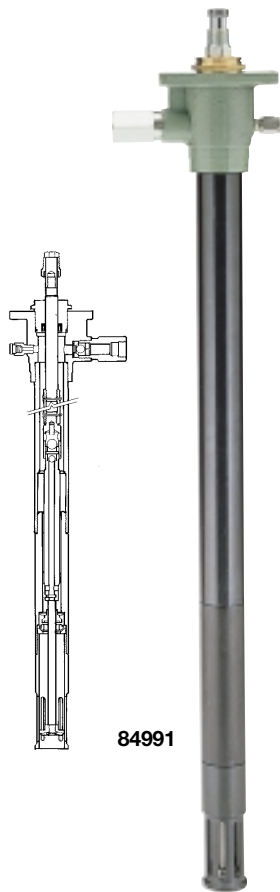
84988

### Model 84988 AirBrake™

- Shuts down pump when excessive pump cycle speed (runaway) occurs.
- Prevents pump damage due to a runaway condition.
- Indicates system fault caused by empty container or broken supply line.
- Limits spills due to pump outlet hose failure.
- Sends fault signal to remote alarm locations with optional 244398 signal kit.
- Can be ordered already installed (refer to note on Pump Specification Chart).
- Can be added later. Order 84988.
- Cannot be used with 3" air motor 84803.

### Model 244398 Signal Kit

Optional for remote monitoring of AirBrake™. Sends fault signal to remote alarm locations.



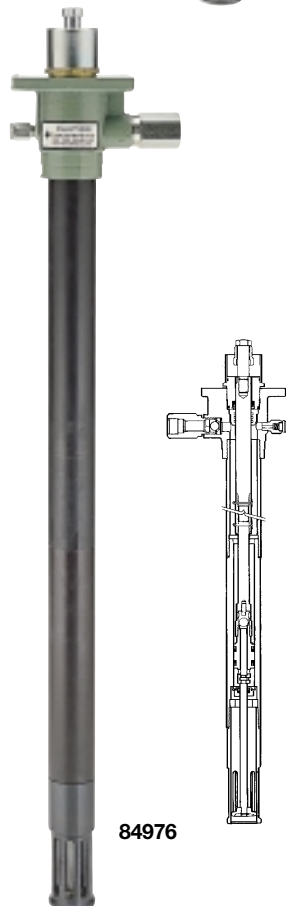
### **Pump Tubes**

#### **Shovel Foot Design, Plunger & Bushing Style**

- For medium to high viscosity, non-flowable materials, such as grease.
- Available in 400 lb. (205 liter) or 120 lb. (60 liter) drum lengths, or mounts on pressure primer for very high viscosity materials.
- Full range of ratios: 12:1 through 75:1 for all applications.
- Selected fit, hardened steel plunger and bushing is particularly well suited to viscous lubricants.
- Use with all Series III Air Motors.
- Exclusive patented, leakless gland assembly kit (to protect gland seal—the only seal in pump tube) is available as an accessory.

#### **Shovel Foot Design, Packed Piston Style**

- For medium to high viscosity, non-flowable materials.
- Furnished with exclusive, patented, leakless gland assembly.
- Available in 55 gallon (205 liter) or 16 gallon (60 liter) drum lengths: also suitable for mounting on priming equipment or standpipe mounting for bulk delivery.
- Full range of packing materials available for product compatibility.
- Complete interchangeability with all Series III Air Motors.
- Full range of ratios 10:1 through 32:1.



**High Viscosity Pumps—Carbon Steel for Transfer of Non-Corrosive Materials**

**Shovel Foot Pumps—Packed Piston (continued next page across)**

Model	Ratio	Pump Tube Type	Air Motor	Diameter in. / mm	Pump Tube	Material Outlet*	Output per cycle cu. in / cc	Approx. Cycles per gal / liter
2069* <sup>1</sup>	32:1	55 gal	84804	4 1/4 / 108	84978	3/4" NPTF	4.6 / 75	51 / 13
2076* <sup>1</sup>	32:1	16 gal	84804	4 1/4 / 108	84979	3/4" NPTF	4.6 / 75	51 / 13
2068* <sup>1</sup>	20:1	55 gal	84804	4 1/4 / 108	84976	3/4" NPTF	6.7 / 110	35 / 9
2075* <sup>1</sup>	20:1	16 gal	84804	4 1/4 / 108	84977	3/4" NPTF	6.7 / 110	35 / 9
2067*	15:1	55 gal	84803	3 / 76	84978	3/4" NPTF	4.6 / 75	51 / 13
2074*	15:1	16 gal	84803	3 / 76	84979	3/4" NPTF	4.6 / 75	51 / 13
2066*	10:1	55 gal	84803	3 / 76	84976	3/4" NPTF	6.7 / 110	35 / 9
2073*	10:1	16 gal	84803	3 / 76	84977	3/4" NPTF	6.7 / 110	35 / 9

**Shovel Foot Pumps—Plunger and Bushing (continued next page across)**

2004 <sup>1</sup>	75:1	55 gal	84804	4 1/4 / 108	84997	3/4" NPTF	2.1 / 34	111 / 29
2008 <sup>1</sup>	75:1	16 gal	84804	4 1/4 / 108	84998	3/4" NPTF	2.1 / 34	111 / 29
2010 <sup>1</sup>	50:1	55 gal	84804	4 1/4 / 108	84995	3/4" NPTF	3.0 / 49	78 / 20
2011 <sup>1</sup>	50:1	16 gal	84804	4 1/4 / 108	84996	3/4" NPTF	3.0 / 49	78 / 20
2003 <sup>1</sup>	40:1	55 gal	84804	4 1/4 / 108	84993	3/4" NPTF	3.7 / 61	63 / 16
2007 <sup>1</sup>	40:1	16 gal	84804	4 1/4 / 108	84994	3/4" NPTF	3.7 / 61	63 / 16
2002 <sup>1</sup>	24:1	55 gal	84804	4 1/4 / 108	84991	3/4" NPTF	6.1 / 100	38 / 10
2006 <sup>1</sup>	24:1	16 gal	84804	4 1/4 / 108	84992	3/4" NPTF	6.1 / 100	38 / 10
2045	36:1	55 gal	84803	3 / 76	84997	3/4" NPTF	2.1 / 34	111 / 29
2049	36:1	16 gal	84803	3 / 76	84998	3/4" NPTF	2.1 / 34	111 / 29
2044	24:1	55 gal	84803	3 / 76	84995	3/4" NPTF	3.0 / 49	78 / 20
2048	24:1	16 gal	84803	3 / 76	84996	3/4" NPTF	3.0 / 49	78 / 20
2043	20:1	55 gal	84803	3 / 76	84993	3/4" NPTF	3.7 / 61	63 / 16
2047	20:1	16 gal	84803	3 / 76	84994	3/4" NPTF	3.7 / 61	63 / 16
2042	12:1	55 gal	84803	3 / 76	84991	3/4" NPTF	6.1 / 100	38 / 10
2046	12:1	16 gal	84803	3 / 76	84992	3/4" NPTF	6.1 / 100	38 / 10

\* Order pump tube and air motor separately for these models.

<sup>1</sup> These models are also available with optional 84988 AirBrake assembled to air motor. To order, specify 94804 air motor and pump tube separately.

**High Viscosity Pumps—Carbon Steel for Transfer of Non-Corrosive Materials**  
**Shovel Foot Pumps—Packed Piston**

Model	Gallons / Liters per Minute			Min. ID Air Supply Hose in. / mm	Air Consumption Per Cycle			
	30 CPM	50 CPM	70 CPM		SCFM@70 psig	M <sup>3</sup> /min.@5 bar	SCFM@100 psig	M <sup>3</sup> /min.@7 bar
2069*	.6 / 2.3	1.0 / 3.8	1.5 / 5.7	1/2" / 12	.48	.0014	.66	.019
2076*	.6 / 2.3	1.0 / 3.8	1.5 / 5.7	1/2" / 12	.48	.0014	.66	.019
2068*	.9 / 3.3	1.5 / 5.5	2.2 / 8.2	1/2" / 12	.48	.0014	.66	.019
2075*	.9 / 3.3	1.5 / 5.5	2.2 / 8.2	1/2" / 12	.48	.0014	.66	.019
2067*	.6 / 2.3	1.0 / 3.8	1.5 / 5.7	3/8" / 10	.31	.009	.37	.011
2074*	.6 / 2.3	1.0 / 3.8	1.5 / 5.7	3/8" / 10	.31	.009	.37	.011
2066*	.9 / 3.3	1.5 / 5.5	2.2 / 8.2	3/8" / 10	.31	.009	.37	.011
2073*	.9 / 3.3	1.5 / 5.5	2.2 / 8.2	3/8" / 10	.31	.009	.37	.011

**Shovel Foot Pumps—Plunger & Bushing**

2004	.3 / 1.0	.5 / 1.7	.7 / 2.6	1/2" / 12	.48	.0014	.66	.019
2008	.3 / 1.0	.5 / 1.7	.7 / 2.6	1/2" / 12	.48	.0014	.66	.019
2010	.4 / 1.5	.6 / 2.5	1.0 / 3.7	1/2" / 12	.48	.0014	.66	.019
2011	.4 / 1.5	.6 / 2.5	1.0 / 3.7	1/2" / 12	.48	.0014	.66	.019
2003	.5 / 1.8	.8 / 5.0	1.2 / 4.5	1/2" / 12	.48	.0014	.66	.019
2007	.5 / 1.8	.8 / 5.0	1.2 / 4.5	1/2" / 12	.48	.0014	.66	.019
2002	.8 / 3.0	1.3 / 5.0	2.0 / 7.5	1/2" / 12	.48	.0014	.66	.019
2006	.8 / 3.0	1.3 / 5.0	2.0 / 7.5	1/2" / 12	.48	.0014	.66	.019
2045	.3 / 1.0	.5 / 1.7	.7 / 2.6	3/8" / 10	.31	.009	.37	.011
2049	.3 / 1.0	.5 / 1.7	.7 / 2.6	3/8" / 10	.31	.009	.37	.011
2044	.4 / 1.5	.6 / 2.5	1.0 / 3.7	3/8" / 10	.31	.009	.37	.011
2048	.4 / 1.5	.6 / 2.5	1.0 / 3.7	3/8" / 10	.31	.009	.37	.011
2043	.5 / 1.8	.8 / 5.0	1.2 / 4.5	3/8" / 10	.31	.009	.37	.011
2047	.5 / 1.8	.8 / 5.0	1.2 / 4.5	3/8" / 10	.31	.009	.37	.011
2042	.8 / 3.0	1.3 / 5.0	2.0 / 7.5	3/8" / 10	.31	.009	.37	.011
2046	.8 / 3.0	1.3 / 5.0	2.0 / 7.5	3/8" / 10	.31	.009	.37	.011



### Accessories

#### Drum Covers

##### Model 81538

Standard 16 gallon drum cover for mounting PowerMaster II and III drum pumps to full open drums.



81538

##### Model 81412

Standard 55 gallon drum cover for mounting PowerMaster II & III Series drum pumps on full open drums.



81412

##### Model 83166

Same as 81412 except includes a port for installation of material agitator.

#### Follower Plates

Recommended when pumping lubricants that will not seek their own level.

##### Model 84775

Deluxe universal follower for use with 25-50 lb. containers for 1", 1 1/4", 1 1/2" diameter pump tubes. All rubber unit ensures complete grease dispensing to the bottom of dented or plastic lined drums; wipes pail or drum clean. Metal cap holds insert firmly in place, ensuring seal and maintaining vacuum.



84780

##### Model 84780

Same as 84775 except for use with 120 lb. containers for 1", 1 1/4", 2 1/8" diameter pump tubes.



83369

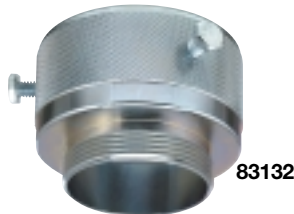
##### Model 83369

For 400 lb. drums. Diameter 21 5/8".

#### Other Accessories

##### Model 83132 Bung Bushing

Screws in bung opening of 120 lb. or 400 lb. drums and custom-built tanks to secure any PowerMaster II or III Series pump. Plated to resist rust. Threaded 2" NPT(m).



83132

##### Model 82979 Bung Sealing Kit

Use with 81482 drum to keep oil from splashing onto drum cover top.

##### Model 83727 Standpipe Assembly

Mounts PowerMaster II or III pump on floor to accept suction line from bulk tank. Inlet 3" NPTF. 7 1/2" (19mm) h; 8" (200mm) dia.

*NOTE: PowerMaster III requires 83732 standpipe assembly adapter kit.*



83727



### Accessories

#### Pump Hoists

#### Model 1709 Single Post Elevator

Ideal for contractor use. Can be mounted on truck body or used in maintenance shop for fast power-operated drum changing. Lifts any Lincoln Industrial pump from one 400 lb. or 120 lb. drum and lowers it into another. Can serve one or a cluster of four drum pumps from one location.

#### Model 2716 Single Post Primer

Air operated single post pump hoist for 55 gallon drums performs several functions in applications of low to medium viscosity materials. Facilitates drum changeovers. Includes follower and wiper which uses normal suction to help maintain pump prime. Includes mounting bracket for all PowerMaster III pumps.



### Specifications

Model	Height		Operating Air Pressure psi / bar	Beam		Lift Capacity
	Lowered	Raised		Length	Rotation	
1709	70 <sup>1</sup> / <sub>2</sub> " / 1.8m	108 <sup>1</sup> / <sub>2</sub> " / 2.8m	50-200 / 3-14	19" / .5m	360°	400 lb / 182kg
2716	73" / 1.9m	110 <sup>1</sup> / <sub>2</sub> " / 2.8m	40-200 / 3-14	19" / .5m	360°	400 lb / 182kg

NOTE: A butyl rubber wiper is available for 2716 primer for materials not compatible with Buna-N; order 34555 separately.

### Drum Dollies

#### Model 84377 400 lb. Drum Dolly

Use with any 400 lb. drum. ID 23<sup>1</sup>/<sub>4</sub>", height 5<sup>1</sup>/<sub>4</sub>", hard rubber wheels: 1" wide, 2<sup>1</sup>/<sub>2</sub>" dia.



84377

#### Model 84192 120 lb. Band Dolly

Band-type dolly for use with 120 lb. refinery containers; caster 66060.



84192

#### Model 66060 Caster for Roll-A-Round Base Units

Standard equipment on Lincoln Industrial drum and band dollies.



66060

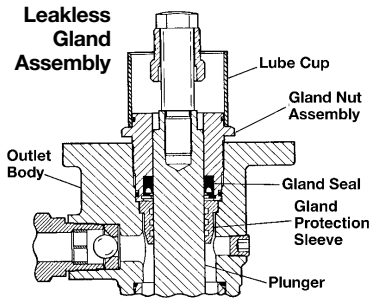
## Optional Kits

### Patented\* Leakless Gland Assembly

The gland seal of all reciprocating positive displacement pumps is its weakest point and is the single most common cause of pump failure, lost downtime and maintenance expense. Lincoln Industrial's new gland design uniquely addresses the causes for premature gland seal failure.

A special protective bushing (or sleeve) with concentric grooves creates a labyrinth path to reduce the internal operational pressure as well as the pressure fluctuations developed during pump stroke changeover.

Leakless gland assembly is standard with packed piston pumps and is available for all PowerMaster III Pumps as an accessory.

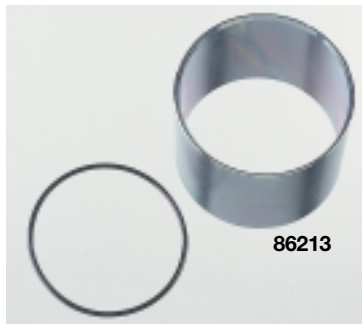


86215

\* U.S. Patent No. 4,976,192

### Gland Protection Sleeves

Model	Pump Tube
86215	84997 & 84998
86216	84993 & 84994
86217	84995 & 84996
86218	84991 & 84992



86213

### Model 86213 Lube Cup Kit

For all PowerMaster® III pump tubes. Used in conjunction with the gland protection sleeve to prolong service life of gland packing. Prevents material from drying out on plunger.



84502

### Packing Kits for PowerMaster® III Pump Tubes

Lincoln Industrial offers alternate packing kits of Teflon, Ultra-High Molecular Weight (UHMW) Polyethylene and Viton for some PowerMaster III Pump Tubes because many materials used in today's manufacturing environment may not be compatible with the standard seals. Please consult Lincoln Industrial for compatibility of the material to be dispensed with standard packings or alternate packing kits.

Model	Teflon Kit®	UHMW Polyethylene Kit	Viton Kit®
84976	86223	86225	86227
84977	86223	86225	86227
84978	86224	86226	86228
84979	86224	86226	86228
84981	84502	—	86221
84982	84502	—	86221
84984	84502	—	86221
84985	84502	—	86221
84986	84502	—	86221
84987	84502	—	86221

## Accessories

### Model 84963 Flange Mounting Assembly

For rigid mounting of PowerMaster III pumps to the top of fabricated bulk tanks.



84963

### Model 84826 Wall Mounting Bracket Kit

For PowerMaster III air motor assemblies.



84826

### Model 83732 Standpipe Adapter Kit

Necessary to assemble PowerMaster III pumps to 83727 standpipe assembly for pumping from bulk tanks.

### Model 84722 Muffler Adapter Kit

Replaces standard built-in muffler on Series III air motors. Pipes exhaust away from the pump. Converts exhaust port to 3/4" NPT(f) thread



84722

### 3:1 – 5:1 • Motor Oil, ATF, Gear Lube and Other Fluid Lubricants

#### The 3:1 and 5:1 Stub Pump Family from Lincoln Industrial

For over 75 years, Lincoln Industrial's exclusive pump designs have proven their superiority in application after application. And our lineup of strong, silent oil-dispensing pumps is no exception.

Both our stub pumps are built with the same rugged reliability and powerful performance you've come to expect from Lincoln Industrial. They're super quiet—the quietest pumps on the market. They deliver increased output for faster product delivery. And they let you handle a wider range of applications with total mounting flexibility.

Lincoln Industrial has taken the time proven pump design of the Lincoln Industrial 84933 5:1 pressure ratio balanced double-acting oil stub pump and created a more compact air motor to produce a 3:1 pressure ratio balanced double-acting oil stub pump, model 282396. This new pump creates a versatile, economical, reliable and smooth delivering lower pressure version of the Lincoln Industrial 5:1 ratio pump.

Since the 282396 balanced double-acting 3:1 pressure ratio oil stub pump and the 84933 balanced double-acting 5:1 pressure ratio oil stub pump share all dimensions other than air motor cylinder diameter, these pumps are now directly interchangeable without piping changes.

The Lincoln Industrial oil pump design enables all pump users to choose 3:1 ratio or 5:1 ratio pump models to suit their specific application.



282396



84933

#### Series 25 & 40 Oil Pump Features

- More powerful. 25 cu. in. or 40 cu. in. air motor with universal mounting capability.
- Balanced double-acting pump design provides uniform output and stroke for less pulsation (7.5 cu in./cycle).
- Longer Life. Full 4 1/2" stroke for fewer cycles per gallon dispensed.
- Lightweight, corrosion-resistant zinc head casting design incorporates uniform wall thickness. Keeps pumping while other pumps slow down or stop due to "icing".
- 150 PSI air motor with integral patented muffler. Keeps noise below OSHA standards without compromising performance.
- Ball check valve helps keep pump primed.
- Pneumatically assisted mechanical air valve assures positive tripping
- Springless air motor construction prevents premature pump failure due to spring fatigue.
- Precision-machined, hardened steel slide valve for longer life.
- Designed for greater cycle rates. Exceeds maximum limits recommended for competitive pumps.
- Large Pump Outlet. 1/2" NPT(f)
- Easier serviceability. Majority of parts are common with other series 20, 25 and series 40 pumps.
- Each pump is 100% electronically tested to assure quality performance.
- Backed by most extensive, qualified service network in the industry.
- Large Pump Inlet. 1" NPT(f) inlet with 1 1/2" NPT(m) pump inlet for versatile pump mounting and full oil flow.
- Backed by our one year limited warranty. See your Lincoln Industrial representative for details.



### 3:1 – 5:1 • Motor Oil, ATF, Gear Lube and Other Fluid Lubricants

Now you can build your 3:1 ratio or 5:1 ratio oil pump with a stub pump plus suction kit or you can order complete models. You make the choice.

#### Series 25 Pumps

This 2" diameter, 25 cubic inch displacement stub pump family is based on our 3:1 ratio 282396 bare stub pump.

#### Model 282398

3:1 pressure ratio stub pump assembly comes complete with 282396 bare stub pump, 85935 pump cover kit, 73024 oil connecting hose, air connecting hose, 241584 90° volume union elbow, 815 air coupler, 11659 air nipple and 84538 bung bushing. Delivers a uniform 6 gallons of product per minute free delivery. Ideal for dispensing fluids from drums, tanks or remote standpipe mount.

#### Series 40 Pumps

This industry proven 2 1/2" diameter, 40 cubic inch displacement stub pump family is based on the Lincoln Industrial 5:1 ratio 84933 bare stub pump.

#### Model 84934

5:1 pressure ratio stub pump assembly comes complete with 84933 bare stub pump, 85935 pump cover kit, 73024 oil connecting hose, 72024 air connecting hose, 241584 90° volume union elbow, 815 air coupler, 11659 air nipple and 84538 bung bushing. Delivers a uniform six gallons of product per minute free delivery.

### Versatile Stub Pump Mounting Options



#### Standpipe and wall mount assembly to remote bulk tanks

3:1 (282398) or 5:1 (84934) pump, wall mount kit (84940), low level cut-off (84946) or foot valve (85765).



#### Wall mount to any size drum

3:1 (282398) or 5:1 (84934) pump, wall mount kit (84940), suction kit (84945) and low level cut-off (84946) or foot valve (85765).



#### Above ground tank

(275 gallon tank shown) 3:1 (282398) or 5:1 (84934) pump and universal suction kit (85949).



#### 55 gallon drum mount using bung bushing

3:1 (282398) or 5:1 (84934) pump and 55 gallon drum suction (85755).



#### 16 gallon drum mount using drum cover

3:1 (282398) or 5:1 (84934) pump, drum cover (46007) and 16 gallon drum suction kit (85716).



#### 55 gallon drum mount on lube truck using drum cover

3:1 (282398) or 5:1 (84934) pump, eyebolt kit (84941), drum cover/tie-down kit (83115) and 55 gallon drum suction kit (85755).

**Series 25 • 3:1 • Motor Oil, ATF, Gear Lube and Other Fluid Lubricants**

**Shop/Plant Applications**  
**16 Gallon Drums**

**Model 2434**

Complete with 282686 pump, 83447 elevator assembly, 73060 lubricant connecting hose, 241584 volume elbow, 72060 air connecting hose, 815 air coupler, 11659 air nipple. Overall height is 39 1/4" with drum, 67 1/4" with elevator raised.

**Model 2437**

Same as 2434, but without elevator.

**55 Gallon Drums**

**Model 2424**

Comes complete with 282133 pump, 84538 2" NPT(m) bung bushing, to fit original 55 gallon bung opening drums, 241584 volume union elbow, 815 air coupler, 11659 air nipple, 73060 lubricant connecting hose and 72060 air hose.

**Model 284168**

Comes complete with 282396 pump and 85949 universal suction tube kit, 84538 bung bushing, air and lubricant connecting hose. Pumps oil, gear lube, ATF, etc. from tanks, drums.

**Lube Truck/Mobile Applications – 16 Gallon Drum**

**Model 284288**

Contractor pump assembly for 16 gallon drums, comes complete with 282686 pump, 84941 eyebolt kit and 82989 drum cover with tie down assembly providing a rigid and sealed drum mount for protection against the elements. Air coupler and air nipple also included.

**Model 282990**

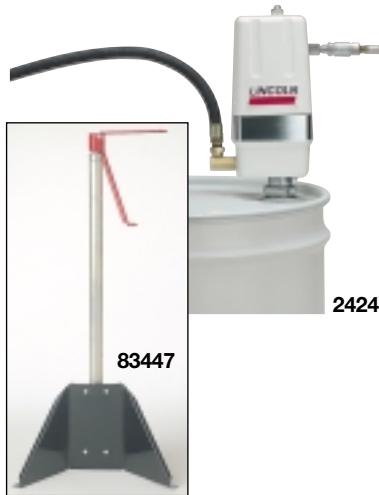
Contractor pump assembly same as 284288 except without 82989 drum cover or tie down assembly but, with 84538 bung bushing.

*(NOTE: Order 83119 tie rod assembly separately for 16 gallon drums using 282990 bung mounted pump.)*

**55 Gallon Drum**

**Model 284231**

Contractor pump assembly for 55 gallon drums, comes complete with 282133 pump, 84941 eyebolt kit and 83115 drum cover with tie down assembly providing a rigid and sealed drum mount for protection against the elements. Air coupler and air nipple also included.



All models based on the 282396 series 25 3:1 bare oil pump which delivers 6 gpm free flow plus a suction tube.

**Series 25 Oil Pumps**

Model	Description	Bare Pump No.	Free Delivery	Ratio	Drum Size	Air Inlet	Material Outlet	Use/ Location
2424	Stationary	282133	6 gallons	3:1	55 gallon	1/4" NPT	1/2" NPT	shop
2434	Stationary w/elev.	282686	6 gallons	3:1	16 gallon	1/4" NPT	1/2" NPT	shop
2437	Stationary	282686	6 gallons	3:1	16 gallon	1/4" NPT	1/2" NPT	shop
282133	Bare drum pump	282396	6 gallons	3:1	55 gallon	1/4" NPT	1/2" NPT	replacement
282396	Bare stub pump	282396	6 gallons	3:1	stub/universal	1/4" NPT	1/2" NPT	universal
282398	Stub pump assemb.	282396	6 gallons	3:1	stub/universal	1/4" NPT	1/2" NPT	universal
282686	Bare drum pump	282396	6 gallons	3:1	16 gallon	1/4" NPT	1/2" NPT	replacement
282990	Lube truck	282686	6 gallons	3:1	16 gallon	1/4" NPT	1/2" NPT	lube truck
284168	Stationary tank	282396	6 gallons	3:1	250/275 gallon	1/4" NPT	1/2" NPT	shop
284231	Lube truck	282133	6 gallons	3:1	16 gallon	1/4" NPT	1/2" NPT	lube truck
284288	Lube truck	282686	6 gallons	3:1	16 gallon	1/4" NPT	1/2" NPT	lube truck



### Series 40 • 5:1 • Motor Oil, ATF, Gear Lube and Other Fluid Lubricants

#### Shop/Plant Applications 16 Gallon Drums

##### Model 2532

Complete with 285686 pump, 83447 elevator assembly, 73060 lubricant connecting hose, 241584 volume elbow, 72060 air connecting hose, 815 air coupler, 11659 air nipple. Overall height is 39<sup>1</sup>/<sub>4</sub>" with drum, 67<sup>1</sup>/<sub>4</sub>" with elevator raised.

##### Model 2537

Same as 2532, but without elevator.

#### 55 Gallon Drums

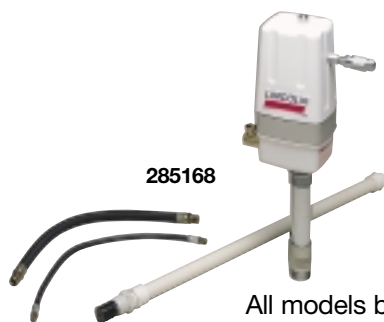
##### Model 2524

Comes complete with 285133 pump, 84538 2" NPT(m) bung bushing, to fit original 55 gallon bung opening drums, 241584 volume union elbow, 815 air coupler, 11659 air nipple, 73060 lubricant connecting hose and 72060 air hose. Order drum cover 81523 separately.



##### Model 285168

Comes complete with 84933 pump and 85949 universal suction tube kit, 84538 bung bushing, air and lubricant connecting hose. Pumps oil, gear lube, ATF, etc. from tanks, drums.



#### Lube Truck/Mobile Applications—16 Gallon Drum

##### Model 285288

Contractor pump assembly for 16 gallon drums, comes complete with 285686 pump, 84941 eyebolt kit and 82989 drum cover with tie down assembly providing a rigid and sealed drum mount for protection against the elements. Air coupler and air nipple also included.

##### Model 285990

Contractor pump assembly same as 285288 except without 82989 drum cover or tie down assembly but, with 84538 bung bushing.

(NOTE: Order 83119 tie rod assembly separately for 16 gallon drums using 285990 bung mounted pump.)

#### 55 Gallon Drum

##### Model 285231

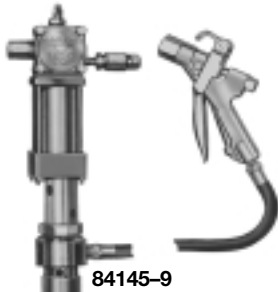
Contractor pump assembly for 55 gallon drums, comes complete with 285133 pump, 84941 eyebolt kit and 83115 drum cover with tie down assembly providing a rigid and sealed drum mount for protection against the elements. Air coupler and air nipple also included.

All models based on the 84933 Series 40 5:1 bare oil pump which delivers 6 gpm free flow plus a suction tube.

### Series 40 Oil Pumps

Model	Description	Bare Pump No.	Free Delivery	Ratio	Drum Size	Air Inlet	Material Outlet	Use/Location
2524	stationary 55 gal.	285133	6 gallons	5:1	55 gallon	1/4" NPT	1/2" NPT	shop
2532	stationary 16 gal.	285686	6 gallons	5:1	16 gallon	1/4" NPT	1/2" NPT	shop
2537	stationary 16 gal.	285686	6 gallons	5:1	16 gallon	1/4" NPT	1/2" NPT	shop
84933	bare stub pump	84933	6 gallons	5:1	stub/universal	1/4" NPT	1/2" NPT	universal
84934	stub pump assemb.	84933	6 gallons	5:1	stub/universal	1/4" NPT	1/2" NPT	universal
285133	bare drum pump	84933	6 gallons	5:1	55 gallon	1/4" NPT	1/2" NPT	replacement
285168	stationary tank	84933	6 gallons	5:1	250 or 275 gal.	1/4" NPT	1/2" NPT	shop
285231	lube truck	285133	6 gallons	5:1	55 gallon	1/4" NPT	1/2" NPT	lube truck
285288	lube truck	285686	6 gallons	5:1	16 gallon	1/4" NPT	1/2" NPT	lube truck
285686	bare drum pump	84933	6 gallons	5:1	16 gallon	1/4" NPT	1/2" NPT	replacement
285990	lube truck	285686	6 gallons	5:1	16 gallon	1/4" NPT	1/2" NPT	lube truck



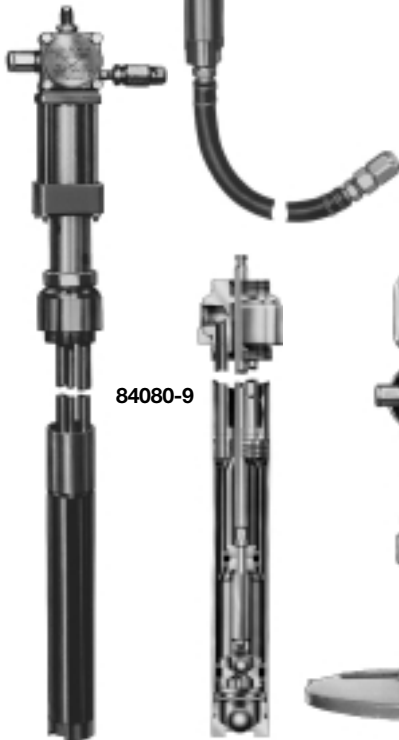


### 3:1 Ratio • Corrosive Fluids

#### Series 20 Pumps/3:1 Pressure Ratio

#### Model 84145-9 Stainless Steel

For pumping synthetic hydraulic oil, anti-freeze, or other corrosive products. Pump may be coupled to standpipe, mounted with bracket and suction kit, or pump tube extension may be added for bung mounting to bulk tank, 2.5 gallon a minute free delivery. Pump tube constructed of 316 stainless steel and features Teflon® packings, air inlet 1/4" NPT(f), material outlet 1/2" NPT(f) comes with air coupler and plug and 84147-9 product check assembly.



