



Pumps

Oil Pumps

Alemite Oil Pumps are ideal for applications where fluids are piped to multiple hose outlets, reels, metered outlets or portable service stations. Combined with other Alemite products such as hose reels, dispensing valves and automatic lubrication devices, Alemite Oil Pumps can deliver motor oils, gear oils, cutting oils, hydraulic oils, machine coolants, automatic transmission fluids and a wide range of petroleum-based fluids from pails, drums, tanks and totes. Use for both bulk transfer and pumping directly from the original container.

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Pumps

Medium Pressure (Oil Pump) Selection Guide

These air operated pumps are used to deliver motor oils, gear oils, hydraulic oils and automatic transmission fluid (ATF) from original refinery drums or tanks. They are ideal for local or remote installations where oil is piped to multiple hose outlets and/or reels, metered outlets or portable service stations.

These rugged weatherproof units are available in Standard Duty, RAM, and Heavy Duty to meet any pumping requirement. Models for use on 16 gallon drums mount to drum covers. 55-gallon drum models are available with bung adapters, which screw directly into 2" bung holes on drums and covers. Stub pumps are available for use in standard size and bulk tanks equipped with 2" bung opening.

The chart below lists general medium-pressure pump selection guidelines. Each application varies and should be carefully considered for special conditions that may require a pump selection other than the standard recommendations listed.

These conditions include, but are not limited to:

- Viscosity of product pumped
- Ambient temperature conditions
- Simultaneous operation of several dispensing outlets
- Dispensing volume requirements

When measuring total pump distance, the hose length of dispensing reels should be included in total distance.

For additional pump selection assistance, please contact Alemite Tech Service at 1-800-628-9069.

Pump distance (feet)	Up to 10 ft	Up to 25 ft	Up to 75 ft	75-200 ft	Up to 200 ft	Over 200 ft	Over 300 ft
Number of outlets	1	1	1-2	1-3	3+	1-3	3+
16 gallon container	N/A	9960-A	9960-A	N/A	N/A	N/A	N/A
55 gallon container (all require downtubes except 7216-4 and 9969-B)	7216-4***	9918-A	9918-A* 9969-B**	9969-B* 9970**	7783-A4	9970* or 7783-A4**	7793-A1
Bulk container (these pumps require a downtube)	9916-A1	N/A	9918-A*, 9968** 8568-A4	9968* or 9970**	7783-C4	7