#### Model 84080-9 Stainless Steel

Recommended for use with anti-freeze, solvents and windshield washer solution. 316 Series stainless steel construction and Teflon packings assures long life. 3:1 ratio pump for transfer of corrosive or toxic fluids. Mounts on 55 gallon bung opening drums. Delivers 2.5 GPM. Lasts longer than carbon steel models in corrosive service. Maximum air pressure 125 psi.

#### Model 84150-9 Stainless Steel

Same as 84080-9, except includes cover for mounting on a 5 gallon pail.



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#### WARNING

For safe and proper use, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.



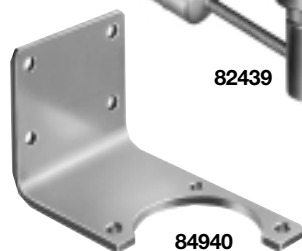
84538



82439



84946



84942



84945



85716



85755



85949

### Series 25 & 40

#### Bung Bushing / Low Level Cut-Off / Foot Valves

Model	Description	Threaded Connection	Notes
84538	Pump bung bushing	2" (m)	Mounts series 25 or 40 pump to 2" oil drum opening
82439	Low level cutoff	1 1/2" NPT(m)	Used with "new oil" oil pumps
84946	Low level cutoff	1" NPT(m)	Used with "new oil" oil pumps
85765	Foot valve	1" NPT(f)	Used with "new oil" oil pumps

#### Wall Mount Kits

Model	Description	Notes
84940	Wall mount kit-Series 25 & 40	Used with 84945 Suction Kit
84942	Flange mount kit-Series 25 & 40	Mounts pump to custom made tanks (lube trucks)

#### Suction Kits

Model	Description	Threaded Connection	Notes
84945	Remote suction kit	1" NPT(f)	Includes 5' oil hose, bung bushing and 1" x 32" pipe
85716	16 gal. drum suction kit	1" NPT(m)	Adapts any series 25 or 40 oil pump to 16 gallon drum
85755	55 gal. drum suction kit	1" NPT(m)	Adapts any series 25 or 40 oil pump to 55 gallon drum
85949	Universal suction kit	1" NPT(m)	Adapts any series 25 or 40 oil pump to drum or tank use

#### Pump Covers

Model	Description	Notes
84935	Pump cover	Series 20 pumps
85935	Pump cover	Series 25 & 40 pumps

#### Hose

Model	Description	Threaded Connection	Notes
72036	3' low pressure connecting	1/4" NPT(m)	Max working pressure: 250 PSI
72060	5' low pressure connecting	1/4" NPT(m)	Max working pressure: 250 PSI
73036	3' medium pressure connecting	1/2" NPT(m)	Max working pressure: 1000 PSI
73060	5' medium pressure connecting	1/2" NPT(m)	Max working pressure: 1000 PSI

#### Eye Bolt Kit

##### Model 84941

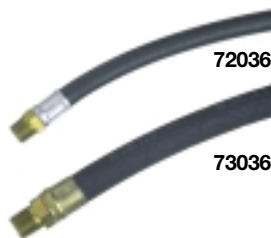
Eye bolt kit for all series 20, 25 and 40 pumps, makes drum changing easy. Two part kit screws directly onto pump for lifting with pump elevator.

#### Shut-Off Valves

See *Fittings and Accessories* section for pump shut-off valves.



84941



72036



72060

**Medium Pressure • Gear Lube and ATF**  
**Air Operated Mobile Gear Lube Dispenser**

- Fast, clean refilling using efficient Lincoln Industrial air operated pumps.
- 3:1 (2435) and 5:1 (2535) pump ratios delivers gear oil with minimum air consumption.
  - Air expeller built into pump tube prevents air from registering through meter.
  - Large replaceable swivel casters provide ease of maneuverability (mobile models).
  - Baked on enamel finish retards rust and corrosion.
  - Includes air coupler 815 and 780 shut-off valves. Drum not included.



2535



535



1253



1254



1293



527A

**Gear Lube Dispenser**

These quality manually operated pumps provide fast, clean refilling of differentials, gear cases and final drives.

- Cast iron pump outlet body and handle (except 1293) provide durability and longevity.
- Metered models have air expeller built into pump tube (prevents air from registering on meter).
- Large replaceable swivel casters provide ease of maneuverability (mobile models).
- Baked enamel finish helps prevent rust and corrosion.
- Self contained units and sealed models prevent contamination or spillage of product being dispensed.
- Smooth, easy pumping action (no crank or gears) dispenses all types of gear lubricants, even in the coldest weather.

**ATF Dispenser**

Provides fast, clean refilling of all types of transmissions. Ideal for passenger vehicles, light trucks and vans.

- Cast iron pump outlet body and handle provide durability and longevity.
- Air expeller built into pump tube prevents air from registering through meter.
- Large replaceable swivel casters provide ease of maneuverability (mobile models).
- Baked on enamel finish retards rust and corrosion.
- Smooth, easy pumping action for positive fluid dispensing, even in the coldest weather.

**WARNING**

For safe and proper use of pumps, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.

# General Lubrication Products

## Medium Pressure Portable/Manual Fluid Pumps



### Air Operated Mobile Gear Lube Dispensers

Model	Container	Meters	Style	Base	Hose Length	Pump Tube	Nozzle	Output
2435	120 lb.	870 (pint)	Drum cover	80895 roll-a-round	5 ft. (73060)	253/4"	780	6 GPM
2535	120 lb.	870 (pint)	Drum cover	80895 roll-a-round	5 ft. (73060)	25 <sup>3</sup> / <sub>4</sub> "	780	6 GPM
2435LN	120 lb.	2873 (liter)	Drum cover	80895 roll-a-round	5 ft. (73060)	253/4"	780	6 GPM
2535LN	120 lb.	2873 (liter)	Drum cover	80895 roll-a-round	5 ft. (73060)	25 <sup>3</sup> / <sub>4</sub> "	780	6 GPM

### Manual Gear Lube Dispensers

535	120 lb.	2870 (pints)	15" ID drum cover	80895 roll-a-round	5 ft. (74560)	25 <sup>3</sup> / <sub>4</sub> "	80599	*
535LN	120 lb.	2873 (liters)	15" ID drum cover	80895 roll-a-round	5 ft. (74560)	25 <sup>3</sup> / <sub>4</sub> "	80599	*
535-58	120 lb.	2870 (pints)	15" ID drum cover	none	5 ft. (74560)	25 <sup>3</sup> / <sub>4</sub> "	80599	*
535-58LN	120 lb.	2873 (liters)	15" ID drum cover	none	5 ft. (74560)	25 <sup>3</sup> / <sub>4</sub> "	80599	*
549	120 lb.	none	15" ID drum cover	80895 roll-a-round	5 ft. (74560)	25 <sup>3</sup> / <sub>4</sub> "	80599	*
549-58	120 lb.	none	15" ID drum cover	none	5 ft. (74560)	25 <sup>3</sup> / <sub>4</sub> "	80599	*
1253	30 lb. bulk	2870 (pints)	self cont. handle	Int. 9" dia / 13 <sup>3</sup> / <sub>4</sub> "w	5 ft. (74560)	17" below rim	80599	*
1253LN	30 lb. bulk	2873 (liters)	self cont. handle	Int. 9" dia / 13 <sup>3</sup> / <sub>4</sub> "w	5 ft. (74560)	17" below rim	80599	*
1254	30 lb. bulk	none	self cont. handle	Int. 9" dia / 13 <sup>3</sup> / <sub>4</sub> "w	5 ft. (74560)	13" below rim	80599	*
1293	30 lb. bulk	none	12" ID clamp-on carry	none	5 ft. (74560)	13" below rim	80999	**

### ATF Dispensers

527	120 lb.	-	15" ID drum cover	80895 roll-a-round	7 ft. (91265)	25 <sup>3</sup> / <sub>4</sub> " below rim	93547	***
527A	120 lb.	882 (quarts)	15" ID drum cover	80895 roll-a-round	7 ft. (91265)	25 <sup>3</sup> / <sub>4</sub> " below rim	93547	***
527LN	120 lb.	2873 (liters)	15" ID drum cover	80895 roll-a-round	7 ft. (91265)	25 <sup>3</sup> / <sub>4</sub> " below rim	93547	***

\* 1 pt. per 7 strokes using SAE 90 Gear Lubricator at 70°F

\*\* 1 oz. per stroke using SAE 90 at 70°F

\*\*\* 8 strokes per quart

### Motor Oil, ATF, Gear Lube and Other Solutions

#### PowerMaster Pump Features

- Gives years of dependable trouble-free operation.
- Costs much less to operate—costs much less to maintain.
- High volume output—air motor has 4 1/2" long stroke for powerful, uniform delivery on both up and down strokes.
- Shovel type pump tube used to aid mechanical priming to normal suction when needed.
- Pump outlet body of all-steel construction designed to withstand pulsation and extreme pressure. All wearing parts are tough, heat-treated steel.
- Trouble-free, positive performance. Air motor operation has no springs to wear out, rust or lose tension. Air valve is stall-proof, leak-proof and pre-lubricated. Double-acting mechanisms ensure dependable low-surge operation with minimum air consumption.
- Large air passages allow unrestricted exhaust.
- Simplified maintenance. Design of pump tube allows for easy disassembly. Air motor piston and cylinder...no oiling required, minimum friction, no leather cups.



#### Ball Type Medium Pressure Pumps

Model	Ratio	Pump Tube Type	Air Motor	Diameter in. / mm	Pump Tube	Material Outlet**	Output per cycle cu. in / cc	Approx. Cycles per gal / liter
1931	4:1	55 gal	82737	2 1/2" / 57	82790	3/4" NPTF	9 / 148	26 / 7
1952	6:1	55 gal	82895	3" / 76	82790	3/4" NPTF	9 / 148	26 / 7
1901	12:1	55 gal	82730	4 1/4" / 108	82790	3/4" NPTF	9 / 148	26 / 7
1936	4:1	16 gal	82737	2 1/2" / 57	82773	3/4" NPTF	9 / 148	26 / 7
1955	6:1	16 gal	82895	3" / 76	82773	3/4" NPTF	9 / 148	26 / 7
1905	12:1	16 gal	82730	4 1/4" / 108	82773	3/4" NPTF	9 / 148	26 / 7

#### Medium Pressure Stub Pumps

1940	4:1	stub	82737	2 1/2" / 57	84335	3/4" NPTF	9 / 148	26 / 7
1951	6:1	stub	82895	3 / 76	84335	3/4" NPTF	9 / 148	26 / 7
1914	12:1	stub	82730	4 1/4 / 108	84335	3/4" NPTF	9 / 148	26 / 7

#### Shovel Type Medium Pressure Pumps

1932	8:1	55 gal	82737	2 1/2" / 57	82791	3/4" NPTF	5 / 82	46 / 12
1933	13:1	55 gal	82737	2 1/2" / 57	82792	3/4" NPTF	2.8 / 46	83 / 22
1902'	24:1	55 gal	82730	4 1/4 / 108	82791	3/4" NPTF	5 / 82	46 / 12
1934'	25:1	55 gal	82737	2 1/2" / 57	82793	3/4" NPTF	1.6 / 26	144 / 39
1937	8:1	16 gal	82737	2 1/2" / 57	82840	3/4" NPTF	5 / 82	46 / 12
1938	13:1	16 gal	82737	2 1/2" / 57	82841	3/4" NPTF	2.8 / 46	83 / 22
1906'	24:1	16 gal	82730	4 1/4 / 108	82840	3/4" NPTF	5 / 82	46 / 12
1939'	25:1	16 gal	82737	2 1/2" / 57	82883	3/4" NPTF	1.6 / 26	144 / 39

\* Not to be used with meters. \*\* All PowerMaster pumps include 12018, 3/4" NPTF(m) x 1/2" NPTF(f) bushing in the material outlet.

NOTE: Model number with "-1" indicates model including bung bushing (ex., 1935-1).

Model number with "-2" indicates model including drum cover (ex., 1935-2).



84164

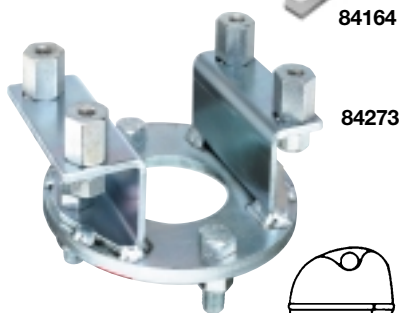
### Mounting Accessories

#### Model 84164 for Wall Mounting

For wall mounting of PowerMaster II pumps.

#### Model 84273 for Bulk Tank Mounting

Bulk tank flange mounting assembly for mounting pump to fabricated bulk tanks.



84273

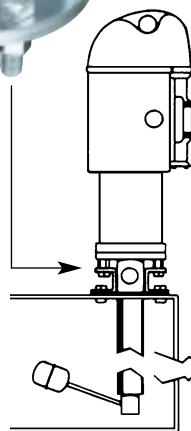
### Other Accessories

#### Model 66764 Muffler

For use on pump stations that incorporate the PowerMaster II air motor, 3/4" NPT(m). Two required per air motor.



66764



## Ball Type Medium Pressure Drum Pumps

Model	Gallons / Liters per Minute			Min. ID Air Supply Hose in. / mm	SCFM@70 psig	Air Consumption Per Cycle		
	30 CPM	50 CPM	70 CPM			M <sup>3</sup> /min.@5 bar	SCFM@100 psig	M <sup>3</sup> /min.@7 bar
1931	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	3/8" / 10	.17	.005	.21	.006
1901	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	1/2" / 12	.5	.014	.62	.017
1952	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	3/8" / 10	2.5	.007	.31	.009
1936	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	3/8" / 10	.17	.005	.21	.006
1955	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	3/8" / 10	2.5	.007	.31	.009
1905	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	1/2" / 12	.5	.014	.62	.017

## Medium Pressure Stub Pumps

1940	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	3/8" / 10	.17	.005	.21	.006
1951	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	3/8" / 10	2.5	.007	.31	.009
1914	1.1 / 4.4	1.9 / 7.4	2.7 / 10.3	1/2" / 12	.5	.014	.62	.017

## Shovel Type Medium Pressure Drum Pumps

1932	.6 / 2.4	1 / 4.1	1.5 / 5.7	3/8" / 10	.17	.005	.21	.006
1933	.4 / 1.4	.6 / 2.3	.8 / 3.2	3/8" / 10	.17	.005	.21	.006
1902'	.6 / 2.4	1 / 4.1	1.5 / 5.7	1/2" / 12	.5	.014	.62	.017
1934'	.2 / .8	.3 / 1.3	.5 / 1.8	3/8" / 10	.17	.005	.21	.006
1937	.6 / 2.4	1 / 4.1	1.5 / 5.7	3/8" / 10	.17	.005	.21	.006
1938	.4 / 1.4	.6 / 2.3	.8 / 3.2	3/8" / 10	.17	.005	.21	.006
1906'	6 / 2.4	1 / 4.1	1.5 / 5.7	1/2" / 12	.5	.014	.62	.017
1939'	.2 / .8	.3 / 1.3	.5 / 1.8	3/8" / 10	.17	.005	.21	.006



**Features**

- State of the art, fully pneumatic air motors 3"-4 1/4" (76-101 mm).
- Full 6" (152 mm) stroke.
- Modular design for easy repair.
- Only 5 moving parts, no metal to metal contact in air motor.
- Newly designed pump tubes offer ratios and outputs to fit any application.
- Available to fit any drum or pail size, or bulk tanks.
- Offered in carbon steel, 316 stainless steel or hard chrome plated pump tubes.
- Complete selection of packing materials available.
- Full line of priming equipment and mounting devices.

**Series III Air Motors**

- Full pneumatic operation for longer life and durability. Only 5 moving parts.
- Total modular design for ease of service and maintenance.
- Quiet operation. Meets or exceeds OSHA requirements at all recommended operation air pressures.
- Interchangeable with all PowerMaster® III pump tubes.
- Acceptability of pump monitors and controls, such as AirBrake™.

**Medium Viscosity Pumps—Carbon Steel for Transfer of Non-Corrosive Materials**

**Ball Pumps (continued on next page across)**

Model	Ratio	Pump Tube Type	Air Motor	Diameter in. / mm	Pump Tube	Material Outlet**	Output per cycle cu. in / cc	Approx. Cycles per gal / liter
2001 <sup>1</sup>	12:1	55 gal	84804	4 / 108	84985	3/4"	11.9 / 195	20 / 5
2005 <sup>1</sup>	12:1	16 gal	84804	4 / 108	84984	3/4"	11.9 / 195	20 / 5
2014 <sup>1</sup>	12:1	stub	84804	4 / 108	84986	3/4"	11.9 / 195	20 / 5
2052	6:1	55 gal	84803	3 / 76	84985	3/4"	11.9 / 195	20 / 5
2055	6:1	16 gal	84803	3 / 76	84984	3/4"	11.9 / 195	20 / 5
2051	6:1	stub	84803	3 / 76	84986	3/4"	11.9 / 195	20 / 5

**Hardened Steel For Non-Corrosive Abrasive Materials**

**Ball Pumps (continued on next page across)**

2001-7* <sup>1</sup>	12:1	55 gal	84804	4 / 108	84983	3/4"	11.9 / 195	20 / 5
2052-7* <sup>1</sup>	6:1	55 gal	84804	3 / 76	84983	3/4"	11.9 / 195	20 / 5

**Chrome Plated for Mildly Corrosive & Abrasive Materials**

**Ball Pumps (continued next page across)**

2001-8* <sup>1</sup>	12:1	55 gal	84804	4 / 108	84982	3/4" NPTF	11.9 / 195	20 / 5
2052-8*	6:1	55 gal	84803	3 / 76	84982	3/4" NPTF	11.9 / 195	20 / 5

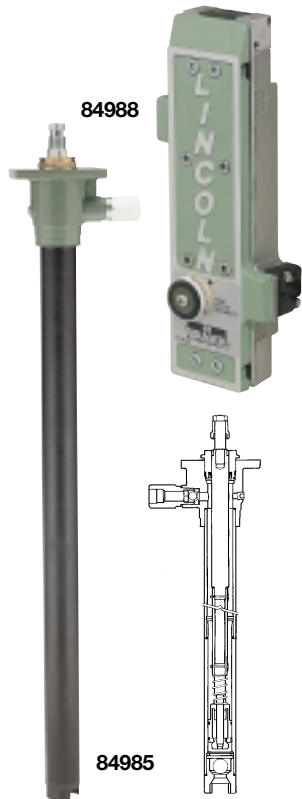
**Stainless Steel For Corrosive & Water Borne Materials**

**Ball Pumps (continued on next page across)**

2051-9	6:1	stub	84803	3 / 76	84986	3/4"	11.9 / 195	20 / 5
2014-9 <sup>1</sup>	12:1	stub	84804	4 / 108	84986	3/4"	11.9 / 195	20 / 5
2052-9	6:1	55 gal	84803	3 / 76	84985	3/4"	11.9 / 195	20 / 5
2001-9 <sup>1</sup>	12:1	55 gal	84804	4 / 108	84985	3/4"	11.9 / 195	20 / 5

\* Order pump tube and air motor separately for these models.

<sup>1</sup> These models are also available with optional 84988 AirBrake assembled to air motor. To order, specify 94804 air motor and pump tube separately.



### Model 84988 AirBrake™

- Shuts down pump when excessive pump cycle speed (runaway) occurs.
- Prevents pump damage due to a runaway condition.
- Indicates system fault caused by empty container or broken supply line.
- Limits spills due to pump outlet hose failure.
- Sends fault signal to remote alarm locations with optional 244398 signal kit.
- Can be ordered already installed (refer to note on Pump Specification Chart below).
- Can be added later. Order 84988.
- Cannot be used with 3" air motor (84803).

### Model 244398 Signal Kit

Optional for remote monitoring of AirBrake. Sends fault signal to remote alarm locations.

### Pump Tubes

#### Ball Foot Design

- For light to medium viscosity, flowable fluids and materials.
- Three styles: stub for bulk mounting, 55 gallon (200 liter) or 16 gallon (60 liter) drum.
- Ratios from 6:1–12:1, outputs to 12 gpm (45 lit./min).
- Complete interchangeability with all Series III Air Motors.
- Exclusive, patented, "leakless" gland assembly kit is available as an accessory.

## Medium Viscosity Pumps—Carbon Steel for Transfer of Non-Corrosive Materials

### Ball Pumps

Model	Gallons / Liters per Minute			Min. ID Air Supply Hose in. / mm	SCFM@70 psig	Air Consumption Per Cycle		
	30 CPM	50 CPM	70 CPM			M <sup>3</sup> min.@5 bar	SCFM@100 psig	M3 min.@7 bar
2001	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	1/2" / 12	.48	.0014	.66	.019
2005	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	1/2" / 12	.48	.0014	.66	.019
2014	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	1/2" / 12	.48	.0014	.66	.019
2052	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	3/8" / 10	.48	.0014	.66	.019
2055	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	3/8" / 10	.48	.0014	.66	.019
2051	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	3/8" / 10	.48	.0014	.66	.019

### Hardened Steel For Non-Corrosive Abrasive Materials

#### Ball Pumps

2001-7*	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	1/2" / 12	.48	.0014	.66	.019
2052-7*	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	3/8" / 10	.31	.009	.37	.011

### Chrome Plated for Mildly Corrosive & Abrasive Materials

#### Ball Pumps

2001-8*	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	1/2" / 12	.48	.0014	.66	.019
2052-8*	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	3/8" / 10	.31	.009	.37	.011

### Stainless Steel For Corrosive & Water Borne Materials

#### Ball Pumps

2051-9	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	3/8" / 10	.48	.0014	.66	.019
2014-9	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	1/2" / 12	.48	.0014	.66	.019
2052-9	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	3/8" / 10	.48	.0014	.66	.0195
2001-9	1.5 / 5.8	2.6 / 9.7	3.9 / 14.6	1/2" / 12	.48	.0014	.66	.019





84963

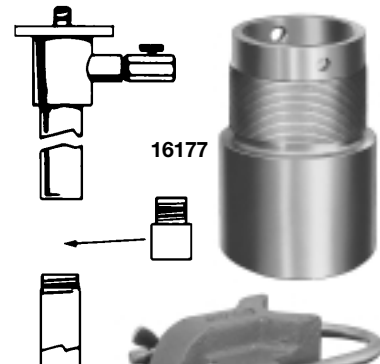


84826



86214

84722



83727

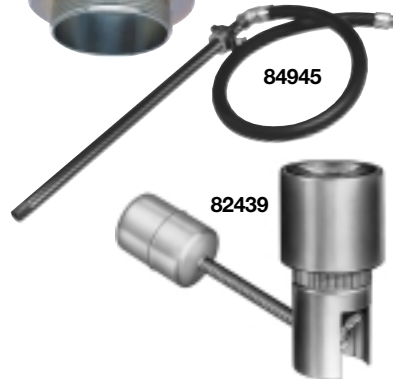


16177

82497



83132



84945

82439

## Accessories

### PowerMaster III only

#### Model 84963 Flange Mounting Assembly

For rigid mounting of PowerMaster III pumps to the top of fabricated bulk tanks.

#### Model 83732 Standpipe Adapter Kit

Necessary to assemble PowerMaster III pumps to 83727 standpipe assembly.

#### Model 84826 Wall Mounting Bracket Kit

For PowerMaster III air motor assemblies.

#### Model 86214 Gland Protection Sleeves

For all ball foot design pump tubes.

#### Model 84722 Muffler Adapter Kit

Replaces standard built-in muffler on Series III air motors. Pipes exhaust away from pump. Converts exhaust port to 3/4" NPT(f) thread.

### PowerMaster II and III

#### Model 83727 Standpipe Assembly

Mounts PowerMaster II or III pump on floor to accept suction line from bulk tank. Inlet 3" NPTF. 7 1/2" (19mm) h; 8" (200mm) dia. PM III requires 83732 adapter kit.

#### Model 16177 Foot Valve Adapter

For extending the length of drum pumps with 82790 and 82773 PowerMaster II pump tubes or 84984 and 84985 PM III pump tubes. When standard pump tubes will not reach the bottom of a tank, install 16177 foot valve adapter, enabling the addition of 1 1/2" NPTF(m) extension pipe (customer furnished).

#### Model 82497 Drum Rim Clamp

Supports 16 or 55 gallon PM II or III drum pumps in a full open drum.

#### Model 83132 Bung Bushing

Screws in bung opening of 400 lb. drums and custom-built tanks to secure any PM II & III pumps. Plated to resist rust. Threaded 2" NPT(m).

#### Model 82979 Bung Sealing Kit

Use with 81482 drum to keep oil from splashing onto drum cover top.

#### Model 1709 Single Post Pump Elevator

See *Accessories* for description and specifications.

#### Model 84945 Suction Kit

For transfer of product from drums, bulk tanks or reservoirs. Includes bung bushing suction tube, hose and coupling assembly, low level cutoff and other hardware. NOTE: 2" x 1" bell reducer required, not included.

#### Model 82439 Low Level Cutoff

Automatically shuts off flow of oil and keeps supply lines primed. Recommended when dispensing oil through metering devices to conform with standards of the National Conference of Weights and Measures. Assembles to 1 1/2" NPT standpipe which assembles to pump.



### Hydraulic Motor for PowerMaster III Pump Tubes

- Safe to use where electric or pneumatic motors may be hazardous.
- Virtually eliminates concerns about air supply condition and exhaust emissions.
- Efficiently generates high material pressure and flow rate with minimum hydraulic power consumption.
- Few internal moving parts. No mechanical linkages or solenoids to fail or wear out.
- An internal changeover circuit requires no external signal for reciprocating action.
- Balanced cylinder design eliminates need for separate stroke adjustments.
- All key components are machined from steel or aluminum to ensure long service life in the toughest applications.
- Hydro-PowerMaster was designed and is manufactured under the strict conditions of an ISO 9001 registered quality system.

### Hydro-PowerMaster Specifications

Model	Cylinder Dia. in. / cm	Piston Rod Dia. in. / cm	Stroke Length in. / cm	Hydraulic Fluid Inlet	Hydraulic Fluid Outlet
85300	2 / 5	1 3/8 / 3.5	6 / 15	SAE 8 (f)	SAE 10 (f)
Model	Operating Press. Range psi / bar	Operating Temp. Range	Fluid Flow Consumption Rate	Recommended Continuous Speed	Wetted Part Materials
85300	300 to 1500 20.4 to 103	-30°F to 200°F -34°C to 93°C	18.8 cu. in/cycle or 1 gal/12 cycle	75 cycles/min	Steel, aluminum, bronze, Nitrile, Teflon, Polyurethane

### PowerMaster III Hydraulic Powered Pumps

**NOTE: Must Order Hydraulic Motor and Pump Tube Separately**

Motor	Pump Tube	Ratio	Drum Size	Material Outlet NPTF	Max. Hyd. Inlet Press. psi / bar	Max. Delivery Press. psi / bar	Max. Free Del. @75 Cycles/Min. gal / liters
85300	84985	1.5:1	55 gal	3/4"	1500 / 103	2250 / 155	3.9 / 14.6
85300	84983	1.5:1	55 gal	3/4"	1500 / 103	2250 / 155	3.9 / 14.6
85300	84982	1.5:1	55 gal	3/4"	1500 / 103	2250 / 155	3.9 / 14.6
85300	84981	1.5:1	55 gal	3/4"	1500 / 103	2250 / 155	3.9 / 14.6
85300	84984	1.5:1	16 gal	3/4"	1500 / 103	2250 / 155	3.9 / 14.6
85300	84986	1.5:1	stub	3/4"	1500 / 103	2250 / 155	3.9 / 14.6
85300	84987	1.5:1	stub	3/4"	1500 / 103	2250 / 155	3.9 / 14.6
85300	84976	2.5:1	55 gal	3/4"	1500 / 103	3750 / 258	2.2 / 8.2
85300	84977	2.5:1	16 gal	3/4"	1500 / 103	3750 / 258	2.2 / 8.2
85300	84978	4:1	55 gal	3/4"	1500 / 103	6000 / 412	1.5 / 5.7
85300	84979	4:1	16 gal	3/4"	1500 / 103	6000 / 412	1.5 / 5.7
85300	84991	3:1	55 gal	3/4"	1500 / 103	4500 / 310	2.0 / 7.5
85300	84992	3:1	16 gal	3/4"	1500 / 103	4500 / 310	2.0 / 7.5
85300	84993	5:1	55 gal	3/4"	1500 / 103	7500 / 317	1.2 / 4.5
85300	84994	5:1	16 gal	3/4"	1500 / 103	7500 / 317	1.2 / 4.5
85300	84995	6:1	55 gal	3/4"	1250 / 86	7500 / 317	1.0 / 3.7
85300	84996	6:1	16 gal	3/4"	1250 / 86	7500 / 317	1.0 / 3.7
85300	84997	9:1	55 gal	3/4"	850 / 58	7650 / 527	.7 / 2.6
85300	84998	9:1	16 gal	3/4"	850 / 58	7650 / 527	.7 / 2.6

**CAUTION:** Do not exceed maximum hydraulic inlet pressure listed for each motor/pump tube combination.



84840

### Standard Pumps • 1:1 Ratio • Double Diaphragm

#### Model 84840

Sturdy aluminum construction. 1/2" NPT(f) inlet and outlet, 1/4" NPT(f) air inlet. Hytrel diaphragms, check balls and check seats.

#### Model 84841

Similar to 84840, except pump includes Teflon® diaphragms, check balls and check seats.

#### Model 84842

Polypropylene construction, 1/2" NPT(f) inlet and outlet, 1/4" NPT(f) air inlet. Hytrel diaphragm, check balls, polypropylene seats.

#### Model 84843

Similar to 84842, except with Teflon diaphragms, check balls and polypropylene seats.

#### Model 84852

Sturdy aluminum construction and Hytrel wetted parts. 1" inlet/outlet.

#### Model 84853

Similar to 84852, except pump includes neophrene backup/Teflon overlay diaphragm, Teflon ball material and Teflon sealing rings.

#### Model 84855

Similar to 84852, except includes Buna-N diaphragms, check balls and aluminum seats.

#### Model 84862

Similar to 84855 except includes 1 1/2" inlet/outlet.

#### Model 84870

Similar to 84862, but includes 2" inlet and outlet (f).



84842

Model	Pump Descrip.	Pump Body	Wetted or Soft Parts	Pump Inlet/Outlet NPT	Max. Free Delivery GPM	Air Inlet NPT(f)	Max. Rec. Inlet Air Pressure	Max. Susp. Solids Dia.	Typical Use
84840	1/2"	aluminum	Hytrel	1/2", 1/2"	16 GPM	1/4"	100 PSIG	1/16"	New oils
84841	1/2"	aluminum	Teflon	1/2", 1/2"	16 GPM	1/4"	100 PSIG	1/16"	New oils, anti-freeze, etc
84842	1/2"	polyprop	Hytrel	1/2", 1/2"	14 GPM	1/4"	100 PSIG	1/16"	New oils
84843	1/2"	polyprop	Teflon	1/2", 1/2"	14 GPM	1/4"	100 PSIG	1/16"	New oils, anti-freeze, etc
84852	1"	aluminum	Hytrel	1", 1"	54 GPM	1/2"	125 PSIG	1/4"	New oils
84853	1"	aluminum	Teflon	1", 1"	54 GPM	1/2"	125 PSIG	1/4"	New oils, anti-freeze, etc
84855	1"	aluminum	Buna-N	1", 1"	54 GPM	1/2"	125 PSIG	1/4"	New oils, anti-freeze products, etc.
84862	1 1/2"	aluminum	Buna-N	1 1/2", 1 1/2"	60 GPM	1/2"	125 PSIG	1/4"	New oils, anti-freeze products, etc
84870	2"	aluminum	Buna-N	2", 2"	135 GPM	1/2"	125 PSIG	1/4"	New oils, anti-freeze products, etc



### Drum Pump Adapter Kit Model 240994

Specially made for the 84842 and 84843 Diaphragm pumps. An easy way to convert the 1/2" plastic pump to a drum application. The kit includes a pipe assembly made of PVC plastic and all the hardware you need.

### Dual Ported Manifold Model 240993

Designed to be used to replace the existing manifold on 1/2" Diaphragm pumps, models 84840 and 84841.

### Dual Ported Manifold Model 240989

Designed to be used to replace the existing manifold on 1/2" Diaphragm pumps, models 84842 and 84843.

### Used Fluid Transfer System/Accessories Models 84815, 84816 and 84817

#### Model 84815 Overfill Warning Valve

The air supply to the evacuation pump is routed through this valve which threads into a standard 2" NPT above ground tank or drum opening. When the used fluid in the tank reaches a near full level the float activates the ball cock, shutting off the air supply to the pump. Air is then diverted to a whistle to give an audible warning that the tank is near capacity.

Fits 2" NPT Tank/Drum			
Air Inlet	Air Outlet	Air Alarm	Overall Height
1 1/4" NPTF	1 1/4" NPTF	Included	20 5/16" / 516mm

#### Model 84816 Reversing Valve

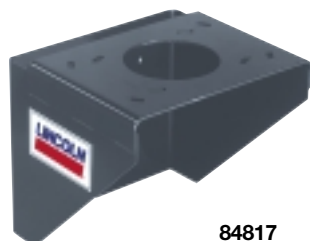
This valve is used in systems required to evacuate used fluids as well as to empty the tank, using a common pump. Model 84816 is a four port, two position valve with a full 1" port size to allow up to 30 GPM discharge flow.

Four Port, Two Position					
Flow Rate	Discharge	Max. Pressure	Port Size	Body Construction	Seals
8 GPM 30 LPM	1-30 GPM 3.8-113LPM	150 psi 10.5 bar	1" NPTF	6061 T-6 Aluminum	Viton

#### Model 84817 Wall Mount Bracket

Universal wall mount bracket for all 1/2" and 1" Lincoln Industrial air operated double diaphragm pumps. Mounting hardware included.

Height	Dimensions	
	Width	Depth
12 3/4" / 324mm	14 1/2" / 368mm	13" / 330mm



## 1:1 Piston Transfer Pumps

Model	Pump Descrip.	Pump Body	Wetted or Soft Parts	Pump Inlet/Outlet NPT	Max. Free Delivery GPM	Air Inlet NPT(f)	Max. Rec. Inlet Air Pressure	Max. Susp. Solids Dia.	Typical Use
82230	55 gal. drum	alum/steel	Buna-N	3/4" – 1 1/2" A.N.	20 GPM	1/4"	150 PSIG	NA	55 gal. drum/ new oil transfer

### Model 82230

Transfer pump quickly transfers fluids directly from 55 gallon drums. 2" bung bushing adjusts to varied drum lengths.

### Model 82715 Teflon® Kit

For use with 82230, to allow compatibility with additional products.



### Suction Kits

#### Model 84945 Remote Suction Kit

For use with 1" AOD pumps. Includes 2" NPT(f) bung bushing, 1" x 32" suction tube, 5' oil hose and coupling assembly, low level cutoff and hardware.

#### Model 85256 Remote Suction Kit

Same as 84945 except for use with 1/4" AOD pumps.

### Used Fluid Overfill Warning Valves

Float rises with used fluid to activate "whistle" warning at prescribed level.

#### Model 84815 Single Wall

For single wall tanks & drums in used fluid systems and above ground tanks.

#### Model 84824 Double Wall

Same as 84815 except for double walled tanks and above ground tanks.

#### Model 84816 4-Way Valve

Four port, two position valve used in waste fluid systems. Enables one pump to pump into and out of drum or tank.

# General Lubrication Products

## Low Pressure High Volume Manual & Air-Operated Transfer Pumps



### Model G401 Lever Action

For efficient transfer of petroleum based, non-corrosive liquids. Rugged, corrosive resistant finish prevents rusting. Curved metal spout with garden hose threads.

### Model 1326 Diaphragm Action

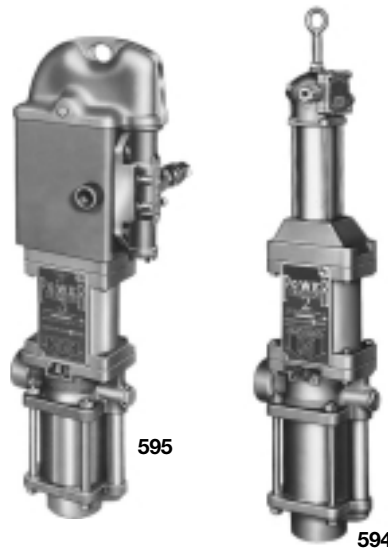
Neoprene seals resist wear from abrasive fluids. Double acting diaphragm delivers one full gallon per eight strokes. Eight foot hose with discharge nozzle assures long reach.

### Model G402 Rotary-Vane

Cast iron pump head for transferring petroleum based, non-corrosive fluids.

### Transfer Pumps

Model	Drum Size	Bung Bushing	Output
1326	16 to 55 gal. w/2" bung opening	2" NPT(m)	1 gallon per 8 strokes
G401	30 to 55 gal. w/2" bung opening	2" NPT(m)	10 oz. per stroke
G402	30 to 55 gal. w/2" bung bushing	2" NPT(m)	1 gallon per 18 revolutions



### High Volume Transfer Pumps

For high volume transfer of fluids such as hydraulic oil, motor oil, gear lubricant, ATF, etc., these pumps deliver up to 20 gallons (75 liters) per minute for continuous operation.

- Cone type pump
- Teflon and Buna-N piston seals
- Viton and Teflon gland seals

### Volume Master Pumps

Model	Ratio	Air Motor	Pump Tube	Air Motor Size in / mm	Max. Disch. Pressure psi / bar	Max. Deliv. GPM 1/min.	Avg. Output cu. in./cycle (cc/cycle)	Air Inlet NPTF(f)	Material Outlet NPTF(f)
594	2/3:1	82737	84396	2 1/2 / 65	133 / 9	20(75)	64(1409)	1/4"	1 1/4"
595	1:1	82895	84395	3 / 37)	50 / 3	20(75)	64(1409)	1/2"	1 1/4"
596	1:1	82895	84396	3 / 75	200 / 14	20(75)	64(1409)	1/2"	1 1/4"
597	2:1	82730	84396	4 1/4 / 110	400 / 28	20(75)	64(1409)	1/2"	1 1/4"

\*Model 595 is equipped with a relief valve to bypass pressures above 50 psi (3 bar) back into the container. It is U.L. listed for use with flammable petroleum products.

Note: Volume Master Pumps have 2" NPTF(f) inlets to thread directly to 2" (m) standpipes, or they can be flange mounted to a tank. Use model 84164 wall mount bracket kit 84945 for wall mounting Volume Master Pumps



4261

**Fast, Efficient, Economical Dispensing Systems**

All Lincoln Industrial pump packages include air regulator, air gauge, 815 air coupler and 11659 air nipple. Control valve, inline meter or hand-held metering control valve must be ordered separately (except with 4283).

**1:1 Ratio Pump Packages**

**Model 4261 1:1 with Spigot**

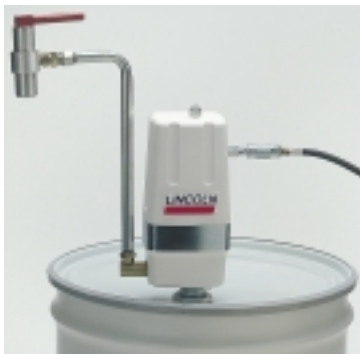
Includes 84829, 1:1 ratio pump with 2" bung bushing for use with 55 gallon drum or 250 gallon bench top tank. One 84950 product delivery spigot with 90° angle fitting for attaching spigot to pump.

**Model 4291 with Spigot**

Similar to 4261 above but pre-assembled to fit 55 gallon drum.

**Model 4264 with 30' Reel**

Economy package includes 84829, 1:1 ratio pump with 1/2" x 30' oil hose reel 6M34 and 5' oil connecting hose.



4560

**3:1 and 5:1 Ratio Pump Packages**

**Model 4260 3:1 with Spigot**

3:1 ratio universal pump package 282398 with 2" bung bushing and 85949 universal suction tube with foot valve for drum or tank mounting. One 84950 product delivery spigot with fitting for attaching spigot to pump.

**Model 4560 5:1 with Spigot**

Similar to 4260 listed above, but this model includes 5:1 ratio pump 84934.

**Model 4265 3:1 with 30' Reel**

3:1 ratio bulk oil pump with 2" bung bushing 282398 and model 85949 universal suction tube with foot valve for drum or tank mounting. Includes 1/2" x 30' oil reel with 2' connecting hose 6M34.

**Model 4565 5:1 with 30' Reel**

Similar to 4265 listed above, but this model includes 5:1 ratio pump 84934.



4262

Shown with control handle

**Model 4262 3:1 with 50' Reel**

3:1 ratio pump with 2" bung bushing 282398 and 85949 universal suction tube with foot valve for drum or tank mounting. Includes 1/2" x 50' oil hose reel with 2' connecting hose 6M54.

**Model 4562 5:1 with 50' Reel**

Similar to 4262 listed above, but this model includes 5:1 ratio pump 84933.

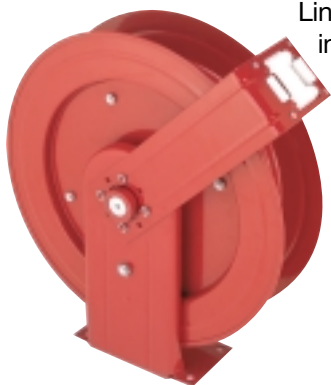
**Model 4283 5:1 with 50' Reel & Meter**

Deluxe assembly including 84934 5:1 ratio pump with bung bushing, universal suction tube with foot valve to fit any size container up to 275 gallons. Includes 1/2" x 50' oil hose reel 6M54 with 2' connecting hose. 967 electronic meter totalizes in gallons with quart, gallon or pint readout.



4283

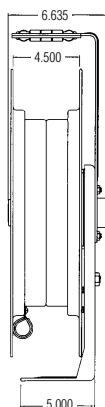
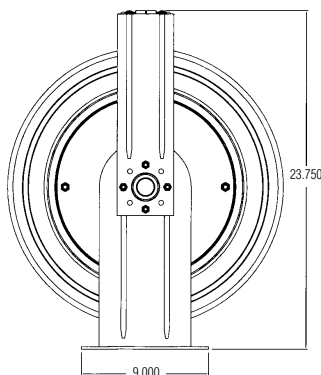
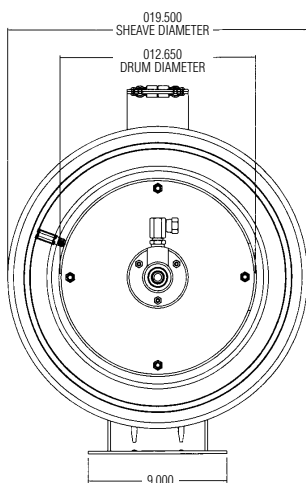
*NOTE: Pipe, fittings and hardware for and installation of overhead reel assembly supplied by others.*



Lincoln Industrial's continued commitment to the best value for the dollar hose reel is reflected in our Golden Standard Reels. This design reflects decades of engineering refinement and extensive field evaluation. Lincoln Industrial's commitment to the lubrication equipment market is legendary, as are the original Lincoln Industrial Golden Standard Series Reels. Lincoln Industrial has combined the value of the original Golden Standard Series Reels with newly engineered design features to produce the best reel yet.

### Features

- All bare reels have 50' hose capacity.
- Reel assemblies available in standard 30' and 50' hose lengths.
- Models are available to suit every application—grease service (high pressure), oil service (medium pressure) and air/water service (low pressure).
- Full-flow product porting ensures high delivery and reduced restrictions.
- All reels are manufactured in the U.S.A. of quality steel for years of dependable use.
- The new Lincoln Industrial patented “Swaxle” swivel design combines the reel swivel and axle—reducing parts and possible failure points, improving dependability.
- Painted parts are powder painted for long life and scratch resistance.
- Sheave edges are rolled-over for added strength and elimination of sharp edges.
- One piece gusseted and welded base will deliver years of trouble-free service.
- Seven position roller outlet arm delivers a flexible reel design which can be used in ceiling, wall, tank or under service bench mount applications.
- Delrin outlet rollers eliminate hose pinching and produce smooth hose delivery with a reduction in noise over metal roller style competitive models.
- All models include oilite bronze bearings—a time proven design.
- All models include a banded power spring for added safety.
- All reel assemblies are factory assembled and pressure tested.
- Basic reel assemblies can be ordered with one model number and include delivery hose, ball stop and connecting hose—no additional hoses to buy or supply.
- Complete reel assemblies with meter, control valve or air coupler are also available as one model number.
- Backed by a one year limited warranty. See your Lincoln Industrial representative for details.



### Bare Reel Specifications

Model	Application	Hose Capacity			Working Pressure/ Bare Reel, PSI (BAR)	Inlet/ Outlet(f)
		SAE	Type	Length		
6H00	Grease	100R2	75	50'	High 5000 (340)	1/4" NPTF
6M00	Fluid Lubricants	100R3	73	50'	Medium 1000 (68)	1/2" NPTF
6L00	Air/Water	100R6	72	50'	Low 250 (17.01)	3/8" NPTF

### Mounting Kit

#### Model 85641

Universal kit for mounting up to 12 reels, any series, open or decorative.

*NOTE: For heavy duty lube truck applications, we recommend our Heavy Duty Reel series.*





### Basic Grease Assemblies *Less Hose End Control*

Model Number	Description	Bare Reel Model	Included with Reel Assemblies			
			Delivery Hose	Connecting Hose	Ball Stop	Control Valve or Meter
6H32	1/4" x 30'	6H00	75360	75024	85516	Not Included
6H52	1/4" x 50'	6H00	75600	75024	85516	Not Included

### Complete Grease Assemblies with Universal Swivel & Control Valve

6H32G	1/4" x 30'	6H00	75360	75024	85516	81387 & 740
6H52G	1/4" x 50'	6H00	75600	75024	85516	81387 & 740

### Medium Pressure Reels & Assemblies

#### Basic Fluid Lubricant Assemblies *Less Hose End Control*

6M34	1/2" x 30'	6M00	73360	73024	85517	Not Included
6M54	1/2" x 50'	6M00	73600	73024	85517	Not Included

### Complete Fluid Lubricant Assemblies with Control Valve or Meter

30' OIL REEL MODELS						
6M34C	1/2" x 30' with Control Valve	6M00	73360	73024	85517	769
6M34D	1/2" x 30' with Electronic Meter	6M00	73360	73024	85517	967
6M34E	1/2" x 30' with Liter Meter	6M00	73360	73024	85517	899
6M34L	1/2" x 30' with Pints Gear Lube Meter	6M00	73360	73024	85517	878
6M34M	1/2" x 30' with Quarts Meter	6M00	73360	73024	85517	877
6M34N	1/2" x 30' with Gear Lube Control Valve	6M00	73360	73024	85517	780
6M34R	1/2" x 30' with Control Valve	6M00	73360	73024	85517	768
6M34T	1/2" x 30' with Quarts ATF Meter	6M00	73360	73024	85517	883
50' OIL REEL MODELS						
6M54C	1/2" x 50' with Control Valve	6M00	73600	73024	85517	769
6M54D	1/2" x 50' with Electronic Meter	6M00	73600	73024	85517	967
6M54E	1/2" x 50' with Liter Meter	6M00	73360	73024	85517	899
6M54L	1/2" x 50' with Pints Gear Lube Meter	6M00	73600	73024	85517	878
6M54M	1/2" x 50' with Quarts Meter	6M00	73600	73024	85517	877
6M54N	1/2" x 50' with Gear Lube Control Valve	6M00	73600	73024	85517	780
6M54R	1/2" x 50' with Control Valve	6M00	73600	73024	85517	768
6M54T	1/2" x 50' with Quarts ATF Meter	6M00	73600	73024	85517	883

### Low Pressure Reels & Assemblies

#### Basic Air, Water, Anti-freeze & WW Fluid *Less Hose End Control*

6L32	1/4" x 30'	6L00	72360	74024	85515	Not Included
6L33	3/8" x 30'	6L00	72360A	74024	85516	Not Included
6L52	1/4" x 50'	6L00	72600	74024	85515	Not Included
6L53	3/8" x 50'	6L00	72600A	74024	85516	Not Included
6L54	1/2" x 50'	6M00	73600	73024	85517	Not Included

### Complete Air Assemblies with Air Coupler & Tire Chuck

6L32A	1/4" x 30'	6L00	72360	74024	85515	815/11659/66951
6L33A	3/8" x 30'	6L00	72360A	74024	85516	815/11659/66951
6L52A	1/4" x 50'	6L00	72600	74024	85515	815/11659/66951
6L53A	3/8" x 50'	6L00	72600A	74024	85516	815/11659/66951
6L54A	1/2" x 50'	6M00	73600	73024	85517	815/11659/66951

### Complete Water Assemblies with Water Bibb Cock

6L32W	1/4" x 30'	6L00	72360	74024	85515	846 Bibb Cock
6L33W	3/8" x 30'	6L00	72360A	74024	85516	846 Bibb Cock
6L52W	1/4" x 50'	6L00	72600	74024	85515	846 Bibb Cock
6L53W	3/8" x 50'	6L00	72600A	74024	85516	846 Bibb Cock
6L54W	1/2" x 50'	6M00	73600	73024	85517	846 Bibb Cock

# General Lubrication Products

## Heavy Duty Series Hose Reels



The Heavy Duty Series reels are the finest Lincoln Industrial lubereels ever designed. Years of engineering, testing and experience preceded their introduction. The quality and reliability the professional expects from Lincoln Industrial is not only met but exceeded in form and function by the HD Series. Value, long-life and top performance were the criteria demanded before these incredible reels were released.

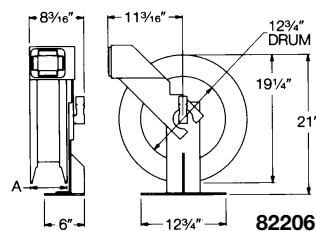
You should expect the best from Lincoln Industrial...the HD Series reel delivers it.



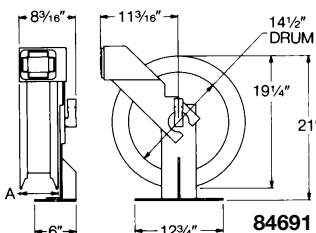
82206

### Features

- All bare reels rated for high, medium and low pressure.
- Reel assemblies available in standard 30', 40' and 50' hose lengths
- Dual needle roller bearings
- Ball bearing inlet swivel design
- Quick disconnects on delivery and connecting hose
- Spring canister with seals
- Thirteen position roller outlet arm
- Delrin rollers
- Quarter-inch thick steel welded base and roller outlet arm
- Reel sheaves are rolled.
- Painted parts individually powder painted for long life and scratch resistance
- All reel assemblies factory assembled and pressure tested to ensure a quality leak-free installation every time
- Basic reel assemblies can be ordered with one model number; include delivery hose, ball stop and connecting hose
- Complete reel assemblies with meter, control valve or air coupler are also available as one model number.
- Backed by a one year limited warranty. See your Lincoln Industrial representative for details.



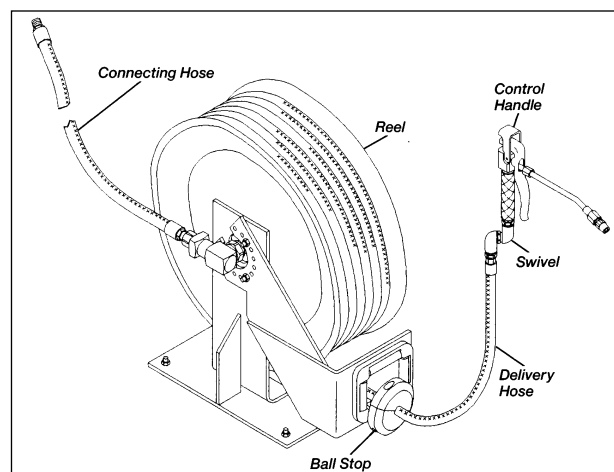
82206



84691

### Bare Reel Specifications

Model	Lincoln Industrial Reel Application	Hose Capacity			Working Pressure	Sheave Width	Inlet/Outlet
		SAE	Type	Length			
82206	Heavy duty long length	100R2	75	50'	5000	51/2"	1/2" NPTF
		100R2	76A	50'			
		100R2	76B	50'			
		100R3	73	50'			
		100R1	78	50'			
		100R6	72A	50'			
84691	Heavy duty regular length	100R2	75	40'	5000	51/2"	1/2" NPTF
		100R3	73	30'			
		100R6	72A	50'			
		100R6	72	50'			
		100R6	72	50'			



**Typical Complete Hose Reel Assembly**

### Mounting Kits

#### Model 85641

Universal kit for mounting up to 12 reels, any series, open or decorative.

# General Lubrication Products

## High Pressure Reels & Assemblies



85050

### Basic Grease Assemblies *Less Hose End Control*

Basic Reel	Bare Reel	Delivery Hose	Hose Size	Connecting Hose	Ball Stop	Control Valve
85003	84691	75240	20' x 1/4"	75024	85516	Not Included
85003-30	84691	75360	30' x 1/4"	75024	85516	Not Included
85004	84691	75480	40' x 1/4"	75024	85516	Not Included
85004-50	82206	75600	50' x 1/4"	75024	85516	Not Included
85006-30B	82206	76360B	30' x 3/8"	76024B	85517	Not Included
85004B	82206	76480B	40' x 3/8"	76024B	85517	Not Included
85004-50B	82206	76600B	50' x 3/8"	76024B	85517	Not Included
85008A	82206	76480A	40' x 1/2"	76024A	85517	Not Included
85008-50A	82206	76600A	50' x 1/2"	76024A	85517	Not Included

### Complete Grease Assemblies *with Universal Swivel & Control Valve*

Assembly Model	<i>Included with Reel Assemblies</i>							
	Bare Reel	Delivery Hose	Hose Size	Connecting Hose	Ball Stop	Control Valve	Swivel	Nipple
85050	84691	75360	30' x 1/4"	75024	85516	740	81387	12957(2)
85051	82206	75600	50' x 1/4"	75024	85516	740	81387	12957(2)

### Medium Pressure Reels & Assemblies

#### Basic Fluid Lubricant Assemblies *Less Hose End Control*

Basic Reel	Bare Reel	Delivery Hose	Hose Size	Connecting Hose	Ball Stop	Control Valve
83463	84691	73240	20' x 1/2"	73024	85517	Not Included
83463-30	84691	73360	30' x 1/2"	73024	85517	Not Included
83464	82206	73480	40' x 1/2"	73024	85517	Not Included
83464-50	82206	73600	50' x 1/2"	73024	85517	Not Included
85009-50	82206	78600	50' x 5/8"	78024	84347	Not Included

#### Complete Medium Pressure Assemblies—Gear Lube

85052	84691	73360	30' x 1/2"	73024	85517	780
85053	82206	73600	50' x 1/2"	73024	85517	780
85054	84691	73360	30' x 1/2"	73024	85517	878(meter)
85055	82206	73600	50' x 1/2"	73024	85517	878(meter)

#### Complete Medium Pressure Assemblies—Oils

85056	84691	73360	30' x 1/2"	73024	85517	877(meter)
85057	82206	73600	50' x 1/2"	73024	85517	877(meter)
85058	84691	73360	30' x 1/2"	73024	85517	3866(meter)
85059	82206	73600	50' x 1/2"	73024	85517	3866(meter)

#### Complete Medium Pressure Assemblies—Oils *Elec/Digital*

85060	84691	73360	30' x 1/2"	73024	85517	967(meter)
85061	82206	73600	50' x 1/2"	73024	85517	967(meter)

### Low Pressure Reels & Assemblies

#### Basic Air, Water, Anti-freeze & WW Fluid *Less Hose End Control*

85232	84691	72360	30' x 1/4"	72024	85515	Not Included
85002	84691	72480	40' x 1/4"	72024	85515	Not Included
85011	84691	72600	50' x 1/4"	72024	85515	Not Included
85002A	84691	72480A	40' x 3/8"	72024A	85516	Not Included
85001	84691	72600A	50' x 3/8"	72024A	85516	Not Included
85005	82206	74480	40' x 1/2"	74024	85517	Not Included
85010-50	82206	74600	50' x 1/2"	74024	85517	Not Included

### Complete Low Pressure Assemblies—Air Service

Assembly Model	<i>Included with Reel Assemblies</i>								
	Bare Reel	Delivery Hose	Hose Size	Connecting Hose	Ball Stop	Air Coupler	Nipple	Air Chuck	Bushing
85062	84691	72600	50' x 1/4"	74024	85515	815	81387	12957(2)	12080
85063	84691	72600A	50' x 3/8"	74024	85516	815	81387	12957(2)	67069/10049

### Complete Low Pressure Assemblies—Water Service

Assembly Model	<i>Included with Reel Assemblies</i>						
	Bare Reel	Delivery Hose	Hose Size	Connecting Hose	Ball Stop	Bushings	Bibb Cock
85064	84691	72600	50' x 1/4"	74024	85515	12080	846
85065	84691	72600A	50' x 3/8"	74024	85516	67069/10049	846

**Extra Heavy Duty Reels for Applications that Require High Product Flow and/or Longer Hose such as Service Trucks, Lube Trucks, Transit Facilities and Large Fleet Shops.**



84275

### Model 84275

Extra heavy duty dual reel sheave support base design and large hose capacity make this 1/2" (inlet/outlet) reel the ideal high pressure reel for grease, petroleum oils, air and water.



84672

### Model 84672

Extra heavy duty high flow design makes this 3/4" inlet/outlet reel the perfect medium pressure reel for petroleum oils, used fluid evacuation, air and water service.



84673

### Model 84673

Extra heavy duty dual reel sheave support base, high flow design and large hose capacity make this 3/4" inlet/outlet reel the ideal medium pressure reel for petroleum oils, used fluid evacuation, air and water service.

### Model 84432

Heavy duty dual reel sheave support base design and high flow swivel make this 1" inlet/outlet reel the ideal low pressure/volume reel. This reel is suitable for gasoline, diesel fuel, fuel oil, petroleum oil, used fluid evacuation, aircraft fuels, air and water.



84432

### Model 84121

Lincoln Industrial's super duty hose reel is designed for extra large hose capacity in applications where rugged durability is a prime requirement. High flow rate and low pressure drop provide fast fill of large vehicles. Super duty dual reel sheave support base and high flow inlet/axle design make this 1 1/4" inlet/outlet reel the ideal low pressure/high volume reel. This reel is suitable for gasoline, diesel fuel, fuel oil, petroleum oil, used fluid evacuation, aircraft fuels, air and water.



84121

## High Flow Reel Specifications

Model	Designation	SAE	HOSE CAPACITY		Inlet/Outlet NPTF	Working Pressure PSI	Sheave Width	INSTALLATION	
			Type	Length				Width	Depth
84275	Extra heavy duty large capacity	100R1	78	75'	1/2"	5000	10"	13 1/8"	12 3/4"
		100R2	75/76A/76B	75'					
		100R3	73	75"					
84672	Extra heavy duty high flow	100R1	3/4"ID x 1 1/4"OD	30'	3/4"	2000	5 1/2"	9 15/16"	12 3/4"
		100R3	73	50'					
		100R6	74	50"					
84673	Large capacity	100R1	3/4"ID x 1 1/4"OD	75'	3/4"	2000	10"	14 1/2"	12 3/4"
		100R1	78	75'					
84432	Heavy duty volume	100R3	1"OD low pressure	50'	1"	300	8"	15 3/4"	24 1/4"
84121	Super duty high flow	100R3	1 1/4"OD low pressure	50'	1 1/4"	375	10"	18 3/4"	16 3/4"



### Model 82987

3/4" x 25' high flow reel assembly comes complete with spring powered reel 84672, 3/4" x 25' delivery hose 68595, extendible to 21', ball stop 82982 and 3/4" gasoline valve and nozzle assembly 68594. Order connecting hose separately.



### Model 84433

1" x 50' volume fuel reel assembly comes complete with spring powered reel 84432, 1" x 50' delivery hose 247926, ball stop 84257 and 1" x 2' connecting hose 247925. Order control valve/nozzle separately.

### Model 103012

1" x 50' super duty fuel reel comes complete with Lincoln Industrial's super duty hose reel 84121, 1" x 50' delivery hose 69798, ball stop 84257 and connecting hose 69797. Order control valve/nozzle separately.



### Model 102962

1 1/4" x 50' super duty fuel reel comes complete with Lincoln Industrial's super duty hose reel 84121, 1 1/4" x 50' delivery hose 69691, ball stop 84122, 1 1/4" x 2' connecting hose 69695 and 1 1/4" fuel nozzle 69690.

### Model 102963

1 1/4" x 50' super duty fluid reel comes complete with Lincoln Industrial's super duty hose reel 84121, 1 1/4" x 50' delivery hose 69702, ball stop 84122, 1 1/4" x 2' connecting hose 69703, control valve 775, 1 1/4" NPT(f) x 3/4" NPT(f) bushing 251054 and 3/4" NPT(m) x 1/2" NPT(f) nipple 12106.

### Gasoline Nozzles

#### Model 69825

Auto shut-off, 1" NPT(f) inlet, 50 PSI. Aluminum body and outlet tube.

#### Model 69824

Same as 69825 except 3/4" NPT(f) inlet.

### High Flow Reel Assemblies

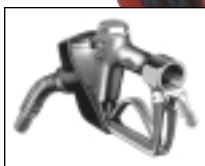
Basic Reel	Bare Reel	Delivery Hose	Hose Size	Connecting Hose	Ball Stop	Control Valve
82987	84672	68595	3/4" x 25'	order separately	82982	68594
84433	84432	247926	1" x 50'	247925	84257	order separately
103012	84121	69798	1" x 50'	69797	84257	order separately
102962	84121	69691	1 1/4" x 50'	69695	84122	69690
102963	84121	69702	1 1/4" x 50'	69703	84122	775

### Recommended Mounting/Application

Bare Reel	Mounting	Applications
84275	Floor, wall, ceiling, lube truck	Grease, oils, air
84672	Floor, wall, ceiling, lube truck	Oils, used fluid evacuation, air, water
84673	Floor, wall ceiling, lube truck	Oils, used fluid evacuation, air, water
84432	Floor, platform, lube truck	Fuel, volume oils, used fluid evac., air, water
84121	Floor, platform, lube truck	Fuel, volume oils, used fluid evac., air, water

### WARNING

Reels used with hazardous fluids or fuels, hose with static grounding wire must be used. For aircraft fuels, a separate static grounding cable must be furnished by the user. Consult federal and local codes for details.



### High Pressure Hose—Grease

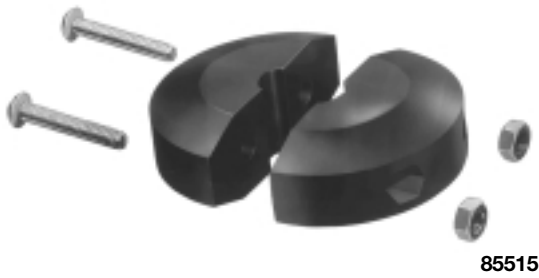
Model	Size	Hose Type/SAE	Inches		Thread	Max Pressure PSI (bar)	
			ID	OD		Working	Burst
75024	2'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
75084	7'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
75120	10'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
75168	14'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
75240	20'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
75360	30'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
75480	40'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
75600	50'	75/100R2A	1/4	11/16	1/2"-27(f)	5000(340)	20,000(1360)
76024B	2'	76B/100R2	3/8	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76120B	10'	76B/100R2	3/8	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76360B	30'	76B/100R2	3/8	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76480B	40'	76B/100R2	3/8	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76600B	50'	76B/100R2	3/8	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76900B	75'	76B/100R2	3/8	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76024A	2'	76B/100R2	1/2	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76480A	40'	76B/100R2	1/2	27/32	1/2"NPT(f)	4000(272)	16,000(1088)
76600A	50'	76B/100R2	1/2	27/32	1/2"NPT(f)	4000(272)	16,000(1088)

### Medium Pressure Hose—Oil, Gear Lube & Anti-freeze

79060	5'	79/100R1	3/8	25/32	3/8"NPT(m)	2250(153)	9000(612)
79084	7'	79/100R1	3/8	25/32	3/8"NPT(m)	2250(153)	9000(612)
73024	2'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73036	3'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73060	5'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73120	10'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73240	20'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73360	30'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73480	40'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73600	50'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
73900	75'	73/100R3	1/2	13/16	1/2"NPT(m)	1000(102)	4000(272)
78600	50'	78/100R1	5/8	11/32	1/2"NPT(m)	1000(102)	6000(408)
1230060	5'	1230/100R2	3/4	11/4	3/4"NPT(m)	2250(153)	9000(612)
1230084	7'	1230/100R2	3/4	11/4	3/4"NPT(m)	2250(153)	9000(612)
1230120	10'	1230/100R2	3/4	11/4	3/4"NPT(m)	2250(153)	9000(612)
1625060	5'	1625/100R2	1	19/16	1"NPT(m)	2000(136)	8000(544)
1625084	7'	1625/100R2	1	19/16	1"NPT(m)	2000(136)	8000(544)
1625120	10'	1625/100R2	1	19/16	1"NPT(m)	2000(136)	8000(544)

### Low Pressure Hose—Air & Water

72024	2'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72036	3'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72060	5'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72120	10'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72240	20'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72360	30'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72480	40'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72600	50'	72/100R6	1/4	5/8	1/4"NPT(m)	250(17.01)	1250(85.03)
72024A	2'	72A/100R6	3/8	23/32	3/8"NPT(m)	250(17.01)	1250(85.03)
72060A	5'	72A/100R6	3/8	23/32	3/8"NPT(m)	250(17.01)	1250(85.03)
72240A	20'	72A/100R6	3/8	23/32	3/8"NPT(m)	250(17.01)	1250(85.03)
72360A	30'	72A/100R6	3/8	23/32	3/8"NPT(m)	250(17.01)	1250(85.03)
72480A	40'	72A/100R6	3/8	23/32	3/8"NPT(m)	250(17.01)	1250(85.03)
72600A	50'	72A/100R6	3/8	23/32	3/8"NPT(m)	250(17.01)	1250(85.03)
74024	2'	74/100R6	1/2	27/32	1/2"NPT(m)	200(13.61)	800(54.42)
74036	3'	74/100R6	1/2	27/32	1/2"NPT(m)	200(13.61)	800(54.42)
74060	5'	74/100R6	1/2	27/32	1/2"NPT(m)	200(13.61)	800(54.42)
74360	30'	74/100R6	1/2	27/32	1/2"NPT(m)	200(13.61)	800(54.42)
74480	40'	74/100R6	1/2	27/32	1/2"NPT(m)	200(13.61)	800(54.42)
74600	50'	74/100R6	1/2	27/32	1/2"NPT(m)	200(13.61)	800(54.42)



85515

### Accessories

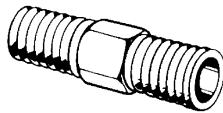
#### Ball Stops

Lincoln Industrial Ball Stops are used to cushion and stop hose retraction. Adjustable, except for 82982, which is threaded.

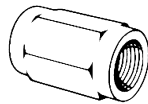
Model	Description	Hose Type	OD
85515	Adjustable	72	5/8"
85516	Adjustable	72A & 74	11/16" - 23/32"
85517	Adjustable	73, 74, 76A & 76B	27/32" - 31/32"
84347	Adjustable	78	11/32"
84122	Adjustable	NA	13/4" - 17/8"
84257	Adjustable	NA	11/2" - 15/8"

### Nipples, Couplers & Bushings for Lincoln Industrial 75 Grease Hose

#### Nipples

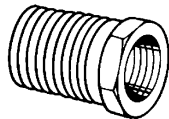


Model	Thread	Construction
10198	1/4" NPT (m) x 1/2"-27 (m)	Brass
10199	1/8" NPT (m) x 1/2"-27 (m)	Brass
10202	1/2" NPT (m) x 1/2"-27 (m)	Brass
12957	1/2" NPT (m) x 1/2"-27 (m)	Steel



#### Reducing Couplings

Model	Thread	Construction
11852	1/8" NPT (f) x 1/2"-27 (f)	Steel
10522	1/4" NPT (f) x 1/2"-27 (f)	Steel



#### Bushings

Model	Thread	Construction
10200	1/8" NPT (f) x 1/2"-27 (m)	Brass
10204	1/4" NPT (f) x 1/2"-27 (m)	Brass
12287	1/2"-27 (f) x 1/2" NPT (m)	Brass

### Lincoln Industrial High Pressure Replacement Hose

#### Cross Reference

Model	Original Threads	Replacement
Alemite	1/2"-27(f) x 1/2"-27(f)	Any Type 75 Hose
Aro	1/8" NPT(m) x 1/8" NPT(f)	Any Type 75 Hose, 10199 Nipple, 10200 Bushing
Balcrank	1/2"-27(f) x 1/2"-27(f)	Any Type 75 Hose
Graco	1/4" NPT(m) x 1/4" NPT(m)	Any Type 75 Hose, Two (2) 10198 Bushing

**Lincoln Industrial Control Valves, Meters and Accessories Provide the Durability and Precision You Need for Your Lubrication Systems.**



740

### Model 740 Heavy Duty High-Pressure

- 7500 psi maximum operating pressure
- Precision-machined, all steel handle, body and guard bracket provides durability and longevity
- Unique, precision control inlet check valve provides ease of handle operation even with increase in pressure
- Knurled handle for positive grip
- Handy trigger guard prevents pinching
- Reversible inlet check seat and hydraulic jaws provide double life
- Balanced design reduces user fatigue
- Lubricant inlet 1/4" NPT(f); outlet 1/8" NPT(f)
- Easily repaired for extended life

### Model 3050 Volume High-Pressure

Same as 740 except with 3/8" NPT(f) lubricant inlet for use with Lincoln Industrial volume high pressure swivels and hose.

### Model 82157 Repair Parts Kit

For control valves 740 and 3050.

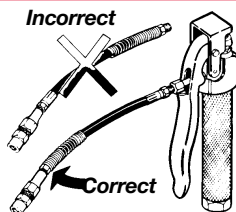
### High Pressure Grease Control Valve

Model	Description	Thread Size	Extension	Coupler
740	Heavy Duty	1/4" NPT(f)	Rigid Tube	5845
3050	Volume	3/8" NPT(f)	Rigid Tube	5845

### WARNING

Whip Hoses Models  
3028, 3029, 3033, 3034,  
5812, 5818, 5861, 81725,  
81726, 81795

**Install as shown.**



### WARNING

For safe and proper use, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.

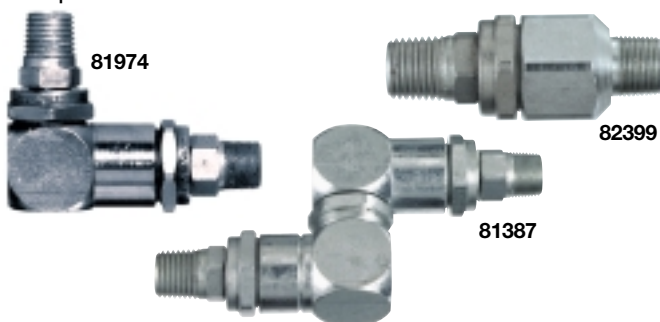
### Swivels

#### Volume High Pressure Swivels

Model	Description	Thread Size
81728	Straight	1/2" NPT(m) x 3/8" NPT(m)
82071	Straight	1/2"-27 (m) x 1/2" NPT(m)
82072	Straight	1/2" NPT(m) x 1/2" NPT(m)
82087	90° Angle	1/2" NPT(m) x 1/2" NPT(m)
81729	Universal	1/2" NPT(m) x 3/8" NPT(m)
82073	Universal	1/2" NPT(m) x 1/2" NPT(m)

#### Model 82158 Repair Kit

Repair Parts Kit for 81387 standard universal swivel.



#### High Pressure Swivels

Model	Description	Thread Size
*81606	Straight	1/8" NPT(f) x 1/8" NPT(m)
*81703	Straight	1/8" NPT(f) x 1/8" NPT(m)
82080	Straight	1/2"-27 (m) x 1/2"-27 (m)
82399	Straight	1/2"-27 (m) x 1/4" NPT(m)
81386	90° Angle	1/2"-27 (m) x 1/8" NPT(m)
81723	90° Angle	1/8" NPT(m) x 1/8" NPT(f)
81974	90° Angle	1/2"-27 (m) x 1/4" NPT(m)
82251	90° Angle	1/8" NPT(m) x 1/8" NPT(m)
81387	Universal	1/2"-27 (m) x 1/4" NPT(m)
82252	Universal	1/8" NPT(m) x 1/8" NPT(m)
82677	Universal	1/2"-27 (m) x 1/8" NPT(m)
83594	Universal	1/4" NPT(m) x 1/4" NPT(m)
81728	Straight	1/2" NPT(m) x 3/8" NPT(m)
82071	Straight	1/2"-27 (m) x 1/2" NPT(m)
82072	Straight	1/2" NPT(m) x 1/2" NPT(m)
82087	90° Angle	1/2" NPT(m) x 1/2" NPT(m)
81729	Universal	1/2" NPT(m) x 3/8" NPT(m)
82073	Universal	1/2" NPT(m) x 1/2" NPT(m)
83938	Straight	1/4" NPT(m) x 1/4" NPT(m)

\*Whip Hose only; max. pressure 4500psi

Note: Swivels are suitable for use with lubricants only. Do not use with corrosive or abrasive materials.





### Heavy Duty Volume

#### Model 775

Includes 82906 shut-off valve and 82932 rigid extension nozzle.

#### Model 776

Includes 82906 shut-off valve and 82642 flexible hose and 91392 non-drip nozzle.

### Oil Control Valves

Model	Description	Thread Size	Extension	Coupler
775	HD Volume	3/8" NPT(f)	Rigid Pipe	NA
776	HD Volume	1/4" NPT(f)	Flex Hose	91392

#### Model 66584 Strainer

For use with 775, 776, 82906. #30 mesh, 9/16" OD.



### WARNING

For safe and proper use, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.



### Electronic Lube Meters

#### Features

- Ideal for dispensing motor oil, automatic transmission fluid and gear lube
- One model dispenses in pints, quarts, liters or gallons
- New automatic non-drip nozzle
- Narrow nozzle fits into small I.D. automatic transmission fluid fill tubes
- Easy to read digital display for accurate high volume fluid dispensing
- .01 increment readout for precise measurement—eliminate costly overfill
- Includes inline swivel, rigid extension, automatic non-drip nozzle and inline contaminant filter
- One year limited warranty
- 1000 psi maximum operating pressure

### Electronic Lube Meters

Measures pints, quarts, liters or gallons; totalizing liters or gallons. Automatic non-drip nozzle .

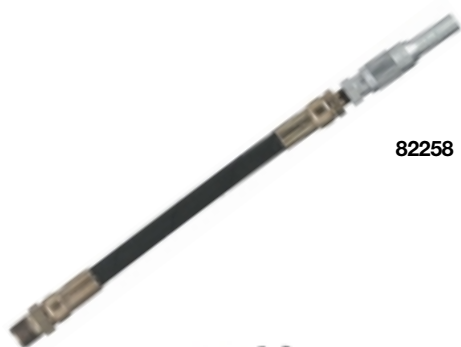
Model	Extension	Lock-On/Lock-Open
946	Rigid Pipe	No
947	Rigid Pipe	Yes
967	Flexible Hose	Yes

### Metering Control Valves

Meter Specifications: 3 1/2" diameter, inlet/outlet 1/2" NPT(f).

Model	Dial Totals	Totalizing	Graduation	Extension
<b>OILS, ATF AND ANTI-FREEZE</b>				
867*	16 gallons	yes	1/16 gallon	10" hose
877*	16 quarts	yes	1/4 quart	10" hose
883*	16 quarts	yes	1/4 quart	20" hose
68410	16 quarts	yes	1/4 quart	None
899*	10 liters	yes	1/10 liter	10" hose
<b>GEAR LUBE</b>				
878	8 pints	yes	1/16 gallon	10" hose
881	10 liters	yes	1/4 quart	10" hose
<b>PRE-SET COUNTDOWN FOR OILS, ATF AND ANTI-FREEZE</b>				
3866*	16 quarts/10 liters	yes	1/16 gallon	10" hose
3867*	60 quarts	yes	1/4 quart	10" hose
3868*	60 gallons	yes	1/4 quart	20" hose
3942*	60 liters	yes	1/10 liter	10" hose

\*Includes 90464 swivel.



### **Non-Drip Nozzles & Assemblies**

#### **Model 84799 Nozzle**

1/4" NPTF inlet automatic non-drip nozzle with manual closure feature.

#### **Model 85799 Nozzle**

Same as 84799 with 1/2" NPT(f) inlet.

#### **Model 82258 Assembly**

1/2" x 1/2" NPT(m), hose 91241 and nozzle 93547 included with 867, 877, 899 and 967.



### **Meter Accessories**

#### **Model 242911 Shroud Protector**

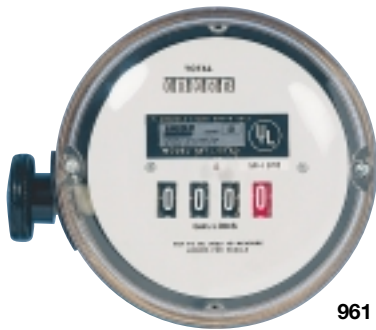
Universal shock protector for all Lincoln Industrial electronic lube meters. Heavy-duty plastic cover fits easily over meter face. Order as separate accessory.

#### **Model 90464 Swivel**

Straight oil meter swivel, 1/2"NPT(m) x 1/2"NPT(f).



90464



961

### Model 961 High Volume Gallons

U.L. approved for gasoline and diesel fuels. Meters light-weight petroleum-base products by pump or gravity flow. Volume flow of 3 to 38 g.p.m. Calibrated in U.S. gallons; 1/10 gallon graduations. Straight readout to 999.9 gallons; reset knob on meter body. Non-reset totalizer on meter face. 50 psi max. pressure. 6 1/4" h, 7 1/8" w; 5 1/2 lbs. 1" NPT(f) inlet/outlet.

*NOTE: For consumer use only. Not intended for measurement where resale is contemplated.*

### Model 964 Liters

Same as 961, except meter is calibrated in liters. Straight readout to 999.9 liters. Maximum working pressure: 3.5 kilograms per square centimeter.



962

### Model 962 Volume Gallons

For oils and ATF up to SAE 40 weight. Calibrated in U.S. gallons; 1/10 gallon graduations. Straight readout to 999.9 gallons; reset knob on meter body. Non-reset totalizer on 6" diameter dial face. 1000 psi max. pressure. 1" NPT(f) inlet/outlet.

*NOTE: For consumer use only. Not intended for measurement where resale is contemplated.*

### Model 963 Liters

Same as 962, except meter is calibrated in liters.

### Model 8000 Gallons

Positive displacement type 5 1/2" diameter calibrated in U.S. gallons with gallon totalizer. For oils, gear lube and ATF. Bracket mounts on the hose reel guide arm. Dial can be reset to zero, but cannot be moved forward except by pumping through meter. Total measure on dial is one gallon. 1/2" NPT(f) inlet and outlet.



8000

### Model 8002 Liters

Calibrated and totalized in liters. Total measure on dial is four liters.

### Model 849 Pints

Calibrated in pints; totalizes in U.S. gallons. Total measure on dial is eight pints.

### Model 870 Pints

Dial diameter 3 1/2"; inlet 1/2" NPT(f). 1000 psi maximum working pressure.



849

### Model 871 Quarts

Calibrated and totalizes in quarts. Total measure on dial is 4 quarts.

### Model 873

Calibrated and totalizes in liters. Total measure on dial is 10 liters.



870

### Model 882

Calibrated in quarts. Total on dial is 16 quarts.

### Inline Lube Meters

Model	Totalizing	Totals	Graduation	Max. PSI
870	Yes	8 pints	1/4 pint	1000
871	Yes	4 quarts	1/4 quart	1000
873	Yes	10 liters	1/10 liter	1000
882	No	16 quarts	1/4 quart	1000
961	Yes	999.9 gal.	1/10 gallon	50
964	Yes	999.9 ltr.	1/10 liters	50
962	Yes	999.9 gal.	1/4 pint	1000
963	Yes	999.9 ltr.	1/10 liters	1000
8000	Yes	1 gallon	1/4 pint	1000
8002	Yes	4 liters	1/4 quart	1000
849	Yes	8 pints	1/4 pint	1000



840



960



5980



5981



5982



5990



846



815



66951



11659

**Blow Guns**

**Model 840**

- Handy thumb-button design provides ease of operation
- Brass stem and synthetic packaging for service life
- Addition of air nipple permits quick connect or disconnect
- Inlet 1/4" NPT(f); outlet 7/64" diameter

**Model 950**

- Same as 840, except with air restrictor
- Nozzle outlet pressure 30 psi maximum complies with Federal Safety Regulation 50-204.8 and OSHA 1910 242.B

**Model 960**

- Light-weight cast aluminum pistol grip
- Inlet 1/4" NPT(f); outlet 7/64" diameter; height 5 3/4"
- Nozzle outlet pressure 30 psi maximum complies with Federal Safety Regulation 50-204.8 and OSHA 1910 242.B

**Model 940**

- Same as 960 less air restrictor
- When used for large cleaning requirement or chip cleaning, regulated air pressure must not exceed Federal recommended maximum

**Model 5980**

- Thumb control provides comfort and ease of operation
- Inlet 1/4" NPT(f); outlet 1/8" NPT(f) outlet

**Adjustable Pocket Blow Guns**

**Model 5981 Automotive Style**

**Model 5982 Lincoln Industrial Style**

- Built-in quick-coupler nipple; 1/4" coupler connection
- Twist turn off and on
- Standard safety by-pass

**Model 5990 Rubber Tip for Blow Guns**

- Rubber tip will not scratch surfaces
- Fits 840, 940 and 5980 blow guns, as well as many competitive models
- 1/8" NPT(m) threads

**Air & Water Accessories**

**Model 846 Water Bibb Cock**

For attaching to water service hose.

- 1/4" NPT(f) inlet
- Thumb-action trigger. Built-in strainer filters out contaminants

**Model 845 Water Bibb Cock**

Same as 846 except inlet 3/4"-11 1/2" AN connects to standard lawn hose.

**Air/Water Accessories**

Model	Description	Style
815	1/4"(f) Air Coupler	Lincoln "Long Stem"
845	Inlet 3/4" -11 1/2" AN	Connects to standard lawn hose
846	1/4"(f) Water Bibb Cock	Low pressure water
11659	1/4"(m) Air Nipple	Lincoln "Long Stem"
66951	1/4"(f) Tire Chuck	Standard tire chuck

### Choose the Fluid Handling Equipment that Fits Your Needs.

**Traditional Drain:** the traditional method for handling used fluids allows gravity to drain fluids from vehicle(s) into a portable or mobile fluid drain and then gravity allowing those fluids to drain into a used fluid storage tank.

**Drain & Evacuate:** instead of gravity draining fluids into a storage tank, fluids are evacuated from the fluid drain into the tank with a suction pump system.



### Standard Oil Drains

#### Model 613

Used with 16 gallon (120 lb.) open-top drum (66493 drum not included). Convenient float gauge shows when drum is full. Includes 17" square rolling base 80895 with 2 1/2" ball bearing caster wheels. 14" drain bowl 82786 is adjustable from 42 3/4" to 70".

#### Model 624

Same as 613 but includes suction pick-up tube and fluid nipple Kit 247748 for easy evacuation through drum cover using a used oil evacuation pump.



#### Model 3644

Used with 16 gallon (120 lb.) open-top drum. (66493 drum not included). Float gauge shows when drum is full. Includes 17" square rolling base 80895 with 2 1/2" caster wheels. 20" diameter drain bowl 3609 is adjustable from 42 3/4" to 70".

### Pedestal-Style Oil Drain

#### Model 3605

Lightweight, easy to position and maneuver. Latch trigger automatically locks drain bowl at any height. Reversible for double life! Bowl cover lid hinged for splash guard extends to catch oil flowing from hard to reach drain plugs. Spring actuated valve in drain bowl to prevent leakage. Includes 82460 drain adapter bushing for draining bowl. Includes large 13 1/2", 4 1/2 gallon bowl assembly 83386.



### Decorative Oil Drains

#### Model 3604 16 Gallon Tank

Float gauge shows when drum is full. Includes 17" square rolling base (80895) with 2 1/2" wheels. 14" drain bowl assembly 82786 is adjustable from 43 7/8" to 69 1/2" high and has thumb screw latch for positioning. Built-in strainer for catching drain plugs. Includes 16 gallon (120 lb.) drum with gravity drain spigot 70526.



### Truck Oil Drain

#### Model 84714 20 Gallon Cart

Ideal oil drain for RV, truck, heavy equipment maintenance and repair. Low profile, large 20 gallon capacity cart. 42" T-handle for easy cart positioning. Used oil transfer by either gravity or suction evacuation. Order drain valve or suction evacuation pump and fluid couplings separately. Two stationary rear wheels and one front wheel caster with grab handle for ease of under vehicle positioning. Metal grating, two baffles and continuous side splash guards to prevent oil spillage during vehicle draining and cart movement. Maximum height is 8.65".





615

### Suction Guns

#### Model 615

Holds up to 18 ounces of fluid. Flexible nozzle for transmission, differential or oil filter service. Precision follower fitted to barrel for superior suction and is impervious to oil, grease and water. Finished in rust-resistant, powder coated blue paint.



3608

### Drain Bowls

#### Model 3608

Large 20" bowl used on 3643 or to update an existing 3613 to a 20" drain bowl.



82786

#### Model 3609

Large 20" bowl used on 3644 or to update an existing 613, 624, 3604 or 3607 to a 20" drain bowl.

#### Model 82786

Standard 14" bowl used on 613, 3604 and 3613 used oil drains.



83386

#### Model 83386

Standard 13 1/2" bowl used on 3605 used oil drains. Large 4 1/2 gallon capacity.



3610

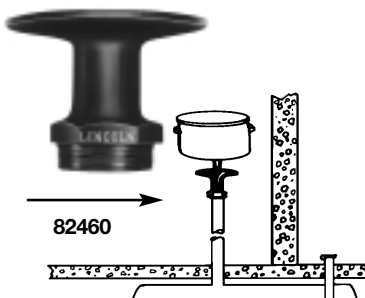
### Funnel & Drain Adapters

#### Model 3610

24 1/2" diameter. Use when larger draining area is required. 3610 molded plastic drain pan rests securely on top of used oil drains. Can be used with pedestal or portable drain devices with 6" or larger drain

#### Model 70526 Drain Spigot

Used fluid drain valve for use with 613 and 3604. 1/2" NPT(m) connection.



82460

#### Model 82460 Drain Adapter

Used with 3605 to drain bowl. When bowl is set into drain adapter bushing a pin automatically releases spring loaded valve. Adapter bushing assembles to a 2" NPT used oil tank standpipe or screws directly into a 2" 55 gallon drum opening.



237105

### **Evacuation Coupler & Nipple Kit**

#### **Model 237105 Suction Hose**

For use in high volume transfer and evacuation systems, 1" NPT(m) threads x 7'.

#### **Model 247748 Suction Kit**

Used with standard 613 or 3604 to update to 624 or 3607 (respectively). Complete with suction tube, drum cover bushing and fluid nipple.

*NOTE: Older mobile used fluid units may require drum cover modification.*

### **Fluid Couplers & Nipples**

#### **Model 241408 Coupler**

#### **Model 241409 Nipple**

For use in high volume transfer applications, both models have 1" NPT(f) threads.

#### **Model 244390 Coupler**

#### **Model 244391 Nipple**

For use in volume transfer and evacuation systems, both models have 3/4" NPT(f) threads.

### **Coupler & Nipple Kit**

#### **Model 68887**

Includes 68887-1 plug and 68887-2 socket. Automatically seals off both ends of lubricant or hydraulic line. When coupled, unit will withstand pressures to 10,000 psig. Plug and socket 1/2" NPT(f).



247748

241408

241409



66493

### **Drum / Base / Dollies**

#### **Model 66493 120 lb. Drum**

16 gallon (120 lb.) drum with 3/4" NPT(f) threaded hole near bottom/side of drum for drain valve or spigot (70526 – sold separately.)

#### **Model 80895 Base**

Standard roll-a-round caster base used on 613, 624 and 3644. For use with 16 gallon (120 lb.) refinery containers. Complete with four swivel casters and drum clamps.

#### **Model 84192 Band Dolly**

For use with 16 gallon (120 lb.) refinery containers. Complete with four swivel casters and drum band clamp. Maximum O.D. is 14"

#### **Model 84377 Band Dolly**

For use with 55 gallon (400 lb.) refinery containers. Complete with four hard rubber 2 1/2" x 1" swivel casters and "X" bracket base.



80895



84377



84192



Don't waste valuable time waiting on gravity to empty waste oil drains. Lincoln Industrial installed systems provide the fast, profitable, safe way to get rid of waste oils and other fluids when gravity draining is not possible or practical. Quickly pump out fluids from rolling drain pans, portable oil drains, differentials and transaxles.

### Basic Fluid Evacuation Pumping System

Lincoln Industrial's Basic Fluid Evacuation and Disposal System can be used with an aluminum double-diaphragm pump that creates a powerful suction to drain used fluids quickly, and transfers them through a completely enclosed system to any type of remote storage tank. Provides clean, safe disposal of waste fluids with no drips, no spills. Pump is air-operated and can be easily mounted on any convenient wall surface. One basic system can serve multiple bays with the addition of hardware.



4105

### Model 4105 Portable Drain Adapter Kit

Includes 1" x 7' suction hose 1625084, quick disconnect coupler 241408, nipple 241409 and mounting hardware for hookup to side port of 16 gal. drum 66493 or truck oil drain 84714.



4110

### Model 4106 Evacuation Hose Kit

Includes 3/4" x 5' hose with swivel 250567, 3/4" fluid coupler 244390 and dust coupler plug. Use with 3633 to evacuate used fluid receiver. Attaches to bulk used fluid storage tank for a closed-loop system.

### Model 4110 Differential & Transaxle Kit

Includes suction hose, fittings and two interchangeable wands for all vehicle makes and models that allow you to drain fluids through plug openings.

### Model 84700 Rolling Drain Pan

Designed for pit installation, 30 gallon capacity 84700 features quarter-turn ball valve drain on front or back of unit for multiple drain hook-up 1 1/2" NPT. Infinite-adjustable axles fits pits 36" to 49 1/2" wide. Polyurethane wheels for smooth, quiet operation, dust cap, chain and splash guard assemblies included.



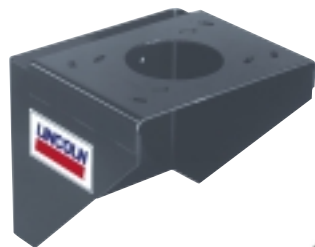
84700

### Model 92572 Splash Guard Assembly

Included with 84700 drain pan. Mounts to either side to deflect oil from side draining engine oil pans.

### Model 85255 Wall Mount Bracket

Wall mount bracket for 1/4" to 1/2" air operated diaphragm pumps



84817

### Model 84817 Wall Mount Bracket

Wall mount bracket for 1/2" to 2" air operated diaphragm pumps

### Used Fluid Overfill Warning Valves

Float rises with used fluid to activate "whistle" warning at prescribed level.

### Model 84815 Single Wall

For single wall tanks & drums in used fluid systems and above ground tanks.



84816

### Model 84824 Double Wall

Same as 84815 except for double walled tanks and above ground tanks.

### Model 84816 4-Way Valve

Four port, two position valve used in waste fluid systems. Enables one pump to pump into and out of drum or tank.

### System from 120 lb. Drum

#### Bill of Materials

Model	Code	Req'd.	Description
918	1	1	50:1 Pump, Cover, Follower, Hoses, Air & Fluid Connectors
602204	2	1	Airline Lubricator 1/4" NPT(f)
602134	3	1	Air Regulator 1/4" NPT(f)
602104	4	1	Airline Filter 1/4" NPT(f)
885	5	1	Hi-Pressure Shut-Off Valve 1/2" NPT(f)
12957	6	1	Nipple, 1/2" NPT(m) x 1/2"-27 (m)
740	7	*	Hi-Pressure Control Valve 1/4" NPT(f)
81387	8	*	Hi-Pressure Universal Swivel, 1/4" NPT(m) x 1/2"-27 (m)
85516	9	*	Adjustable Ball Stop
85050	10a	1	HD Hose Reel with Hose & Lube Connectors, 30' 75360 Hose
6H32G	10b	1	GS Hose Reel with Hose & Lube Connectors, 30' 75360 Hose
§	11	**	5/8" OD Tube Elbow, 1/2" NPT(m)
§	12	**	5/8" OD 90° Elbow or Union Elbow
§	13	**	5/8" OD Tube Union
§	14	**	5/8" OD Tube Union Tee
§	15	**	5/8" OD Tube Elbow, 1/4" NPT(f)
62711	16	**	Hi-Pressure Tubing 5/8" OD x .083 Wall (Working Pressure: 5000 psi)†

\* Included with each reel assembly.

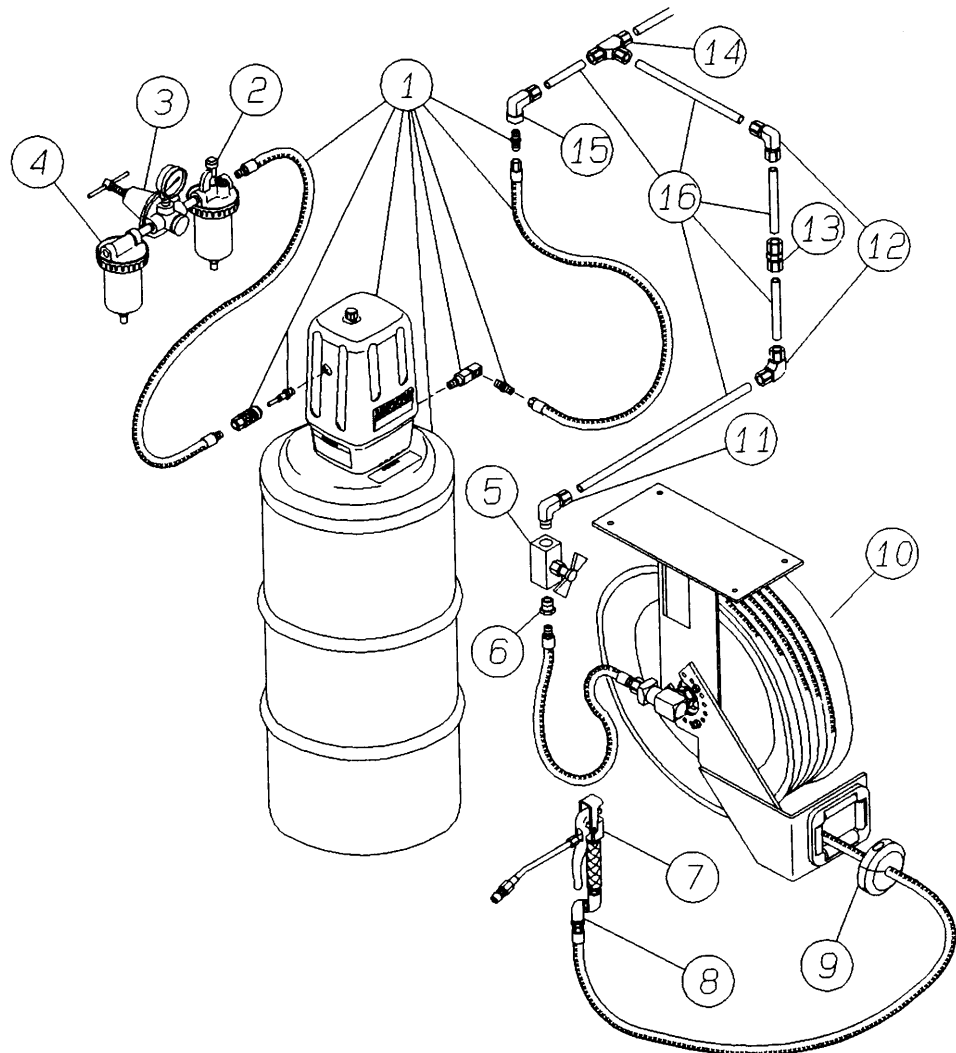
\*\* Requirements vary per system.

† 20' length, 7 pack

§ Not supplied by Lincoln Industrial

The following schematics and bills of material are of common lubrication systems. These depictions are for reference and as an aid in system design.

Variables such as length of pipe/tube run, temperature, location and other specific parameters of a system must be taken into consideration. Please refer to detailed specification information for system componentry in previous catalog pages.



### Two Delivery Points from 400 lb. Drum

#### Bill of Materials

Model	Code	Req'd.	Description
926	1	1	50:1 Pump, Cover, Hoses, Air & Lube Connectors
602204	2	1	Airline Lubricator 1/4" NPT(f)
602134	3	1	Air Regulator 1/4" NPT(f)
602104	4	1	Airline Filter 1/4" NPT(f)
885	5	2	Hi-Pressure Shut-Off Valve 1/2" NPT(f)
12957	6	2	Nipple, 1/2" NPT(m) x 1/2"-27 (m)
740	7	*	Hi-Pressure Control Valve 1/4" NPT(f)
81387	8	*	Hi-Pressure Universal Swivel, 1/4" NPT(m) x 1/2"-27 Thread (m)
85516	9	*	Adjustable Ball Stop
85050	10a	1	HD Hose Reel with Hose & Lube Connectors, 30' 75360 Hose
6H32G	10b	1	GS Hose Reel with Hose & Lube Connectors, 30' 75360 Hose
85051	11a	1	HD Hose Reel with Hose & Lube Connectors, 50' 75600 Hose
6H52G	11b	1	GS Hose Reel with Hose & Lube Connectors, 50' 75600 Hose
11197	12	1	Nipple, 1/2" NPT(m) x 1/2" NPT(m)
§	13	**	5/8" OD Tube Elbow, 1/2" NPT(m)
§	14	**	5/8" OD 90° Union Elbow
§	15	**	5/8" OD Tube Union
§	16	**	5/8" OD Tube Union Tee
§	17	**	5/8" OD Tube Elbow, 1/4" NPT(f)
§	18	**	5/8" OD Tube Union Tee, 1/2" NPT(f)
62711	19	**	Hi-Pressure Tubing 5/8" OD x .083 Wall (Working Pressure: 5000 psi) <sup>†</sup>

\* Included in each reel assembly.

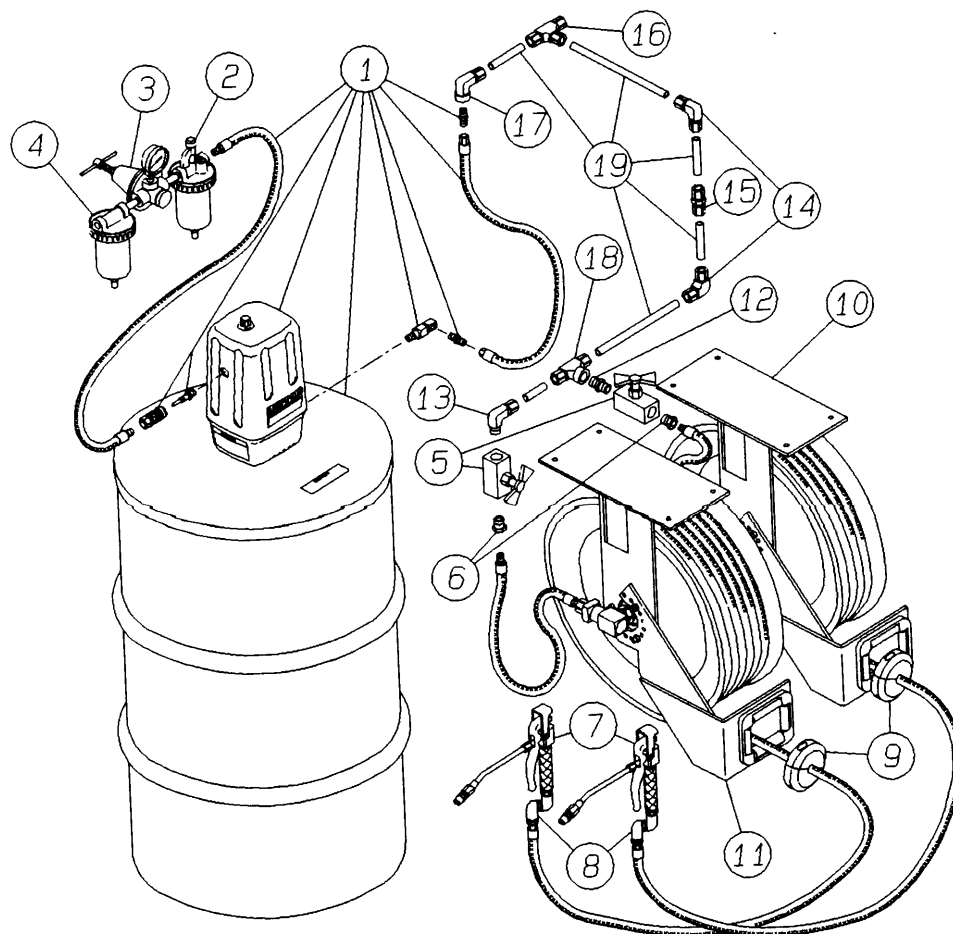
\*\* Requirements vary per system.

<sup>†</sup> 20' length, 7 pack

§ Not supplied by Lincoln Industrial

#### WARNING

For safe and proper use, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.



### Single Reel System from 55 Gal. Drum

#### Bill of Materials

Model	Code	Req'd.	Description
282398	1	1	3:1 Pump, Hoses, Air & Fluid Connectors
602204	2	1	Airline Lubricator 1/4" NPT(f)
602134	3	1	Air Regulator 1/4" NPT(f)
602104	4	1	Airline Filter 1/4" NPT(f)
66084	5	1	Medium Pressure Quarter-Turn Shut-Off Valve 1/2" NPT(f)
84940	6	1	Wall Mount Bracket Kit
877	7	*	Metering Control Valve 1/2" NPT(f)
84945	8	1	Suction Kit 1" NPT
84946	9	1	Low Level Cut-Off 1" NPT
85517	10	*	Adjustable Ball Stop
85057	11a	1	Heavy Duty Hose Reel with Hose & Fluid Connectors, 50' 73600 Hose
6M54D	11b	1	Golden Standard Hose Reel with Hose & Fluid Connectors, 50' 73600 Hose
§	12	**	5/8" OD Union Elbow, 1/2" NPT(m)
§	13	**	5/8" OD 90° Tube Union
§	14	**	5/8" OD Tube Connector, 1/2" NPT(f)
62711	15	**	Hi-Pressure Tubing 5/8" OD x .083 Wall (Working Pressure: 5000 psi)†

\* Included in each reel assembly.

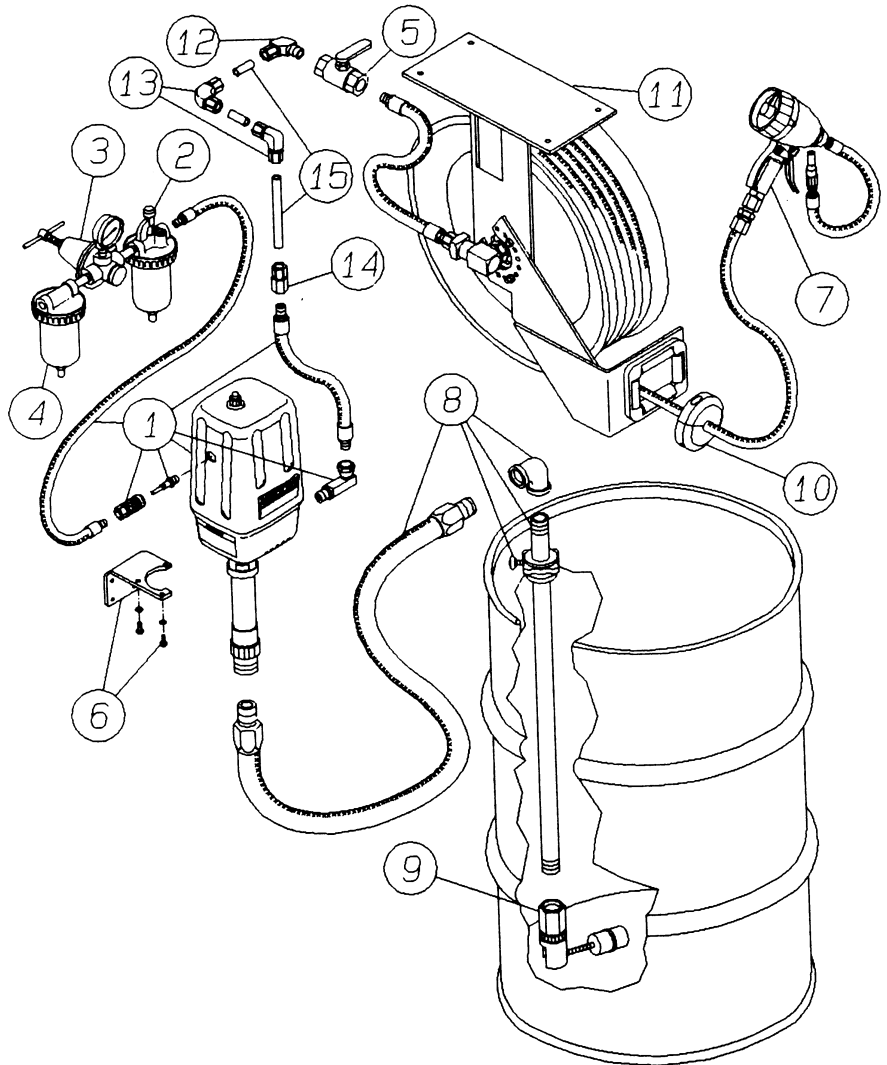
\*\* Requirements vary per system

† 20' length, 7 pack

§ Not supplied by Lincoln Industrial

#### WARNING

For safe and proper use, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.



### Single Product to Two Reels

#### Bill of Materials

Model	Code	Req'd.	Description
282398	1	1	3:1 Pump, Hoses, Air & Fluid Connectors
602204	2	1	Airline Lubricator 1/4" NPT(f)
602134	3	1	Air Regulator 1/4" NPT(f)
602104	4	1	Airline Filter 1/4" NPT(f)
66084	5	1	Medium Pressure Quarter-Turn Shut-Off Valve 1/2" NPT(f)
877	6	*	Metering Control Valve 1/2" NPT(f)
84946	7	1	Low Level Cut-Off 1" NPT
85517	8	*	Adjustable Ball Stop
85057	9a	2	Heavy Duty Hose Reel with Hose & Fluid Connectors, 50' 73600 Hose
6M54D	9b	2	Golden Standard Hose Reel with Hose & Fluid Connectors, 50' 73600 Hose
84945	10	1	Suction Kit 1" NPT
11197	11	**	Nipple, 1/2" NPT(m) x 1/2" NPT(m)
§	12	**	5/8" OD Union Elbow, 1/2" NPT(m)
§	13	**	5/8" OD Tube Union Tee
§	14	**	5/8" Union Elbow, 1/2" NPT(m)
§	15	**	5/8" OD 90° Tube Union
§	16	**	5/8" OD Tube Connector, 1/2" NPT(f)
62711	17	**	Hi-Pressure Tubing 5/8" OD x .083 Wall (Working Pressure 5000psi)†
NA	18	1	Tank

#### WARNING

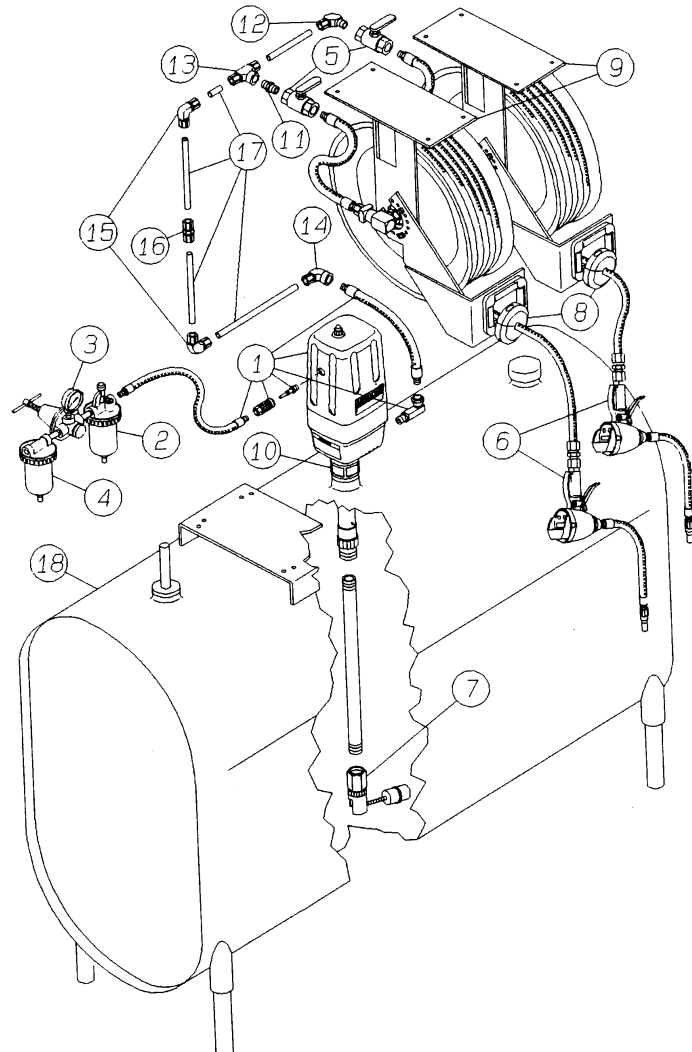
For safe and proper use, always consult instructions accompanying product. See **Safety Warning Information** for appropriate warnings.

\* Included in 85057 reel assembly.

\*\* Requirements vary per system

† 20' length, 7 pack

§ Not supplied by Lincoln Industrial



### Standpipe, Pump Station, Basement Tanks<sup>1</sup>

#### Bill of Materials

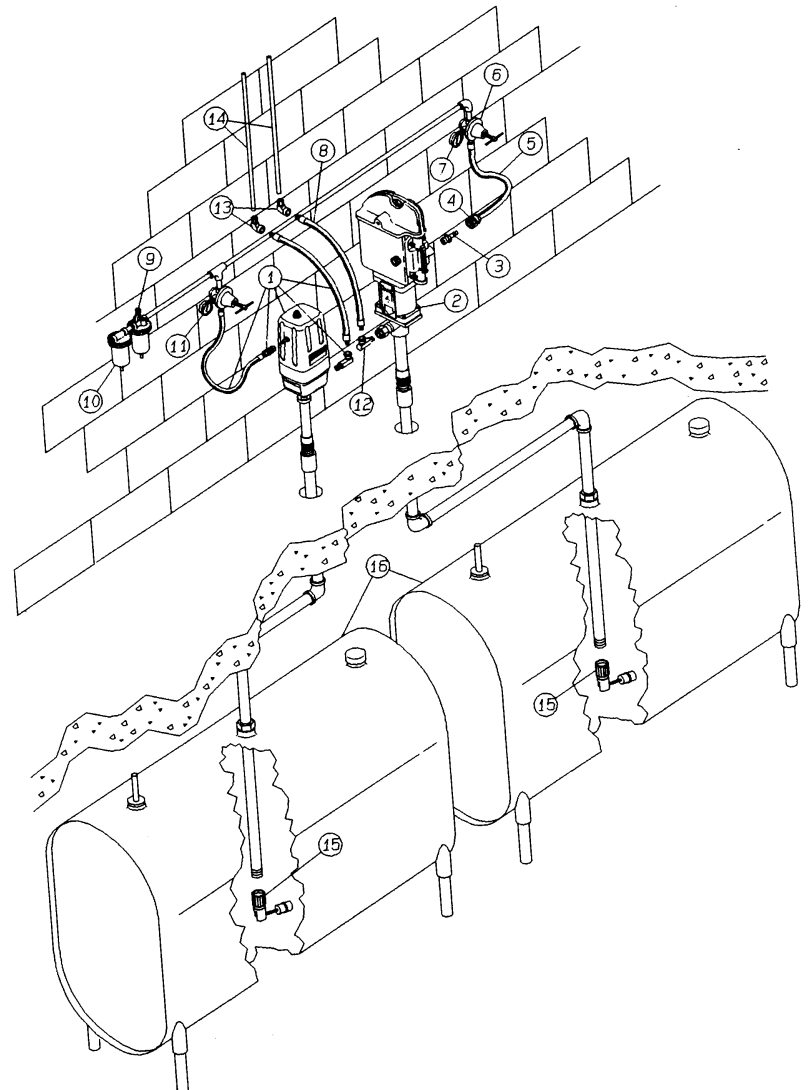
Model	Code	Req'd.	Description
84934	1	1	5:1 Pump Hose Air & Fluid Connectors
1914	2a	1	12:1 PowerMaster® II Stub Pump
2014	2b	1	12:1 PowerMaster III Stub Pump
650112	3	1	Air Nipple 3/4" NPT(m)
652008	4	1	Air Socket 1/2" NPT(f)
§	5	1	Low Pressure Air Hose 1/2" NPT(m)
602008	6	1	Air Regulator 1/2" NPT(f)
247843	7	1	Air Pressure Gauge 1/4" NPT(m)
73024	8	1	Medium Pressure Hose 1/2" NPT(m)
602206	9	1	Airline Lubricator 1/2" NPT(f)
602108	10	1	Airline Filter 1/2" NPT(f)
602004	11	1	Air Regulator 1/4" NPT(f)
241584	12	1	90° Swivel Union 1/2" NPT(f) x 1/2" NPT(m)
§	13	*	5/8" OD Tube Elbow 1/2" NPT(f)
62711	14	*	Hi-Pressure Tubing 5/8" OD x .083 Wall **
82439	15	2	Low Level Cut-Off 1 1/2" NPT(f)
§	16	2	275 Gallon Obround Tank

<sup>1</sup> Underground tanks would be similar.

\* Requirements vary per system.

\*\* 20' length, working pressure 5000psi, 7 pack

§ Not supplied by Lincoln Industrial



### Typical Installation

#### Bill of Materials—Lubricating Equipment

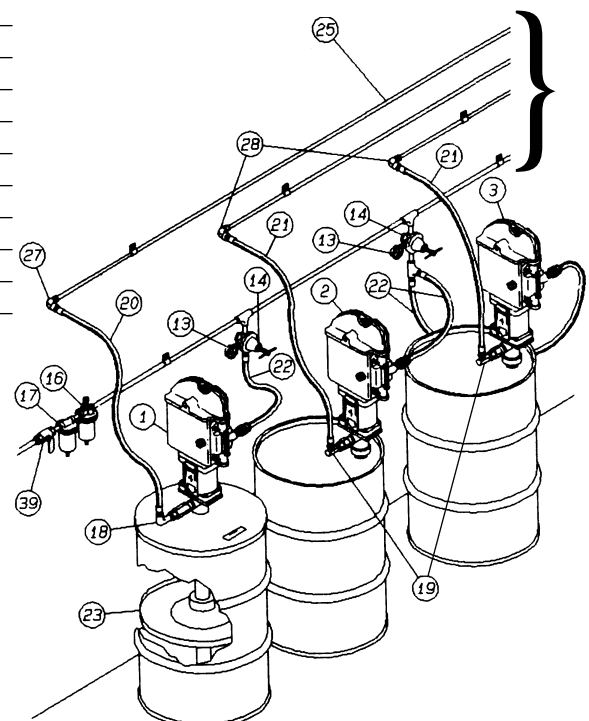
Model	Code	Req'd.	Description
1910-2	1	1	Chassis Lubrigrun 50:1 PowerMaster®
1951-1	2	1	Gear Lube Dispenser 6:1 PowerMaster III
1952-1	3	1	Motor-Oil Dispenser 6:1 PowerMaster III
84855	4a	1	1" Air Operated Double Diaphragm Pump
84817	4b	1	Wall Mount Bracket
84945	4c	1	1" Suction Kit
84934	5	1	ATF Dispenser 5:1 Series 40 Pump, Hoses, Air & Fluid Connectors
85051	6	1	Chassis Reel
85055	7	1	Gear Lubricant Reel
85061	8	1	Motor Oil Reel
85857	9	1	Anti-freeze Reel
85061	10	1	ATF Reel
85063	11	1	Air Service Reel
85242	12	6	Mounting Rail Assembly
247843	13	2	Air Pressure Gauge 1/4" NPT(m)
602004	14	2	Air Regulator 1/4" NPT(f)
602004	15	2	Air Regulator (with Gauge) 1/4" NPT(f)
602208	16	1	Airline Lubricator 1/2" NPT(f)
602108	17	1	Airline Filter 1/2" NPT(f)
82087	18	1	Hi-Pressure 90° Swivel 1/2" NPT(m)
241584	19	2	90° Swivel Union 1/2" NPT(f) x 1/2" NPT(m)
76024A	20	1	Volume Hi-Pressure Hose 1/2" NPT(f)
73060	21	2	Volume Medium Pressure Hose 1/2" NPT(m)
§	22	3	Volume Low Pressure Air Hose 1/2" NPT(m)
83369	23	1	Follower Plate (Chassis 400 lb. Drum)
§	24	2	275 Gallon Obound Tank

#### Bill of Materials—Lubricant Supply Lines

Model	Code	Req'd.	Description
62711	25	*	Hi-Pressure Steel Tubing 5/8" OD x .083 Wall (20' lengths)
§	26a	*	Medium Pressure Steel Tubing 5/8" OD x .049 Wall (20' lengths)
§	26b	*	Alternate for Antifreeze 15 PVC or Copper Pipe
§	27	1	5/8" OD Tube Elbow, 1/2" NPT(m)
§	28	4	5/8" OD Tube Elbow, 1/2" NPT(f)
§	29	5	5/8" OD Tube Union
§	30	5	5/8" OD Tube Union Tee, 1/2" NPT(f)
885	31	1	Hi-Pressure Shut-Off Valve 1/2" NPT(f)
66084	32	4	Medium Pressure 1/4 Turn Shut-Off Valve 1/2" NPT(f)
§	33	2	Bushing 1/4" NPT(f) x 1/2" NPT(m)
66596	34	*	Tube Clip for 5/8" OD Tubing 9/32" Diameter Hole

\* Quantities vary with installation.  
 § Not supplied by Lincoln Industrial

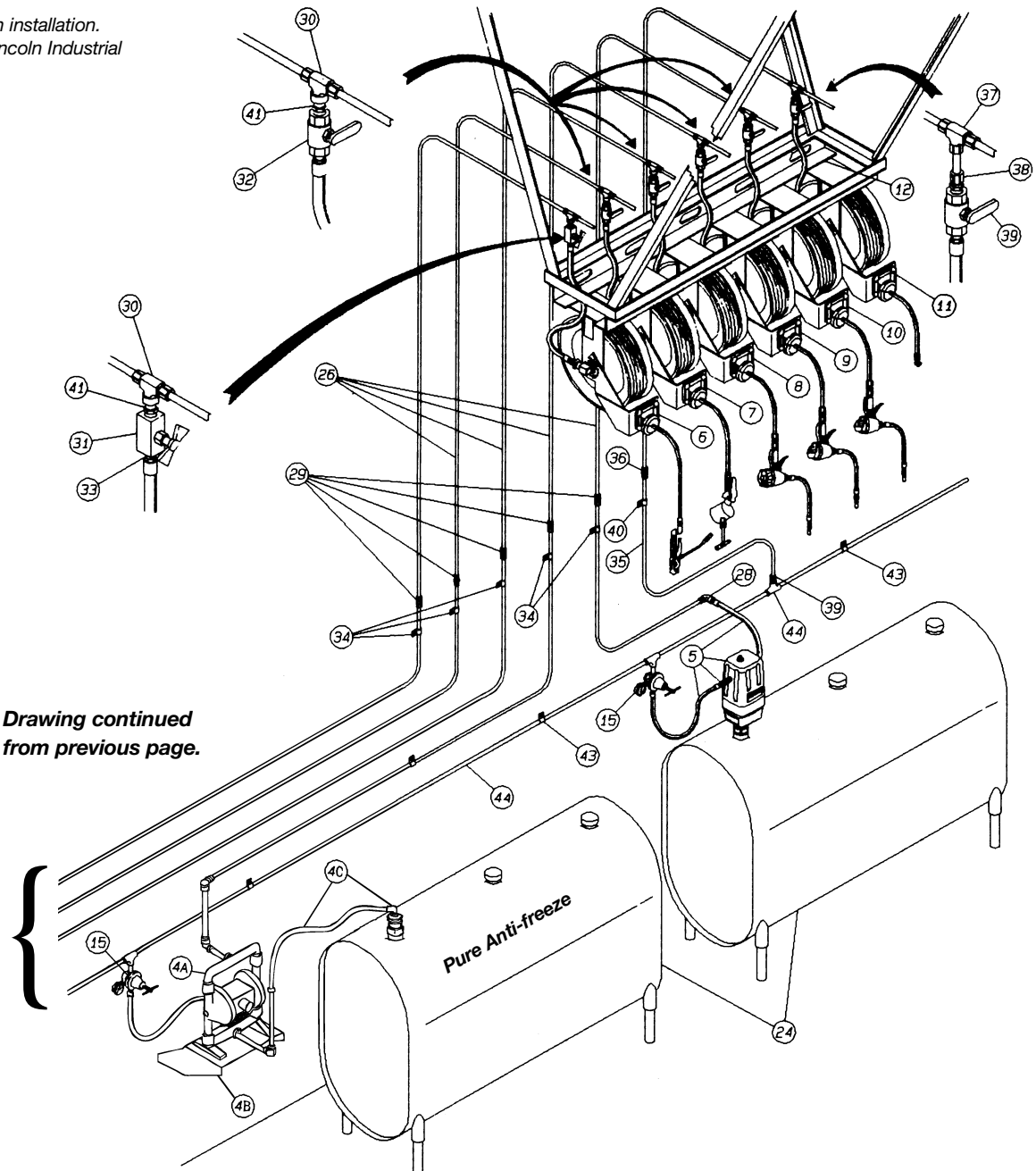
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### Bill of Materials—Air Supply Lines

Model	Code	Req'd.	Description
§	35	*	Low Pressure Copper Tubing $\frac{3}{8}$ " OD or $\frac{1}{2}$ " OD
§	35	*	$\frac{1}{2}$ " Schedule 40 Galvanized Steel Pipe
§	36	1	Union
§	37	1	Tee
§	38	2	Connector $\frac{1}{2}$ " NPT(m)
66084	39	2	Shut-Off Valve $\frac{1}{2}$ " NPT(f)
360108	40	*	Tube Clip for $\frac{1}{2}$ " OD Tubing $\frac{7}{32}$ " Diameter Hole
11197	41	5	Nipple $\frac{1}{2}$ " NPT(m) x $\frac{1}{2}$ " NPT(m).
66883	42	1	Adapter Union, $\frac{1}{2}$ " NPSM(f) Swivel x $\frac{1}{2}$ " NPT(m)
§	43	*	Pipe Clamp for $\frac{1}{2}$ " Pipe
§	44	*	$\frac{1}{2}$ " Schedule 40 ASTM A53 Buttwelded Pipe & Malleable Fittings
84817	45	*	Pump Mounting Bracket

\* Quantities vary with installation.  
 § Not supplied by Lincoln Industrial



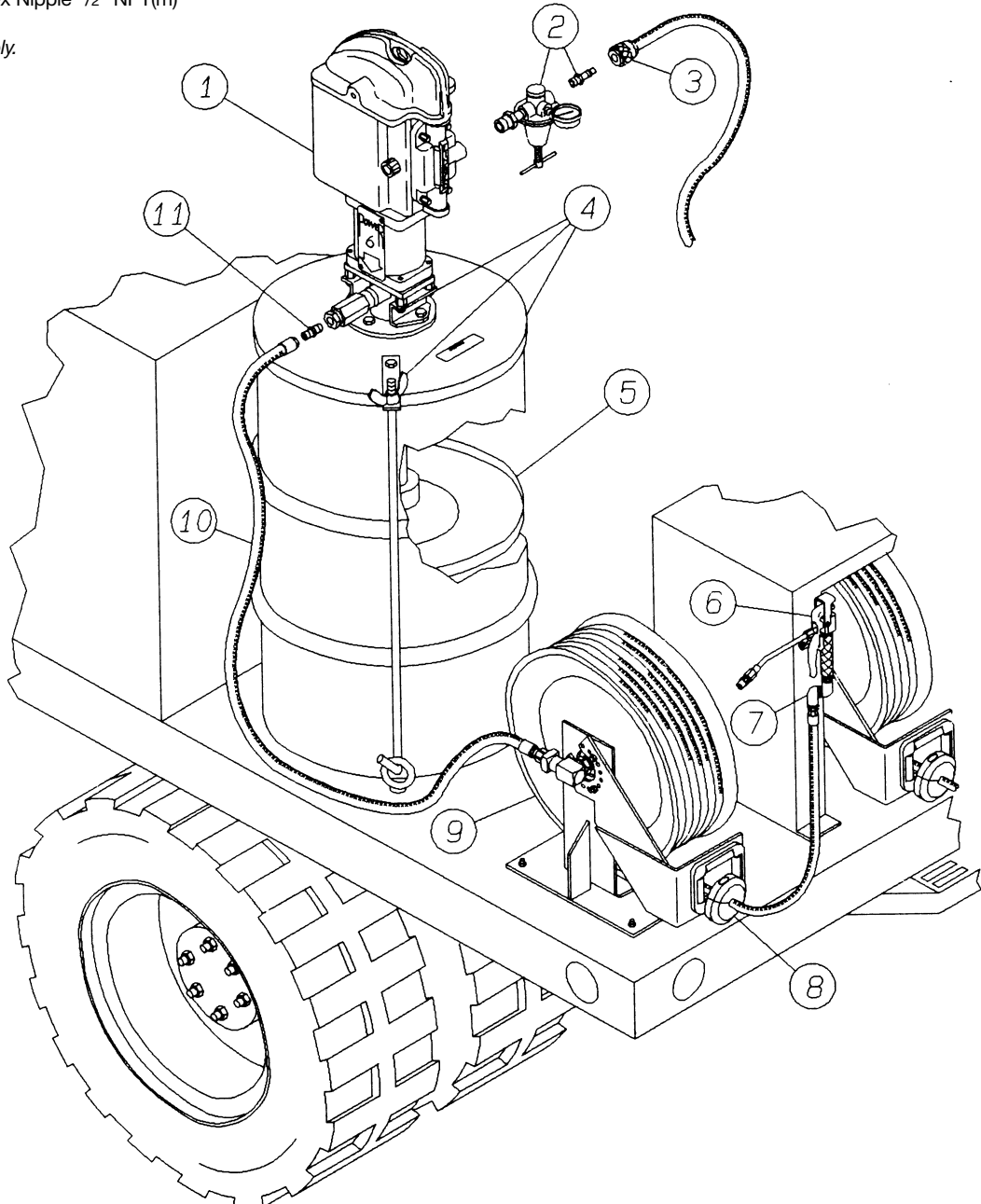


### Grease Application

#### Bill of Materials

Model	Code	Req'd.	Description
1904	1a	1	75:1 PowerMaster® II Pump
2014	1b	1	75:1 PowerMaster III Pump
602138	2	1	Air Regulator 3/4" NPT(m)
652008	3	1	Air Socket(f) for 1/2" I.D. Hose
81482	4	1	400 lb. Drum Cover with Pump Mounting Flange and Tie Rod Assemblies
83366	5	1	Follower Plate
740	6	*	Hi-Pressure Control Valve 1/4" NPT(f)
81387	7	*	Hi-Pressure Universal Swivel, 1/4" NPT(m) x 1/2-27 thread (m)
85516	8	*	Adjustable Ball Stop
85051	9	1	Complete Reel Assembly with 50' 1/4" Hose
76120B	10	1	Hi-Pressure Hose 3/8" NPT(f)
11197	11	2	Steel Hex Nipple 1/2" NPT(m)

\* Included in #85051 reel assembly.



### Oil Application

#### Bill of Materials

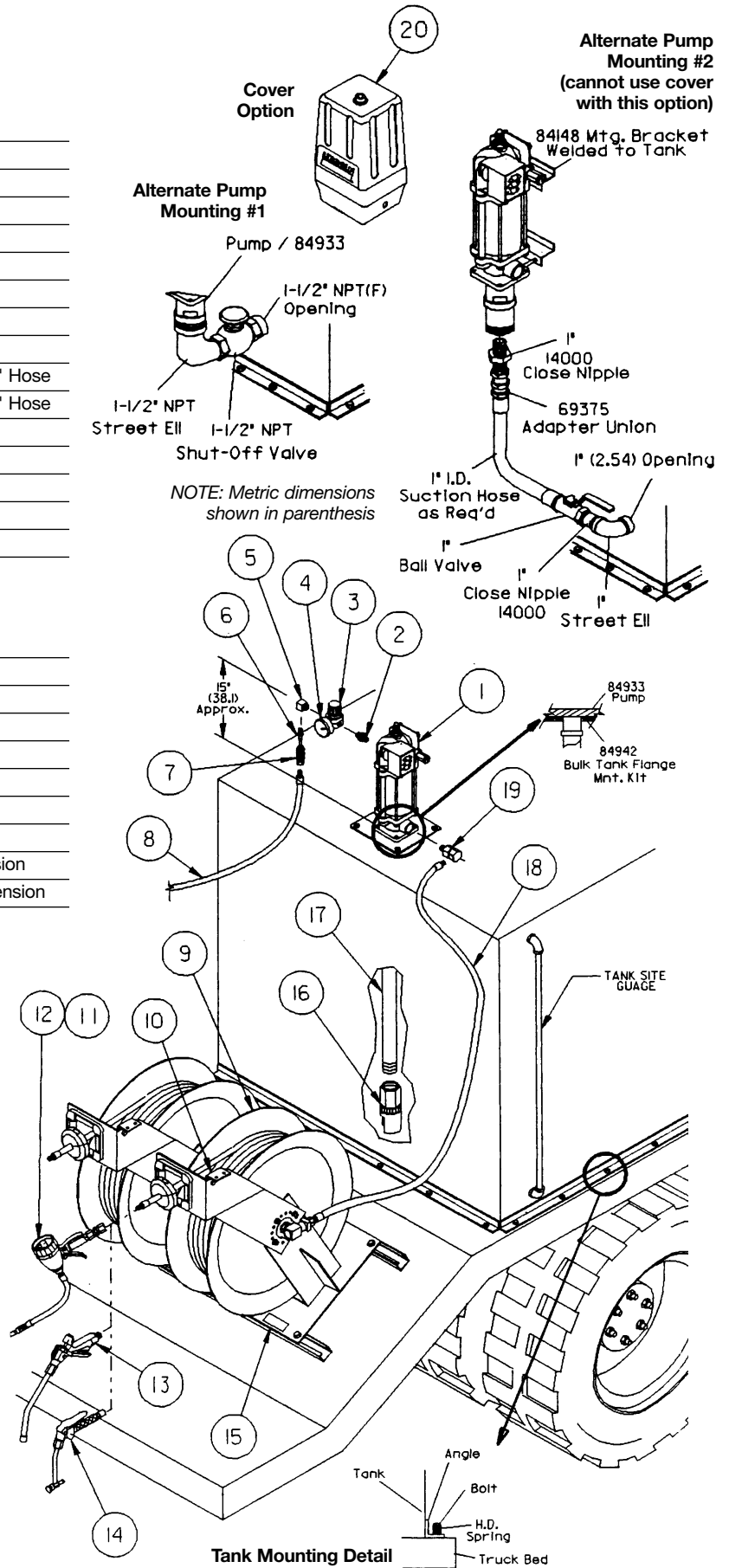
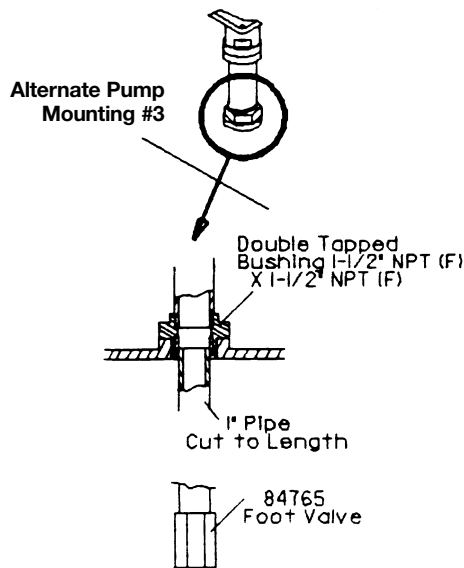
Model	Code	Req'd.	Description
84933	1	1	5:1 Series 40 Lube Pump
10462	2	1	Nipple 1/4" NPT
602004	3	1	Air Regulator, 1/4" NPT
247843	4	1	Air Gauge
67054	5	1	Street Ell, 1/4" NPT
11659	6	1	Air Nipple
815	7	1	Air Coupler
72060	8	1	5' Air Connecting Hose
83463-30	9a	1	Heavy Duty Hose Reel with 30' 1/2" Hose
83464-50	9b	1	Heavy Duty Hose Reel with 50' 1/2" Hose
360249	10	1	Support Bracket*
85765	16	1	Foot Valve
§	17	1	1" NPT Black Pipe (Cut to Fit)
73060	18	1	5' Oil Connecting Hose
241584	19	1	Adapter Union, 1/2" NPT
84935	20	1	Pump Cover Kit

#### Meter Control Valve Options

867	11	1	Gallon Totalizing Meter
877	11	1	Quart Totalizing Meter
883	11	1	Quart Totalizing Meter
889	11	1	Liter Totalizing Meter
878	11	1	Pint Totalizing Meter
3867	12	1	Preset Quart Meter
3868	12	1	Preset Gallon Meter
3942	12	1	Preset Liter Meter
775	13	1	Volume Control Valve, Rigid Extension
776	13	1	Volume Control Valve, Flexible Extension
780	14	1	Gear Oil Control Valve

\* Used w/82980 Tie Angle Bar, order separately.

§ Not supplied by Lincoln Industrial





**Drum Covers**

**Model 81482 400 lb.**

Includes mounting flange and tie rods for mounting any PM II pump. Includes 84318 drum cover and 84273 adapter flange.

**Model 84768 400 lb.**

Same as 81482 except for PM III. Includes 84318 drum cover and 84963 adapter flange.

**Model 84291 120 lb.**

Same as 81482, except for 120 lb. drums. Includes 84299 drum cover and 84273 adapter flange.

**Model 84767 120 lb.**

Same as 84291 except for PM III. Includes 84299 drum cover and 84963 adapter flange.

**Model 84273 Flange Mounting Assembly**

For rigidly mounting any PM II stub pump or drum pump to top of a fabricated bulk tank.

**Model 84963 Flange Mounting Assembly**

Same as 84273 except for PM III pumps.

**Model 83131 Tie Rod Assembly**

For bung opening 400 lb. drums. Tie rods and eye-bolts 5/8" diameter steel plated to resist rust.

**Model 83119 Tie Rod Assembly**

Same as 83131 except for 120 lb. drums.

**Model 84975 Secondary Support Arm**

Add to heavy-duty reels 82206, 84672 and 84691 for extra support. Ideal for lube trucks, this bolt-on kit has self-aligning bearing and mounting hardware.

**Model 360248 Drum Locator**

Positions and secures 400 lb. drums when truck is in motion. Two identical angles in a circular segment with an 11 1/2" radius. Holes provided for fastening angle to platform. Welding optional.

**Mounting Brackets**

**Model 84323 Mounting Bracket**

For mounting 961 or 964 to 103012 hose reel. Recommended for attaching meters to any vertical or horizontal surface. Bracket assembly is standard pipe with 1" (m) pipe thread on both ends and reducing bushing.

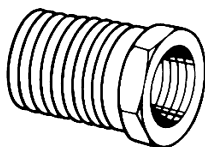
**Model 84362 Mounting Bracket**

Use for mounting 962 or 963 to 84121 super duty hose reel.

**Model 84723 Cover Panel Kit for PM III Pumps**

Metal cover fits over tie rod ends and encloses moving plunger rod. Prohibits foreign matter from attaching to pump plunger and causing premature wear.

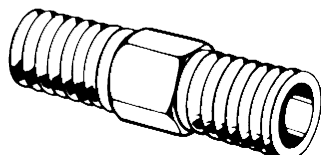
Reducing Bushing



### Reducing Bushings

Model	Thread	Construction
10461	1/8" NPT(f) x 1/4" NPT(m)	Steel
10200	1/8" NPT(f) x 1/2"-27 (m)	Brass
11229	1/4" NPT(f) x 1/8" NPT(m)	Steel
11348	1/4" NPT(f) x 1/4" NPT(m)	Steel
10204	1/4" NPT(f) x 1/2"-27 (m)	Brass
10201	7/16"-27 (f) x 1/2"-27 (m)	Brass
67171	1/2" NPT(f) x 3/4" NPT(m)	Steel

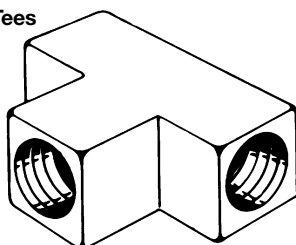
Nipples



### Nipples

Model	Thread	Construction
10130	1/8" NPT(m) x 1/8" NPT(m)	Steel
10772	1/8" NPT(m) x 1/4" NPT(m)	Steel
10199	1/8" NPT(m) x 1/2"-27 (m)	Brass
10462	1/4" NPT(m) x 1/4" NPT(m)	Steel
10198	1/4" NPT(m) x 1/2"-27 (m)	Brass
10773	1/4" NPT(m) x 3/8" NPT(m)	Steel
10540	3/8" NPT(m) x 3/8" NPT(m)	Steel
11107	3/8" NPT(m) x 1/2" NPT(m)	Steel
11197	1/2" NPT(m) x 1/2" NPT(m)	Steel
12957	1/2" NPT(m) x 1/2"-27 (m)	Steel
10202	1/2"-27 (m) x 1/2"-27 (m)	Brass

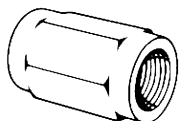
Tees



### Tees

Model	Thread	Construction
67102	1/4" NPT(f)	Brass
67041	1/2" NPT(f)	Malleable Iron

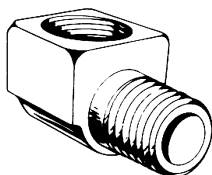
Reducing Couplings



### Reducing Couplings

Model	Thread	Construction
11852	1/8" NPT(f) x 1/2"-27 (f)	Steel
10522	1/4" NPT(f) x 1/2"-27 (f)	Brass

Street Elbs



### Street Elbs

Model	Thread	Construction
67368	1/8" NPT(f) x 1/8" NPT(m)	Brass
67054	1/4" NPT(f) x 1/4" NPT(m)	Brass
67358	3/8" NPT(f) x 3/8" NPT(m)	Brass



66645

### Adapter Unions

Model	Thread	Construction
66645	1/4" NPSM(f) Swivel x 1/4" NPT(m)	Steel
66842	3/8" NPSM(f) Swivel x 3/8" NPT(m)	Steel
66883	1/2" NPSM(f) Swivel x 1/2" NPT(m)	Steel
66895	3/4" NPT(f) Swivel x 3/4" NPT(f)	Steel
69375	1" NPT(f) Swivel x 1" NPT(m)	Steel



778

### Shut-Off Valves

#### Needle-Type Valves for Chassis Grease

Model	Thread	Construction
778	1/4" NPT(f)	High Pressure
884	3/8" NPT(f)	High Pressure
885	1/2" NPT(f)	High Pressure

Maximum Working Pressure PSI 10,000 / 680 Bar



69422

### Quarter Turn Valves

#### High Pressure

Control lever with "ON" on "OFF" positions provides visual check as to whether lubrication line is open or closed. Buna-N seals with Teflon® seat.

Model	Inlet/Outlet	Maximum Working Pressure (psi) / Bar
69503	1/2" NPT(f)	2000 / 138
69425	3/4" NPT(f)	2500 / 172
69423	1" NPT(f)	2500 / 172
69422	1 1/2" NPT(f)	2500 / 172



66084

### Medium Pressure

Model	Inlet/Outlet	Maximum Working Pressure (psi) / Bar
256200	1/4" NPT(f)	750 / 52
66084	1/2" NPT(f)	750 / 52



84004

### Lubricant Filters

#### Model 84004

For mounting at pump outlet. Contains replaceable 140 micron stainless steel filter element 69524. 1/2" NPT(m) inlet and outlet. 1 3/8" hex. steel body. Maximum pressure 5000 psi. 100 mesh screen.

# General Lubrication Products

## POWER-LUBER® Rechargeable Grease Gun



The new POWER-LUBER 12-volt cordless rechargeable grease gun has a powerful 12-volt motor that delivers a consistent grease flow (3 oz/min) at up to 6000 psi (414 bar), while the fully rechargeable power pack (1300 mAh capacity) provides unrestricted mobility. Features 14.5 oz. cartridge or bulk grease loading.

### Model 1240

Comes complete with:

- Model 1210 110-volt one-hour fast charger
- Model 1201 12.0 volt ni-cad rechargeable battery
- Model 1230 30" flex hose with spring guard
- Packaged in a carton.

### Model 1242

Comes complete with:

- Model 1240
- Packaged in a custom carrying case designed to hold optional rechargeable battery and two optional grease cartridges.



1242

### Model 1244

- Model 1240
- Second 12-volt ni-cad rechargeable battery
- Packaged in a custom carrying case designed to hold optional rechargeable battery and two optional grease cartridges.

### Accessories

#### Model 1210

110-volt one hour fast charger, designed for use with battery pack Model 1201.

#### Model 1201

High-capacity 12-volt ni-cad rechargeable battery with a 1300 mAh capacity, dispenses a minimum of three grease cartridges under normal conditions.

#### Models 1218, 1224, 1230 and 1236

Flexible, durable whip hoses have spring guards to prevent hose ruptures. Convenient lengths of 18", 24", 30" and 36".

### Special Models for Global Markets



1201

1210

1218

Package Primary Language	• Power-Luber • Charger • Battery • Case	Charger Only	Battery	Charger Plug Connection	Charger Volts/Hertz
English	1242 E	1210E	1201E	Round Pin/ 2 Pole	
German	1242G	1210G	1201G		
English	1242A	1210A	1201A	Oblique Flat Plug (Australia)	220/50
English	1242UK	1210UK	1201UK	Rectangular Blade/3 Pole	

# General Lubrication Products

## POWER-LUBER® Rechargeable Grease Gun



The POWER-LUBER 7.2-volt cordless rechargeable grease gun has a powerful 7.2-volt motor that provides high-pressure delivery at up to 5000 psi (345 bar), while the fully rechargeable 7.2 volt power pack provides long-lasting lubrication power and complete mobility. Features 14.5 oz. cartridge or bulk grease loading.

### Model 1232

Comes complete with:

- Model 1211 110-volt three-hour charger
- Model 1203 7.2 volt ni-cad rechargeable battery
- Model 1218 18" flex hose with spring guard
- Packaged in a custom carrying case designed to hold optional rechargeable battery and two optional grease cartridges

### Accessories

#### Model 1211

110-volt three hour fast charger, designed for use with battery pack Model 1203.

#### Model 1203

High-capacity 7.2-volt ni-cad rechargeable battery with a 1300 mAh capacity, dispenses a minimum of three grease cartridges under normal conditions.

#### Models 1218, 1224, 1230 and 1236

Flexible, durable whip hoses have spring guards to prevent hose ruptures. Convenient lengths of 18", 24", 30" and 36".

### Air Powered Grease Gun

#### Model 1160

Fully automatic, continuous cycle, includes exclusive air motor for consistent self-priming (patent pending).

- Flip-over follower eliminates grease bypass.
- Heavy-duty spring for prime retention.
- Locking follower rod for easy loading.
- 40:1 ratio; air operating range 60-150 psi.
- Three way loading with optional 91108 filler nipple.
- 6000 psi maximum pressure.

### WARNING

Do not exceed 90 psi air with flexible hose. Do not hold whip hose while pumping the grease gun. Replace damaged whip hose with 4500 psi rated hose.





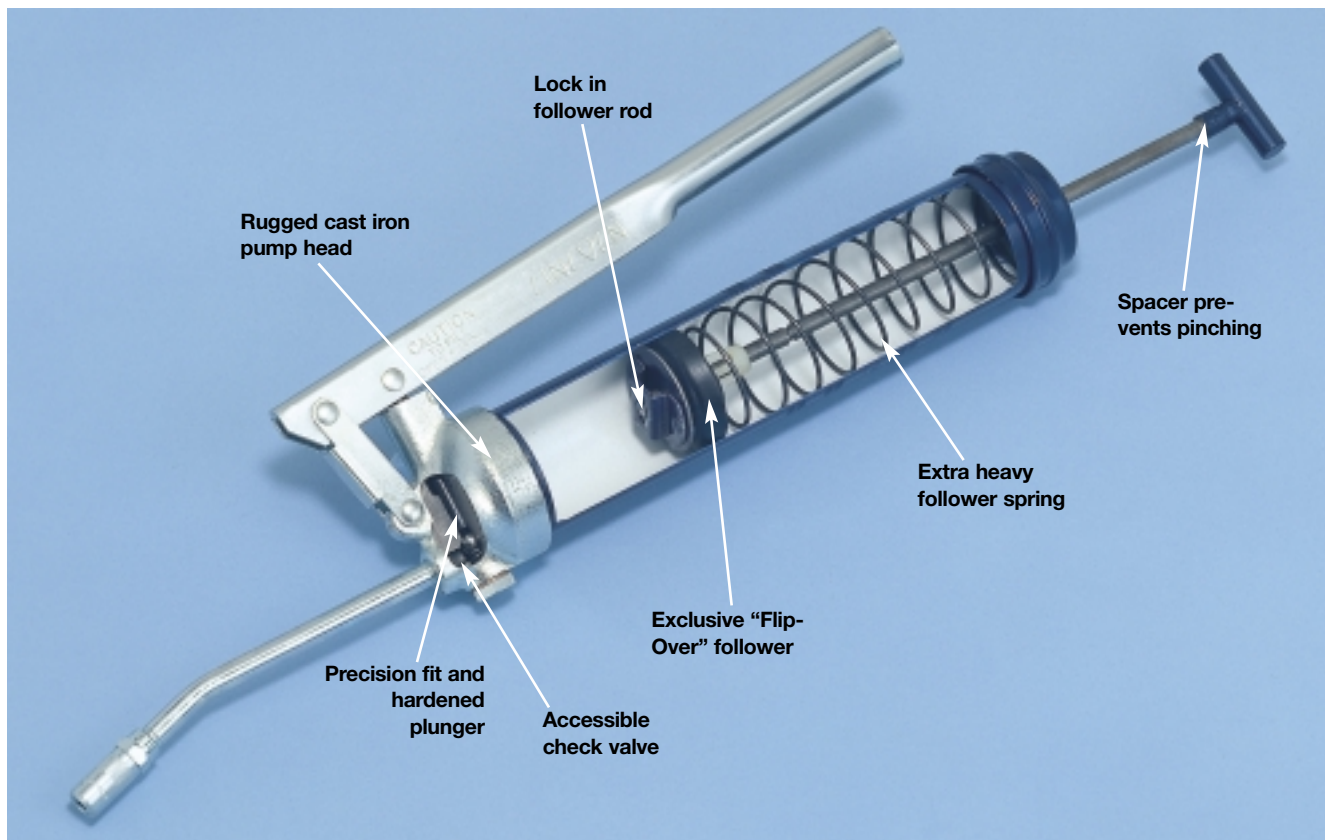
### **Shouldn't All Your Tools Be Professional Quality?**

Lincoln Industrial grease guns...recognized as the industry standard for performance and value...the first choice of professional mechanics everywhere.

As a professional mechanic, your livelihood depends on your tools, so why settle for anything less than the best? Lincoln Industrial's high-pressure, heavy-duty, grease guns are built for a lifetime of performance, proven over years of use and backed by the industry's most comprehensive warranty. Available wherever professional quality service tools are sold.

### **Features**

- Jam-proof toggle mechanism prevents binding or accidental bending of plunger.
- Precision fit and hardened plunger prevents lubricant bypass, resists scoring for longer life.
- Rugged cast iron pump head for strength and durability. Delivers fast, dependable lubrication.
- Follower rod locks into follower to force prime.
- Exclusive "Flip-Over" follower allows a superior seal for either cartridge or bulk loading applications. Tough, resilient and impervious to lubricant.
- Extra-heavy follower spring ensures positive priming and uninterrupted pumping action.
- Accessible check valve allows easy cleaning without gun disassembly.
- Spacer located on follower rod handle prevents finger pinching.
- Handy three-way loading by suction, filler pump or cartridge.
- Longer handle for increased leverage.
- Heavy gauge powder coated steel barrel.







### Heavy-Duty Lever Type

#### Model 1142

First choice of users everywhere. Heavy duty cast iron head unique in the industry with cadmium plated toggle and lever and powder painted barrel to resist rust.

#### Model 1148

Same as 1142, with handle grip and vent valve for purging air from gun. Two-way filling, suction and cartridge. Variable stroke/variable pressure: short stroke—high pressure; long stroke—high volume.

#### Model 1147

Same as 1142 with 18" whip hose and coupler; flip-over follower set for cartridge use.

#### Model 1151

Same as 1142 but holds 21 ounces bulk; flip-over follower set for bulk loading.

### Heavy-Duty Pistol Grip Type

#### Model 1132

Fast, one-hand operation with similar features and benefits of Lincoln Industrial lever type grease guns. Includes 5 inch extension with coupler.

#### Model 1133

Same as 1132 with 18" whip hose and coupler.

#### Model 82760 Clamp

Mounts on tractor, truck, machine or work bench—keep gun ready when it's needed. Snap-latch cinches all 2 1/4" diameter barrel guns securely; gun can't jar loose.

#### Model 91108 Filler Nipple

Enables hand guns to be loaded using filler pump method. Includes ball check; 1/8" NPT(m).

### Grease Guns Lever Type

Model	Lube Capacity	Extension	Length
1142*	16oz. Bulk/14.5oz. Cartridge	5853 6" & 5852 coupler	21 3/4"
1148*	16oz. Bulk/14.5oz. Cartridge	5853 6" & 5852 coupler	21 3/4"
1140*	16oz. Bulk/14.5oz. Cartridge	None	16"
1147*	16oz. Bulk/14.5oz. Cartridge	71518 18" Hose & 5852 coupler	21 3/4"
1151**	21oz. Bulk/14.5oz. Cartridge	5853 6" & 5852 coupler	24 1/2"

Specifications: Output 1oz. per 33 strokes using No. 1 grease at 70°F. Barrel diameter 2 1/4"

\*Follower set for cartridge use.

\*\*Follower set for bulk loading.

### Grease Guns Pistol Grip

Model	Lube Capacity	Extension	Length
1133*	16oz. Bulk/14.5oz. Cartridge	71518 18" Flex Hose & 5852 coupler	15 1/2"
1132*	16oz. Bulk/14.5oz. Cartridge	67020 6" Straight Pipe & 5852 coupler	15 1/2"

Specifications: Output 1oz. per 33 strokes using No. 1 grease at 70°F. Barrel diameter 2 1/4"

\*Follower set for cartridge use.

### WARNING

Do not hold whip hose while pumping the grease gun. Replace damaged whip hose with 4500 psi rated hose.

# General Lubrication Products

## Heavy Duty Grease Guns



**Lincoln Industrial Heavy-Duty Grease Guns Incorporate the Same Unique Features as Model 1142.**



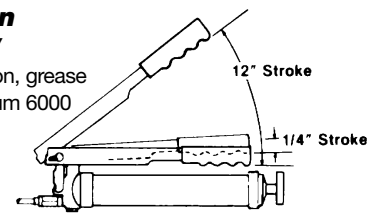
### Dual Pressure

#### Model 1013 and 1145

- Dual pressure—high or low—for light or heavy-duty greasing action.
- Full pressure on short strokes for heavy greasing in tight places (develops full pressure with just 1/4" stroke).
- Extension swivels 360°—makes hard-to-reach fitting easily accessible.
- Plated barrel, head and handle.
- Hand three-way loading: cartridge, filler pump or bulk.
- Grease resistant rubber handle grip permits comfortable, sure grip for positive pumping action.

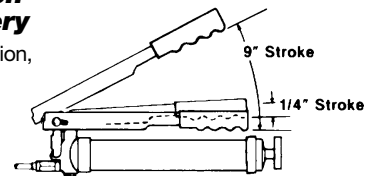
#### Load Pin in Rear Position for High Output Delivery

With handle in REAR (lo) shift position, grease is delivered at low pressure (maximum 6000 psig) with strokes from 1/4" to 12". Output 1 ounce per 18 full strokes.



#### Load Pin in Front Position for High-Pressure Delivery

With handle in FRONT (hi) shift position, grease is delivered at high pressure (maximum 7000 psig) with strokes from 1/4" to 9". Output 1 ounce per 33 full strokes.



### Precision High Pressure and Volume

#### Model 1035 and 1037

- Exclusive toggle mechanism design uses compound leverage for high-pressure pumping with little effort.
- All-weather use. Plated gun barrel and handle, black enamel head for rust and corrosion resistance.
- Equipped with filler nipple for fast refill from Lincoln Industrial filler pump.
- 21 oz. bulk capacity for heavy-duty greasing applications.

### Dual Pressure

Model	Lube Capacity	Extension	Length	Max. Pressure
1013	16oz. Bulk/14.5oz. Cartridge	5853 6" & hydraulic coupler	22 7/8"	7000/6000 psi
1145	21oz. Bulk/14.5oz. Cartridge	5853 6" & hydraulic coupler	25 1/4"	7000/6000 psi

**Specifications:** Output at **low pressure** 1oz. per 18 strokes; at **high pressure** 1 oz. per 33 strokes using No. 1 cup grease at 70°F. Barrel diameter 2 1/4".

### High Pressure

Model	Lube Capacity	Extension	Length	Max. Pressure
1035	21oz. Bulk/14.5oz. Cartridge	5853 6" w/ heavy-duty coupler	27 1/4"	7000 psi

**Specifications:** Lubricant output 1oz. per 25 strokes using No. 1 cup grease at 70°F. Barrel diameter 2 1/4".

### Volume

Model	Lube Capacity	Extension	Length	Max. Pressure
1037	21oz. Bulk/14.5oz. Cartridge	5853 6" & hydraulic coupler	27 1/4"	3000 psi

**Specifications:** Lubricant output 1oz. per 9 strokes using No. 1 cup grease at 70°F. Barrel diameter 2 1/4".



**Hydraulic Couplers**

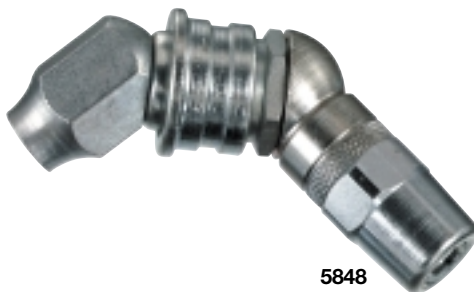
**Model 5852 Packaged**  
**Model 245978 Bulk**

- 6000 psi maximum operating pressure.
- For all hydraulic type grease fittings.
- Small outside diameter permits easy contact with recessed fittings.
- Replaceable hardened steel jaws.
- Built-in ball check prevents leak and lubricant backup.
- Inlet 1/8" NPT(f).



**Model 5845 Heavy-Duty Packaged**  
**Model 245976 Bulk**

- 7500 psi maximum operating pressure.
- Same as 5852 except 1/8" larger outside diameter.



**Model 5848 Adapter**

- 7000 psi maximum operating pressure.
- Built-in swivel allows full 360° circle.
- Locks in any one of eight 45° positions.
- Adjustable coupler section permits contact with fittings in reverse positions.
- Angle body has 1/8" NPT(f) inlet permits addition of pipe extension when required.

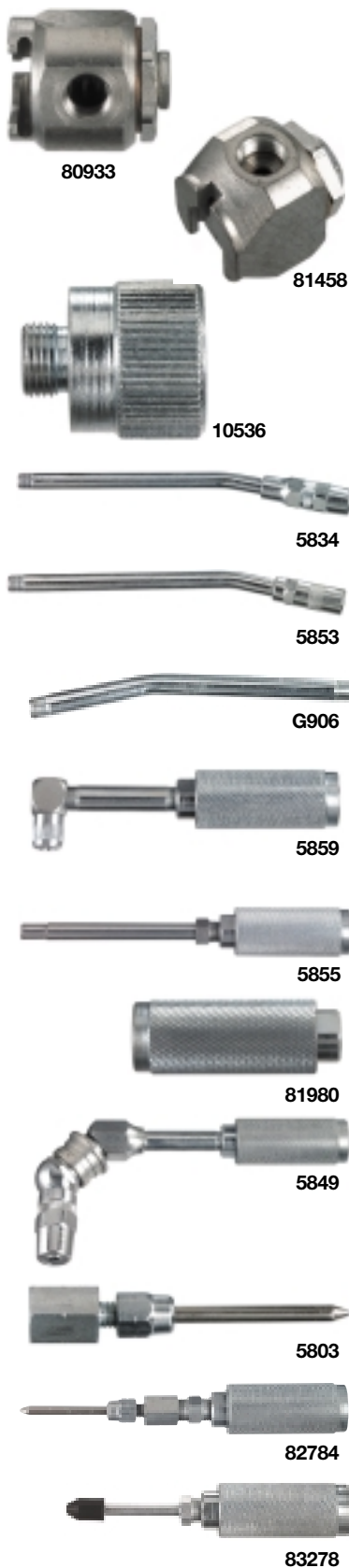
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**WARNING**

**MATERIAL USE:** Lincoln Industrial swivels are to be used only to transport grease, oil and other lubricants and are designed only for these non-abrasive and non-corrosive purposes. DO NOT use with abrasive and corrosive materials such as sound-deadening materials which may contain limestone and mica particles. Transport of such materials causes rapid premature wear to critical swivel components and can cause failure of swivel. Failure could expose the user to severe bodily injury, permanent disfigurement or death.

**INSTALLATION & SERVICE:** Tighten all fluid connections securely before using swivel. Never exceed 5000 psi maximum operating pressure. Never alter or modify any part of the swivel. Never attempt to repair or disassemble the swivel while the system is pressurized. Never stop or deflect leaks with hand or body.

**MEDICAL ATTENTION:** Get medical attention immediately if exposed to high pressure fluids. Tell the attending physician what was injected.



### **Button Head Couplers & Adapters**

#### **Models 80933**

4000 psi maximum operating pressure. For pull-on, push-on or hook-on service. Use with large 7/8" diameter button head fittings. 7/16"-27 (f) thread.

#### **Model 81458**

Same as 80933 except for 5/8" diameter button head fittings.

#### **Models 10460**

5000 psi maximum operating pressure. For adapting standard or large button head couplers to hose with 1/8" NPT connections. 1/8" NPT(f) x 7/16"-27 (m) thread. Use gasket 31138, not included.

#### **Model 10536**

4500 psi maximum operating pressure. For adapting standard or large button head couplers to hose with 3/8" NPT connections. 3/8" NPT(f) x 7/16"-27 (m) thread. Use gasket 31138, not included.

### **Coupler Extensions**

#### **Model 5834**

7500 psi maximum operating pressure. Includes 5845 coupler and 62028 6" extension tube. 1/8" NPT(m) connection.

#### **Model 5853**

6000 psi maximum operating pressure. Includes 5852 hydraulic coupler and 62028 6" extension tube. 1/8" NPT(m) connection.

### **Rigid Extensions**

#### **Model G906**

6" length. 1/8" NPT(m) at each end.

### **Extensions Adapters**

#### **Model 5859 Angle**

- 90° angle solves problem of contacting so-called "inaccessible" grease fittings.
- Design eliminates need to remove "deep dish" wheels for lubrication of the tie rod ends and ball joints.
- Use to service cars, truck, machines and farm equipment.

#### **Model 5855 Recessed**

Straight extension. Use to lubricate recessed fittings where obstructions will not permit use of hydraulic coupler. Includes extension nozzle and locking sleeve.

#### **Model 81980 Locking Sleeve**

For adapting any 1/8" NPT(m) extension nozzle to a hydraulic coupler.

#### **Model 5849 360 Degree**

7500 psi maximum operating pressure. Includes 5848 360° coupler for full swivel, 2" steel extension tube and locking sleeve.

### **Needle Nozzles**

#### **Model 5803**

Allows operator to contact flush type or hard-to-reach hydraulic type fittings.

#### **Model 5806**

Same as 5803 except 6" length.

#### **Model 82784**

Same as 5803 except with extension and locking sleeve.

#### **Model 83278**

Use to lubricate U-joints and spindles. Attaches to hydraulic coupler of control valve or grease gun. Includes rubber tip.

### **WARNING**

Never point needle nozzles, adapters or coupler at any part of the body or another person.



5812



G212



81726



81795



3029



3034

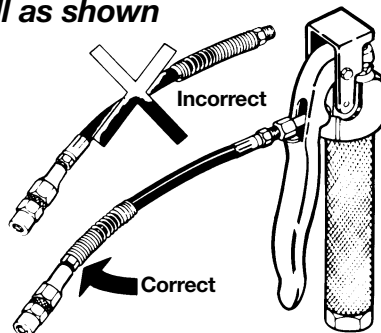


5858

### WARNING

Whip Hoses Models 3028, 3029, 3033, 3034, 5812, 5818, 5861, 81725, 81726, 81795

Install as shown



### Extensions for Manually or Air-Operated Grease Guns

- Maximum working pressure 4500 psi.
- Strategically placed coil spring provides non-slip, push-pull grip and prevents accidental “kinking” which could cause hose ruptures.

### Manually/Air Operated

Model	Length	Thread Size
5812	12"	1/8" NPT(m)
5818	18"	1/8" NPT(m)
5861	36"	1/8" NPT(m)

### Extensions for Manually Operated Grease Guns

- Maximum working pressure 3000 psi.

### Manually Operated

Model	Length	Thread Size
G212	12"	1/8" NPT(m)
G218	18"	1/8" NPT(m)

### Assemblies for Standard Hydraulic Fittings

- Maximum working pressure 4500 psi.

### Standard Hydraulic Fittings

Model	Whip Hose	Coupler	Thread Size
81725	5818/18"	5845	1/8" NPT(m)
81726	5812/12"	5845	1/8" NPT(m)
81795*	5812/12"	5845	1/8" NPT(m)

\* Includes 81980 locking sleeve.

\* Includes 1/8" pipe extension (4").

### Assemblies for Button Head Couplers with Swivel

- Maximum working pressure 4000 psi.
- Includes 81606 swivel.

### Button Head with Swivel

Model	Whip Hose	Coupler	Thread Size
3029	5812/12"	80933/large	1/8" NPT(m)
3034	5812/12"	81458/standard	1/8" NPT(m)

### Flexible & Rigid Extension Adapter

#### Model 5858

- Maximum working pressure 5000 psi.
- Allows operator to switch from flexible to rigid extension with one hand.
- Overall length 13".
- 1/8" NPT(m).

#### Model 82228

Consists of 8" x 3/16" MPT hose, 5852 coupler and 67292 1/8" NPT(m) nipple.

### Bulk Fittings—U.S. Threads

#### 1/8" Thread/Straight & Angle

Model	Description	Length
5000	Straight	2 <sup>1</sup> / <sub>32</sub> "
5003	Straight	1 <sup>1</sup> / <sub>4</sub> "
5200	45° angle	7/8"
5300	65° angle	29/32"
5400	45° angle	27/32"

#### 1/4" Thread/Straight & Angle

Model	Description	Length
5050	Straight 1/4" NPT	15/16"
5350	65° angle 1/4" NPT	15/32"

#### 1/4"-28 Thread/Straight & Angle

Model	Description	Length
5010	Straight—short thread	1/2"
5013	Straight—long thread	11/16"
5527	Straight—short thread	31/64"
5210	45° angle—short thread	7/8"
5410	90° angle—short thread	25/32"

### Bulk Fittings—Metric Threads

#### Metric Threads

Model	Description	Length
5175	Straight	6mm
5176	45°	6mm
5177	90°	6mm
5178	Straight	8mm
5179	45°	8mm
5180	90°	8mm
5181	Straight	10mm
5182	45°	10mm
5183	90°	10mm

### Drive Type Fittings

#### Drive Type Fittings

Model	Description	Length	Drive Diameter
5029	Straight	9/16"	1/4"
5033	Straight	9/16"	3/16"
5385	65° angle	13/16"	3/16"

### Button Head Fittings

- Precision-machined and case hardened for rugged wear.
- Smooth face prevents leakage and excessive wear.
- Long guide stem assures positive closing.

#### Button Head Fittings

Model	Description	Length
5701	1/8" NPT(m) thread	25/32"
5706	1/4" NPT(m) thread	53/64"

### Fitting Bushings & Angle Bodies

#### Bushings & Angle Bodies

Model	Description	Length
10461	Hex bushing	1/8" NPT(f) x 1/4" NPT(m)
10787	Face bushing	1/8" NPT(f) x 1/4" NPT(m)
20028	45° angle body	1/8" NPT(f) x 1/8" NPT(m)
20029	90° angle body	1/8" NPT(f) x 1/8" NPT(m)
20026	90° angle body	1/4"-28 (m) x 1/8" NPT(f)

### Easy-Out Tools

A combination tool used to remove worn or broken fittings and to retap holes for installation of new fittings. Tool has socket wrenches for removing both straight and angle fittings. May also be used to remove old pin type fittings.

#### Model G905

For tapping 1/8" NPT threads and removal of 7/16" hex. straight or angle fittings.

#### Model G904

For tapping 1/4"-28 threads and removal of both 3/8" and 5/16" hex. straight or angle fittings.

### Fitting Drive Tools

#### Model 11485

Use to install straight Drive Type Fittings only.

#### Model 11509

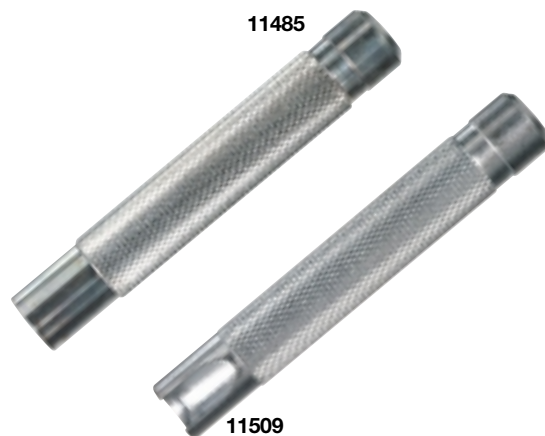
Use to install angle Drive Type Fittings only.

### Metric Thread Adapters

Convert any 1/4"-28 (m) thread grease fitting to (m) metric thread.

#### Metric Thread Adapters

Model	Thread
103307E	6mm x 1/4"-28 (f)
103308E	8mm x 1/4"-28 (f)
103309E	10mm x 1/4"-28 (f)





5468

### Packaged Fittings—U.S. Threads

All the most popular fittings and sizes

#### Model 5468 Mini

Ten assorted grease fittings in three popular sizes, blister packed on one card.

#### Assortment Contents

Quantity	Description
6	1/4"-28 straight
2	1/4"-28 45°
2	1/4"-28 90°



5470

#### Model 5470 Economy

24 assorted grease fittings in six popular sizes blister packed on one card.

#### Assortment Contents

Quantity	Description
6	1/8" NPT straight
6	1/4"-28 straight, short thread
3	1/8" NPT 45° angle
3	1/4"-28 45° angle, short thread
3	1/8" NPT 90° angle
3	1/4"-28 90° angle, short thread



5470



5469

#### Model 5469 Deluxe

100 assorted grease fittings in six popular sizes. Sturdy, easy to handle transparent dispenser box has labeled and illustrated compartments.

#### Assortment Contents

Quantity	Description
20	1/8" NPT straight
40	1/4"-28 straight, short thread
10	1/4"-28 45° angle, short thread
10	1/8" NPT 65° angle
10	1/8" NPT 90° angle
10	1/4"-28 90° angle, short thread



5191

5291

### 1/4"-28 Taper Thread Packs Short Thread Grease

Model	Description
5191	Card of (10) straight fittings
5291	Card of (10) 45° angle fittings
5491	Card of (10) 90° angle fittings

### 1/8" Pipe Thread Packs Grease Fittings

Model	Description
5190	Card of (10) straight fittings
5290	Card of (10) 45° angle fittings
5490	Card of (10) 90° angle fittings



5290



5490

### Packaged Fittings—Metric Threads

All the most popular fittings and sizes

#### Model 5184 Mini

An assortment of three of the most used 6mm sizes and configurations blister packed on one card.

#### Assortment Contents

Quantity	Description
6	6mm straight
2	6mm 45°
2	6mm 90°

#### Model 5185 Economy

30 grease fittings in three of the most popular 6mm metric sizes blister packed on one convenient card.

#### Assortment Contents

Quantity	Description
16	6mm straight
6	6mm 45°
8	6mm 90°

#### Model 5186 Deluxe

100 assorted grease fittings in all the most popular metric sizes. Sturdy, easy to handle dispenser box has labeled and illustrated compartments.

#### Assortment Contents

Quantity	Description
40	6mm straight
20	6mm 45°
10	6mm 90°
5	8mm straight
5	8mm 45°
5	8mm 90°
5	10mm straight
5	10mm 45°
5	10mm 90°



5186



5184

- Flushes and packs in one operation for fast dependable service on all types of bearings.
- Bearing is packed by unit—eliminating inefficient washing and messy hand packing.

### Model 816

Services bearings with  $\frac{5}{8}$ " to  $1\frac{1}{2}$ " I.D. This versatile, compact unit mounts on work-bench or wall. Bearing is flushed and packed by contacting fitting in packer head with power gun control valve or by high-pressure hand gun. Overall dimension:  $4\frac{1}{2}$ " high, 4" wide.

### Model 102891

Bearing packer head only; for bench mounting or attachment to any Lincoln Industrial air operated economy, Series 20 or Series 40 grease pump. Services bearings  $1\frac{3}{4}$ " to  $9\frac{1}{2}$ " O.D. with minimum I.D. of  $\frac{9}{16}$ ". Accepts grease through fitting from high pressure control valve or hand gun. For bench mount use  $\frac{1}{2}$ " pipe flange.

### Model 844

Services bearings to  $9\frac{1}{2}$ " O.D. with minimum  $\frac{9}{16}$ " I.D. Includes adapters to service bearings from 1" to  $1\frac{3}{4}$ " O.D. For use with 120 lb. original refinery container. Includes 84780 universal follower. *Specifications:* Maximum pressure 800 psi. 1 ounce per stroke. *Finish:* Drum cover in red enamel, pump head and handle in black. *Dimensions:* Overall height  $41\frac{7}{8}$ " with standard 120 lb. drum.

### Model 102697 Super Speed Packer

Services bearings with  $\frac{5}{8}$ " to  $1\frac{1}{2}$ " I.D. with up to  $3\frac{1}{4}$ " O.D. on passenger cars, light trucks and farm vehicles. Clamps securely on 25 to 50 pound original refinery container. Primes easily and pumps efficiently when using heavy greases at low temperatures. Includes 91393 follower.

*Specifications:* 21" overall height,  $2\frac{1}{4}$ " wide.  
*Finish:* Drum cover in red enamel.

### Model 102929

Same as 102697 except has larger packer head to service bearing to  $9\frac{1}{2}$ " O.D. with minimum  $\frac{9}{16}$ " I.D. Includes adapter to permit servicing smaller bearings of 1" to  $1\frac{3}{4}$ " O.D. Includes 91393 follower plate.





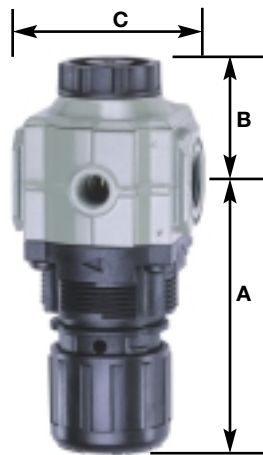


### Modular Air Line Filters

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction		Element	
			Body	Bowl	Material	Particle Size
602104	250	0 to 150 -18 to 65	Zinc	Zinc*	Sintered Polypropylene	40 μ
602106						
602108	17	0 to 175 -18 to 79	Aluminum	Aluminum*		
602109						

\* Transparent nylon liquid level indicator lens.

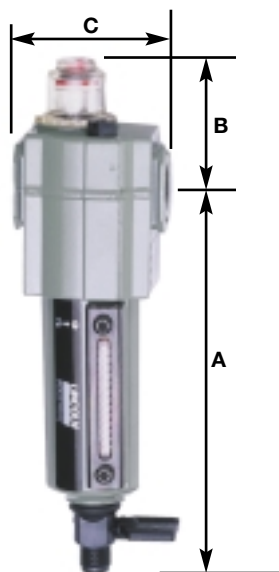
Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
602104	Manual	¼	5.27	0.75	1.98	1.91	1.1
602106		¾	134	19	50	48	0.5
602108		½	6.95 / 177	1.00	3.15	2.89	1.8
602109	Automatic	½	6.35 / 161	25	80	74	0.8



### Modular Air Line Regulators

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction				Secondary (Gauge) Connections (in.)
			Body	Bonnet	Valve Seals	Bottom Plug	
602004	300	0 to 150 -18 to 65	Zinc	Acetal	Brass Nitrile	Acetal	¼ NPT (F)
602005							
602006							
602007	20	0 to 175 -18 to 79	Aluminum	Aluminum			¼ NPT (F)
602008							
602009							

Model No.	Outlet Press. Adj. Range psig / bar	Connections NPT-Female (in.)	Dimensions - in. / mm				Adjuster	Weight lbs. / kg
			A	B	C	D		
602004	5 to 150	¼	4.0 / 102	1.31	2.0	3.2	T-Handle	0.8
602005			2.88 / 73					
602006	0.3 to 4	¾	4.0 / 102					
602007			2.88 / 73	Knob				
602008	10 to 250 0.7 to 16	½	5.95 151	1.69	3.15	5.1	T-Handle	1.77
602009	5 to 150 0.3 to 4		5.0 127				43	

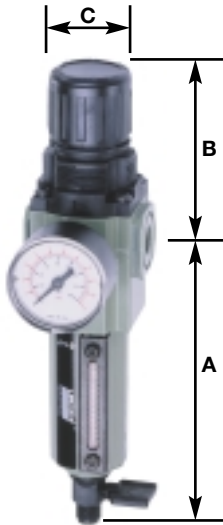


### Modular Air Line Lubricators

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction			Recommended Lubricants
			Body	Bowl	Sight feed Dome	
602204	250	0 to 150 -18 to 65	Zinc	Zinc*	Transp Nylon	Misting type oil 50 to 200 SSU (ISO Grade 7 to 46) at 100°F (38°C)
602206						
602208	17.2	0 to 175 -18 to 79	Aluminum	Aluminum*		

\* Transparent nylon liquid level indicator lens.

Model No.	Connections NPT-Female	Bowl Capacity ozs. / ml	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	D	
602204	¼	2.0	5.27	1.63	1.98	1.91	1.1
602206	¾	58	134	41	50	48	0.5
602208	½	7.0	6.95	2.12	3.15	2.89	1.6
		207	177	53	80	74	0.7

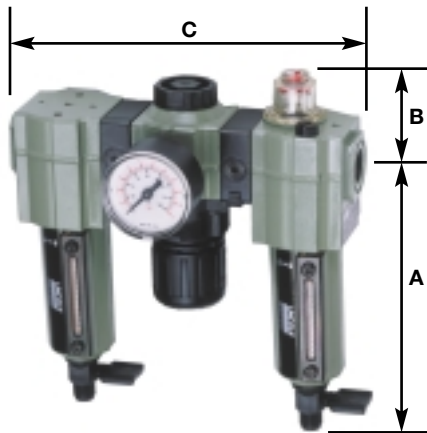


### Integrated/Modular Filter/Regulator with Gauge

Can be used with other AirCare Modular Components.

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Outlet Pressure Adj. Range psig / bar
602134	250	0 to 150	40 $\mu$	5 to 150 0.3 to 10
602136		-18 to 65		
602138	0.3 to 10			
602142	-18 to 79			

Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	D	
602134	Manual	1/4	5.27	2.89	1.98	3.29	1.2
602136		3/8	134	73	50	83	0.5
602138		1/2	6.95	4.98	3.15	5.10	2.6
602142		3/4	177	127	80	130	1.2



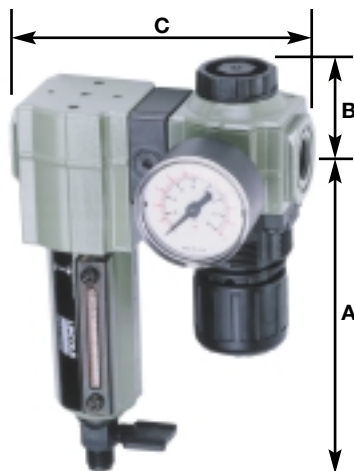
### Modular Air Line Combination Units

Filter-Regulator with Gauge-Lubricator

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Outlet Pressure Adj. Range psig / bar	Lubricator Bowl Capacity ozs. / ml
85387-4	250	0 to 150	40 $\mu$	5 to 150 0.3 to 10	2.0
85387-6		-18 to 65			58
85387-8	0 to 175 / -18 to 79	7.0 / 207			

\* Transparent nylon liquid level indicator lens.

Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm			Weight lbs. / kg
			A	B	C	
85387-4	Manual	1/4	5.27	1.63	6.46	3.3
85387-6		3/8	134	41	164	1.5
85387-8		1/2	6.95 / 177	2.12 / 53	10.52 / 267	6.2 / 2.8



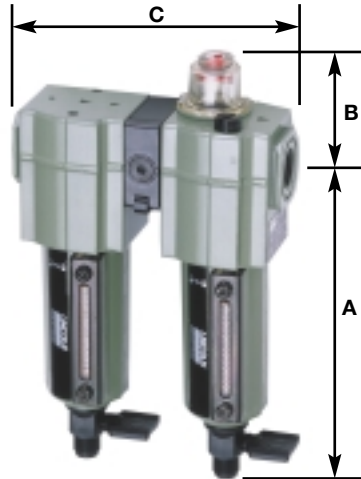
### Modular Air Line Combination Units

Filter-Regulator with Gauge

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Outlet Pressure Adj. Range psig / bar
85388-4	250	0 to 150	40 $\mu$	5 to 150 0.3 to 10
85388-6		-18 to 65		
85388-8	0 to 175 / -18 to 79			

\* Transparent nylon liquid level indicator lens.

Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm			Weight lbs. / kg
			A	B	C	
85388-4	Manual	1/4	5.27	1.31	4.22	2.1
85388-6		3/8	134	33	108	1.0
85388-8		1/2	6.95 / 177	1.69 / 43	6.84 / 174	4.2 / 2.0



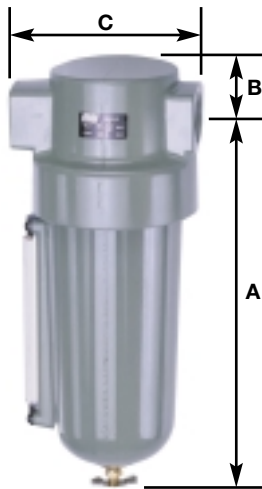
### Modular Air Line Combination Units

Filter-Lubricator

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Lubricator Bowl Capacity ozs. / ml
85389-4	250	0 to 150	40μ	2.0
85389-6		-18 to 65		58
85389-8	17	0 to 175 / -18 to 79		7.0 / 207

\* Transparent nylon liquid level indicator lens.

Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm			Weight lbs. / kg
			A	B	C	
85389-4	Manual	¼	5.27	1.63	4.22	2.1
85389-6		⅜	134	41	50	1.0
85389-8		½	6.95 / 177	2.12 / 53	6.84 / 174	3.8 / 1.7

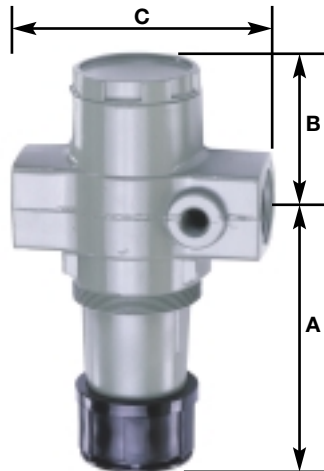


### High Capacity Air Line Filters

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction		Element	
			Body	Bowl	Material	Particle Size
602112	250 17.2	0 to 175 -18 to 79	Aluminum	Aluminum* w/ Pyrex sight glass	Sintered bronze	50μ
602113						
602116						
602117						

\* Pyrex liquid level indicator.

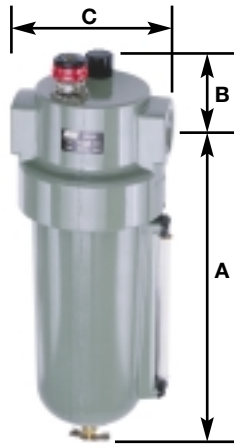
Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
602112	Manual	¾	10.44 / 265	1.25	4.75	5.52	4.1
602113	Automatic		10.06 / 256				
602116	Manual	1	10.44 / 265	32	121	140	1.9
602117	Automatic		10.06 / 256				



### High Capacity Air Line Regulators

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction				Secondary (Gauge) Connections (in.)
			Body	Bonnet	Valve Seals	Bottom Plug	
602012	300 20	0 to 175 -18 to 79	Aluminum	Aluminum	Aluminum Nitrile	Aluminum	¼ NPT (F)
602013							
602016							
602017							

Model No.	Outlet Press. Adj. Range psig / bar	Connections NPT-Female in.	Dimensions - in. / mm				Adjuster	Weight lbs. / kg
			A	B	C	D		
602012	10 to 250 / 0.7 to 16	¾	5.69 / 145	2.38	4.25	2.38	T-Handle	2.5
602013	5 to 150 / 0.3 to 10		4.71 / 120				T-Handle	
602016	10 to 250 / 0.7 to 16	1	5.69 / 145	60	108	60	Knob	
602017	5 to 150 / 0.3 to 10		4.71 / 120				Knob	

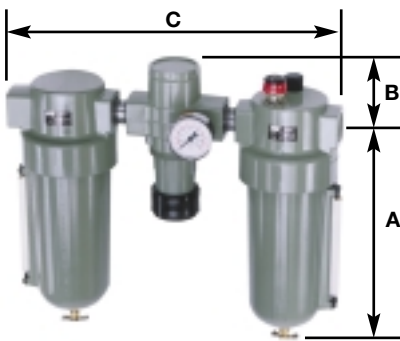


### High Capacity Air Line Lubricators

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction			Recommended Lubricants
			Body	Bowl	Sight feed Dome	
602212	250	0 to 175	Aluminum	Aluminum*	Transp. Nylon	Misting type oil 50 to 200 SSU (ISO Grade 7 to 46) at 100°F (38°C)
602216	17.2	-18 to 79				

\* Pyrex liquid level indicator.

Model No.	Connections NPT-Female	Bowl Capacity ozs. / ml	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
602212	3/4	32	10.24	2.22	4.50	5.52	3.6
602216	1	946	260	56	114	140	1.6



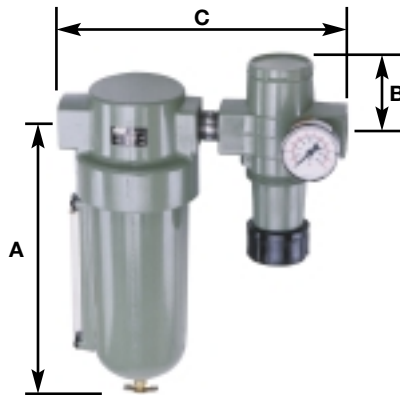
### High Capacity Air Line Combination Units

High Capacity Filter-Regulator with Gauge-Lubricator

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Outlet Pressure Adj. Range psig / bar	Lubricator Bowl Capacity ozs. / ml
85387-12	250	0 to 175	50μ	5 to 125	32
85387-16	17	-18 to 79		0.3 to 8.6	946

\* Pyrex liquid level indicator.

Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm			Weight lbs. / kg
			A	B	C	
85387-12	Manual	3/4	10.44	2.22	14.75	10.6
85387-16		1	265	56	375	4.8



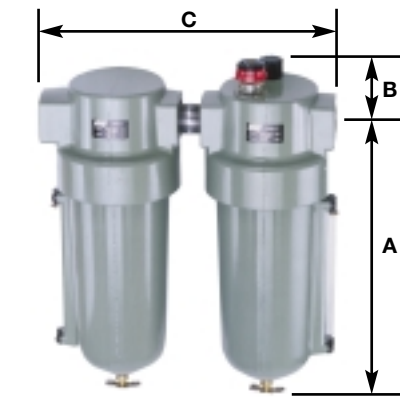
### High Capacity Air Line Combination Units

Filter-Regulator with Gauge

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Outlet Pressure Adj. Range psig / bar
85388-12	250	0 to 175	50μ	5 to 125
85388-16	17	-18 to 79		0.3 to 8.6

\* Pyrex liquid level indicator.

Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
85388-12	Manual	3/4	10.44	2.38	10	5.52	6.9
85388-16		1	265	60	254	140	3.1



### High Capacity Air Line Combination Units

Filter-Lubricator

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Lubricator Bowl Capacity ozs. / ml
85389-12	250	0 to 175	50μ	32
85389-16	17	-18 to 79		946

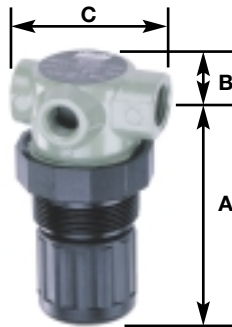
\* Pyrex liquid level indicator.

Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
85389-12	Manual	3/4	10.44	2.22	10.25	5.52	7.8
85389-16		1	265	56	260	140	3.5



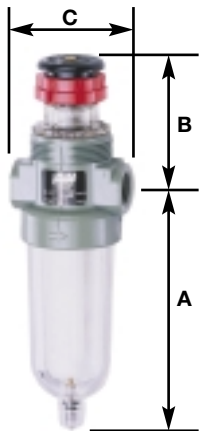
### Miniature Air Line Components—Air Line Filter

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction		Element		
			Body	Bowl	Material	Particle Size	
602103	150 10.3	0 to 125 -18 to 52	Zinc	Polycarbonate	Porous Polypropylene	50µ	
Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
602103	Manual	¼	3.25 / 83	0.38 / 10	1.63 / 42	1.45 / 37	0.3 / 0.12



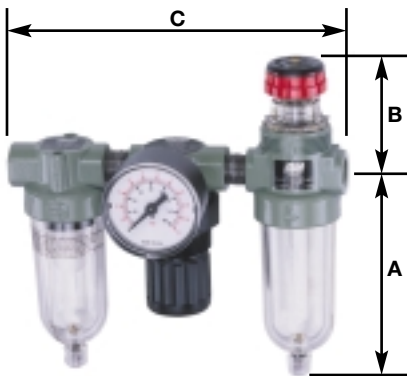
### Miniature Air Line Components—Air Line Regulator

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction				Secondary (Gauge) Connections-in.	
			Body	Bonnet	Valve Seals	Bottom Plug		
602003	300 / 20	0 to 150 -18 to 65	Zinc	Acetal	Brass/ Nitrile	Acetal	½ NPT (F)	
Model No.	Outlet Press. Adj. Range psig / bar	Connections NPT-Female in.	Dimensions - in. / mm				Adjuster	Weight lbs. / kg
			A	B	C	D		
602003	5 to 100 0.3 to 6.9	¼	2.52 64	0.39 10	1.63 41	1.45 37	Knob	0.3 0.13



### Miniature Air Line Components—Air Line Lubricator

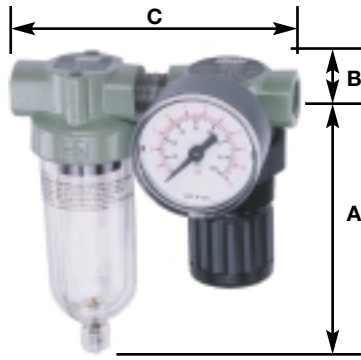
Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Material of Construction			Recommended Lubricants	
			Body	Bowl	Sight feed Dome		
602203	150 10.3	0 to 125 -18 to 52	Aluminum	Poly-carbonate	Transp. Nylon	Misting type oil 50 to 200 SSU (ISO Grade 7 to 46) at 100°F / 38°C	
Model No.	Connections NPT-Female in.	Bowl Capacity ozs. / ml	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
602203	¼	1.0 / 30	3.25 / 83	1.98 / 50	1.63 / 41	1.45 / 37	0.3 / 0.13



### Miniature Air Line Combination Units

Filter-Regulator with Gauge-Lubricator

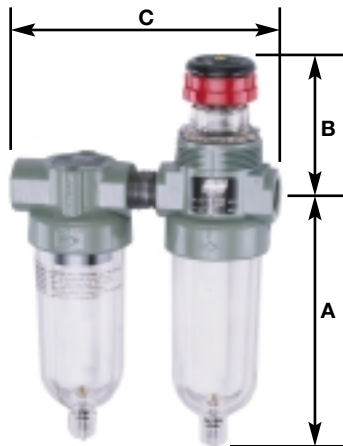
Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Outlet Pressure Adj. Range psig / bar	Lubricator Bowl Capacity ozs. / ml		
85672	150 / 10.3	0 to 150 / -18 to 65	50µ	5 to 100 / 0.3 to 6.9	1.0 / 30		
Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
85672	Manual	¼	3.25 / 83	1.98 / 50	5.61 / 143	1.45 / 37	1.3 / 0.6



### Miniature Air Line Combination Units

Filter-Regulator with Gauge

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Outlet Pressure Adj. Range psig / bar			
85673	150 / 10.3	0 to 125 / -18 to 52	5µ	5 to 100 / 0.3 to 6.9			
Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
85673	Manual	¼	3.25 / 83	0.38 / 10	3.66 / 93	1.45 / 37	0.9 / 0.4



### Miniature Air Line Combination Units

Filter-Lubricator

Model No.	Max. Air Supply psig / bar	Operating Temperature Range - F / C	Element Particle Size	Lubricator Bowl Capacity ozs. / ml			
85674	150 / 10.3	0 to 125 / -18 to 52	5µ	1.0 / 30			
Model No.	Drain Type	Port Size PTF	Dimensions - in. / mm				Weight lbs. / kg
			A	B	C	Dia.	
85674	Manual	¼	3.25 / 83	1.98 / 50	3.66 / 93	1.45 / 37	0.9 / 0.4

### Modular Air Line Equipment Accessories— Lockout Valve

Install in-line or modular with other AirCare products to help conform to OSHA Lockout Regulations. In the closed position, valves block inlet air flow and exhaust downstream air.



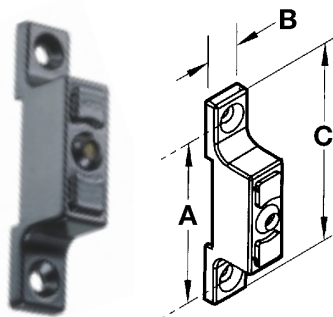
Model No.	For Modular use with	For In-Line use with	Max. Air Supply psig / bar	Operating Temperature Range-F / C
247770	¼" Modular	¼"	250 17	0 to 150 -20 to 65
247771	⅜" Modular	⅜"		
247772	½" Modular	½"		
247773	¾" Modular	¾"		

### Modular Air Line Equipment Accessories— Quick Clamp

Use with Modular Air Line Components to provide modular installation capability. Flanges on the products slide into "V" grooves in the quick clamp. Two face-sealing o-rings in the quick clamp provide an air tight connection when the clamp is closed.



Model No.	For Modular Sizes	Dimensions in. / mm
247782	¼" and ⅜"	1.50 / 38
247783	½" and ¾"	2.00 / 51



**Modular Air Line Equipment Accessories—  
 Quick Clamp Wall Mounting Bracket**

Use with quick clamp to provide secure mounting to a wall, machine panel, or other flat surface.

Model No.	For Modular Sizes	Dimensions in. / mm		
		A	B	C
247792	¼" and ⅜"	2.32 / 59	0.55 / 14	2.91 / 74
247793	½" and ¾"	3.25 / 83	0.95 / 24	4.0 / 102



**Modular Air Line Equipment Accessories—  
 Porting Block**

Installs between the quick clamps to provide three additional ¼" outlets for auxiliary air.

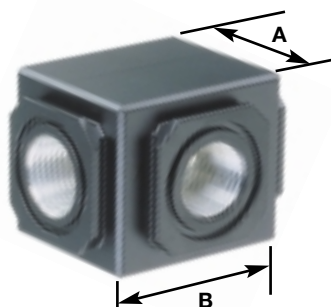
Model No.	For Modular Sizes
247784	¼" and ⅜"
247785	½" and ¾"



**Modular Air Line Equipment Accessories—  
 Quick Mount Pipe Adaptors**

Use with quick clamp to provide threaded connections to the system piping.

Model No.	For Modular use with	Port Size - in.
247786	¼" and ⅜" Modular	¼
247787		⅜
247788	½" and ¾" Modular	¼
247789		⅜
247790		½
247791		¾



**Modular Air Line Equipment Accessories—  
 Manifold Block**

Installs with quick clamps. Ports are threaded pipe to provide manifolding capability for up to three components.

Model No.	Port Size-in.	For Modular Sizes	Dimensions-in. / mm	
			A	B
247794	⅜	¼" and ⅜"	1.76 / 44.6	1.98 / 50.3
247795	¾	½" and ¾"	2.27 / 57.8	3.15 / 80



**Modular Air Line Equipment Accessories—  
 Pressure Switch**

Monitors air pressure and provides an electrical signal when the pressure drops below or exceeds the preset pressure. Installs between two quick clamps. Also provides three additional ¼" auxiliary outlets.

Model No.	For Modular Sizes	Maximum Inlet Pressure psig / bar	Operating Temperature Range-F / C	Adjustment Range
247796	¼" and ⅜"	250	0 to 150	30 to 150
247797	½" and ¾"	17	-20 to 65	2 to 10



**Modular Air Line Equipment Accessories—  
 Panel Nut**

Use to panel mount Regulators and Filter/Regulators.

Model No.	For Modular Sizes
247780	¼" and ⅜"
247781	½" and ¾"



**Modular Air Line Equipment Accessories—  
 Tamper Resistant Cover & Seal Wire**

Install on the adjusting knob of regulators to help prevent unauthorized adjustment of the pressure setting.

Model No.	For Modular Sizes
247777	¼" and ⅜"
247778	½" and ¾"



**Modular Air Line Equipment Accessories—  
 Wall Mount Bracket**

Use to secure Modular Air Line components to a wall, machine panel, or other flat surface.

Model No.	For Modular Sizes
247775	¼" and ⅜"
247776	½" and ¾"



**Air Line Equipment Accessories—  
 Wall Mount Bracket-High Capacity**

Use to secure High Capacity Air Line components to a wall, machine panel, or other flat surface.

Model No.	Component
247798	All Regulators
247799	All Filters and Lubricators



**Air Line Equipment Accessories—  
 Mounting Bracket and Nut-Miniature**

Use to secure Miniature Air Line components to a wall, machine panel, or other flat surface.

Model No.	Component
247774	All Regulators and Lubricators



**Air Line Equipment Accessories—  
 Pressure Gauges**

Available in ⅛" NPT and ¼" NPT back connection.

Model No.	For Regulator Sizes	Gauge Dia.	Connection	Pressure Range-psi / bar
247843	¼" and ⅜"	1½"	⅛" NPT	0 to 160 / 0 to 11
247844	½", ¾" and 1"	2"	¼" NPT	0 to 300 / 0 to 20
247863				





939



5983

### Air Operated Sprayers

#### Model 939

- Adjustable suction control varies fluid volume as needed.
- Strainer assembly in suction hose keeps out contaminants while assuring uninterrupted flow of fluid.
- 6' vinyl suction hose permits use with most any container from gallon jug to 400 lb. drum.
- Convenient addition of air coupler nipple permits quick coupling to any air hose.
- Rust and corrosion resistant—pistol grip handle includes brass stem and synthetic packing.
- Use with solvents or detergent solutions which are compatible with vinyl, aluminum and carbon steel.
- Standard air inlet 1/4" NPT(f).
- Powerful spray. Maximum operating pressure 200 psi.

#### Model 5983

- Use with solvents or detergent solutions.
- 1/4" NPT(f) inlet.
- Maximum operating pressure 150 psi.



840



960

### Blow Guns

#### Model 840

- Handy thumb-button design provides ease of operation.
- Brass stem and synthetic packaging for service life.
- Addition of air nipple permits quick connect or disconnect.
- Inlet 1/4" NPT(f); outlet 7/64" diameter.

#### Model 950

- Same as 840, except with air restrictor.
- Nozzle outlet pressure 30 psi maximum complies with Federal Safety Regulation 50-204.8 and OSHA 1910 242.B.

#### Model 960

- Light-weight cast aluminum pistol grip.
- Inlet 1/4" NPT(f); outlet 7/64" diameter; height 5 3/4".
- Nozzle outlet pressure 30 psi maximum complies with Federal Safety Regulation 50-204.8 and OSHA 1910 242.B.

#### Model 940

- Same as 960 less air restrictor.
- When used for large cleaning requirement or chip cleaning, regulated air pressure must not exceed Federal recommended maximum.



5980

#### Model 5980

- Thumb control provides comfort and ease of operation.
- Inlet 1/4" NPT(f); outlet 1/8" NPT(f) outlet.



66951

#### Model 66951 Air Chuck

For inflating tire. 1/4" NPT(f) inlet.

# General Lubrication Products

## Air Couplers & Nipples



815 1/4" (m)



11659 1/4" (m) 11660 1/8" (m)



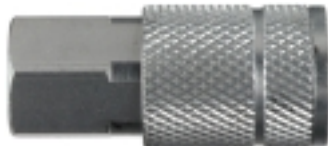
11661 1/4" (f)



13329 1/4" (f)



13331 1/4" (f)



5874 3/8" (f)



5875 3/8" (m)



5876 3/8" (f)



815 Cut-away

Lincoln Industrial air couplers provide split-second coupling of grease guns, impact wrenches, paint sprayers and other air-operated equipment. Air flow products from Lincoln Industrial have the features and durability you demand for your business.

- Positive action locking mechanism so coupler cannot be detached accidentally.
- Extra large air passage ensures greater air flow.
- Automatic air check valve shuts off air instantly when uncoupled, providing leak-proof seal.
- Corrosion-resistant steel plug and stainless steel check and check spring for long service life.
- Free swiveling action prevents curling or kinking of air hose.

### Lincoln Industrial Style Couplers & Nipples for 1/4" ID Models 815, 11659, 11660, 11661

250 psi maximum operating pressure. Extra-long stem of nipple and coupler body assures long service life, easy connections under severe operating conditions. Maximum air flow 52 scfm at 100 psi. Length 2 1/2" (65mm); diameter 1 7/16" (37mm); weight 4 1/2" ounces (126g).

NOTE: 11659 is available non-packaged for bulk orders as 238394.

### ARO Style Couplers & Nipples for 1/4" ID

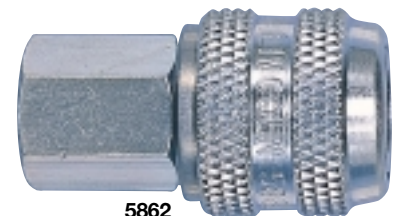
#### Models 5862, 13329, 13331

Fits ARO style nipples for 1/4" ID hose. 300 psi maximum operating pressure. 1/4" (f) NPT inlet. Maximum airflow 38 scfm at 100 psi. Length 2"; diameter 1 1/8"; weight 4 ounces.

### Universal Coupler

#### Model 5862

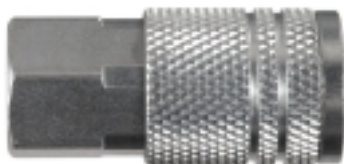
Fits all Automotive/Tru-Flate, ARO, and Industrial/Milton style nipples for 1/4" ID hose 300 psi maximum operating pressure. 1/4" (f) NPT inlet. Maximum airflow 38 scfm at 100 psi. Length 2"; diameter 1 1/8"; weight 4 ounces.



5862

### Automotive/Tru-Flate Style Couplers & Nipples for 3/8" ID Models 5874, 5875, 5876

300 psi maximum operating pressure. Maximum air flow 100 scfm at 100 psi. Length 2 3/8"; diameter 1"; weight 4.8 ounces.



632004 1/4" (f)

### **Industrial/Milton Style Couplers & Nipples for 1/4" ID (63 Series)**

#### **Models 632004, 630104, 630204**

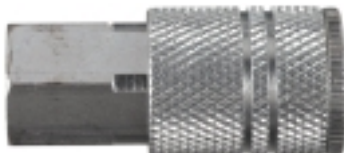
Maximum operating pressure 250 psi (17 bar). Maximum air flow 45 scfm at 100 psi. Length 1<sup>3</sup>/<sub>4</sub>" (44mm); diameter 1<sup>1</sup>/<sub>8</sub>" (29mm); weight 3 ounces (84g).



630104 1/4" (m)



630204 1/4" (f)



642006 3/8" (f)

### **Industrial Style Couplers & Nipples for 3/8" ID (64 Series)**

#### **Models 642006, 640104, 640106, 640204, 640206**

Maximum operating pressure 250 psi. Maximum air flow 108 scfm at 100 psi. Length 2<sup>1</sup>/<sub>16</sub>" (52mm); diameter 1<sup>5</sup>/<sub>16</sub>" (49mm); weight 6 ounces (168g).



640104 1/4" (m)



640204 1/4" (f)



652008 1/2" (f)

### **Industrial Style Couplers & Nipples for 1/2" ID (65 Series)**

#### **Models 652008, 652012, 650106, 650108, 650112, 650206, 650208**

Maximum operating pressure 200 psi (14 bar). Maximum air flow 176 scfm at 100 psi. Length 2<sup>3</sup>/<sub>4</sub>" (70mm); diameter 1<sup>1</sup>/<sub>2</sub>" (38mm); weight 9 ounces (252g).



650106 3/8" (m)



650206 3/8" (f)

# General Lubrication Products

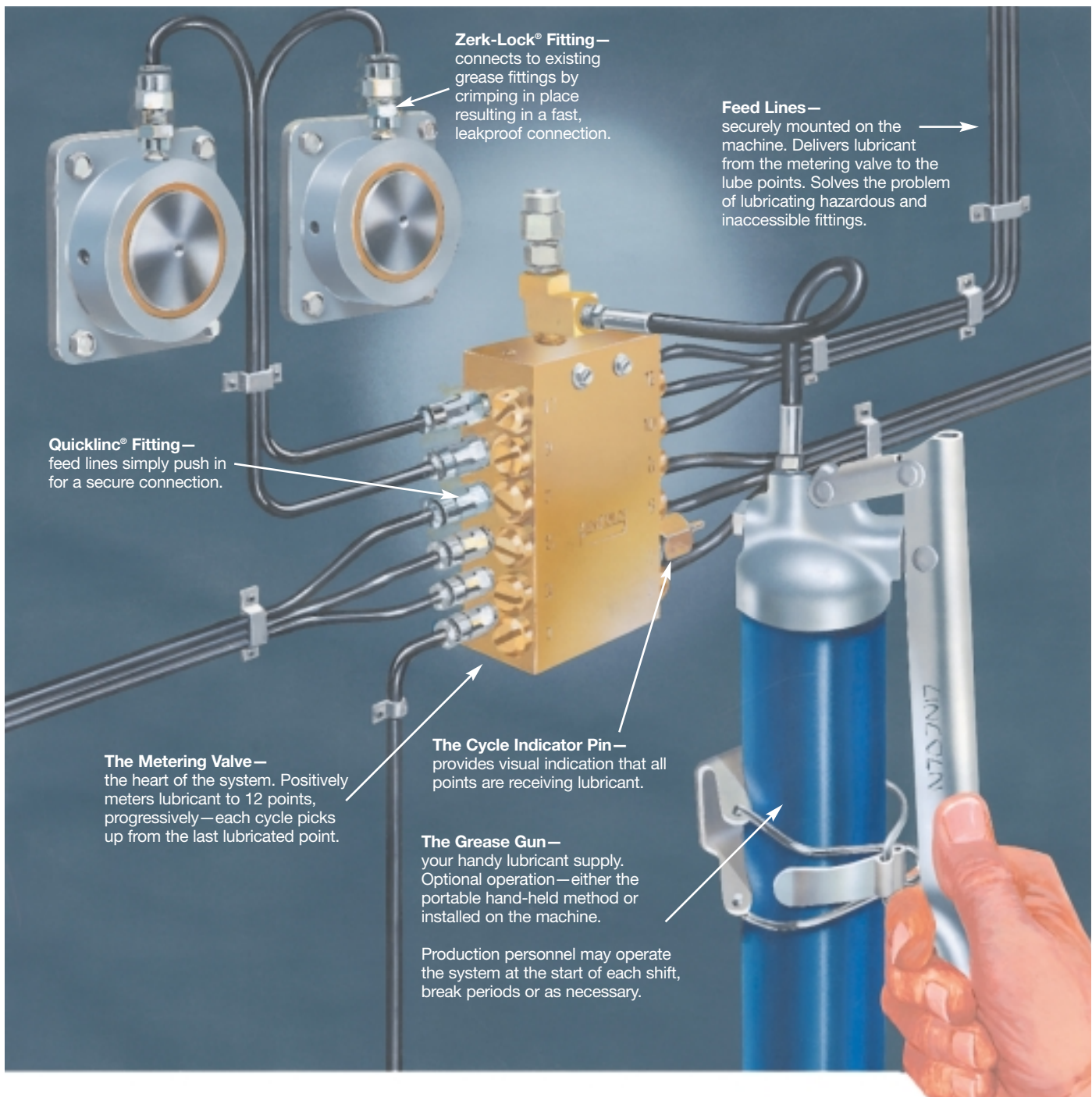
## Centralized Lubrication Kits

### **Lower Operating Costs and Increase Productivity with Centralized Lubrication Kits.**

- Kits can be installed in as little as one hour.
- Cut labor costs by 90%—lubricate up to 12 points through a single grease fitting.
- Lower lubricant costs—precise amounts of lubricant are metered to each point.
- Reduce lost production time—lubricate while machine is running.

### **Single Point Kits Ensure Efficient Maintenance with Effective Lubrication.**

- Eliminate lubrication related bearing failure.
- Access hidden and hard to reach fittings.
- Machine guard removal not required.
- Production shut down not required.





Quicklub Single Point Lubrication



Centrobloc Lubrication

### Quicklub® Single Point Lubrication System Outperforms the Centrobloc Concept.

For many years, the Centrobloc concept used grease fittings mounted to a central manifold to service lubrication points.

The Quicklub Single Point Lubrication System, with its advanced engineering design, has replaced the Centrobloc by using a divider valve to monitor and

service all lubrication points from a single grease fitting.

Quicklub Systems eliminate over or under lubrication by delivering precise amounts of lubricant, in a monitored system, where you can visually check the metering valve's indicator pin.

### The Heart of the System, a Quicklub® Divider Valve, Meters Grease Through Feed Lines to the Lubrication Points.

- Progressive operation meters consistent amounts to all points.
- Cycle indicator pin verifies each lube cycle.
- Operates with oil or grease up to NLGI #2.



87412

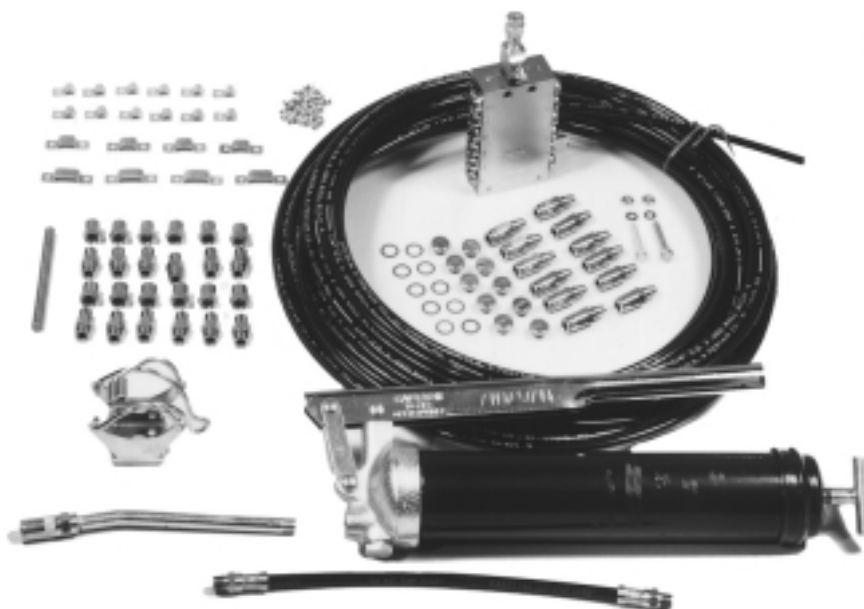
### Quicklub Centralized Lubrication Kits

Single Point Kits (Model 87412 is shown) will lubricate up to 12 points and contains all items required to install a system on your machinery, including installation/service manual. The selection chart describes the models available to meet your specific needs.

Selection Chart

Model	Description	Tubing
87311	Kit with single fitting for use with portable grease gun.	Non-filled
87312		Pre-filled with grease
87411	Complete kit with grease gun for permanent mounting.	Non-filled
87412		Pre-filled with grease

### Model 87412 Quicklub Centralized Lubrication Kit



Kit includes the following components:

1. Grease Gun—Heavy duty, lever type
2. Holster Clamp—Mounts grease gun to machine
3. Hose Extension—10" long, high pressure
4. Metering Valve—12 outlets with cycle indicator pin, pressure relief and a grease fitting
5. Mounting Bolts—Use as self tapping screw or as a nut and bolt
6. Closure Plugs—For lubricating 2 to 12 lube points
7. Feed Line Tubing—100 feet 1/4" O.D. nylon. Non-filled or pre-filled with NLGI #2 lithium base grease (see selection chart)
8. Tube Clamps/Screws—For mounting line securely to machine
9. Quickline® Fittings—Push-to-connect feed lines between metering valve and lube points
10. Zerk-Lock® Fittings—Crimp to existing fittings

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### WARNING

Equipment contained in this catalog can generate very high fluid pressure. Before each use, make sure safety devices are in place and operating properly. Do not alter or modify any part of the equipment as this may cause fire, explosion, property damage, or result in serious bodily injury, including injecting fluid through the skin or splashing in the eyes. To reduce the risk of serious bodily injury or property damage, never exceed the maximum air or fluid working pressure of the *lowest rated system component*. Always read and follow the manual included with the equipment for more detailed information.

**FAILURE TO HEED THESE WARNINGS MAY RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE.**

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### WARNING

#### **Pumps with ratios 1:1 to 5:1**

2424, 2434, 2435, 2435LN, 2437, 485, 486, 594, 595, 596, 597, 1931, 1936, 1940, 282133, 282396, 282398, 282686, 2532, 2535, 2535LN, 2537, 282990, 284168, 284230, 284231, 284288, 284295, 285133, 285168, 285230, 285231, 285295, 285686, 285990, 84829, 84933, 84934

These pumps can develop up to 1000 psi working pressure 200 psi maximum incoming air pressure. Be sure that all system equipment and accessories are rated to withstand the maximum working pressure of this pump. DO NOT exceed the maximum working pressure of the lowest rated component in the system.

---

### WARNING

#### **Pumps with ratios 6:1 to 49:1**

930, 931, 934, 935, 936, 1901, 1902, 1903, 1905, 1906, 1909, 1914, 1932, 1933, 1934, 1937, 1938, 1939, 1951, 1952, 1955, 1996

These pumps can develop 7840 psi working pressure at 160 psi maximum incoming air pressure. Be sure that all system equipment and accessories are rated to withstand the maximum working pressure of this pump. DO NOT exceed the maximum working pressure of the lowest rated component in the system.

---

### WARNING

#### **Pumps with ratios 50:1 to 75:1**

918, 923, 926, 1418, 1426, 1904, 1910, 1911, 1935, 1941, 82050, 82054, 82716, 82991, 83122, 84683, 84684, 84667, 84668

These pumps are rated at 100 psi maximum incoming air pressure. Be sure that all system equipment and accessories are rated to withstand the maximum working pressure of this pump. DO NOT exceed the maximum working pressure of the lowest rated component in the system.

IMPORTANT: Accessory item “whip” hoses for dispensing valve are fluid pressure rated 4500 psi. DO NOT exceed 90 psi air pressure to pump when using “whip” hoses.

**DO NOT USE ANY WHIP HOSE WITH ANY PUMP RATED OVER 50:1 RATIO.**

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### WARNING

Models 1272, 1273D, 1276, 1292, 1297

Be sure that all accessories are rated to withstand the maximum working pressure of the pump. DO NOT exceed the maximum working pressure of the lowest rated component in the system.

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### WARNING

Swivel Models 80353, 80924, 81386, 81387, 81388, 81606, 81703, 81723, 81728, 81729, 81974, 82071, 82072, 82073, 82080, 82087, 82249, 82251, 82252, 82399, 82677, 83594, 82822, 83938, 90464

MATERIAL USE: Lincoln swivels are to be used only to transport grease, oil and other lubricants and are designed only for these non-abrasive and non-corrosive purposes. Do not use with abrasive and corrosive materials such as sound-deadening materials which may contain limestone and mica particles. Transport of such materials causes rapid premature wear to critical swivel components and can cause failure of swivel. Failure could expose the user to severe bodily injury, permanent disfigurement or death.

INSTALLATION & SERVICE: Tighten all fluid connections securely before using swivel. Never exceed 5000 psi maximum operating pressure. Never alter or modify any part of the swivel. Never attempt to repair or disassemble the swivel while the system is pressurized. Never stop or deflect leaks with hand or body.

MEDICAL ATTENTION: Get medical attention immediately if exposed to high pressure fluids. Tell the attending physician what was injected.

# General Lubrication Products

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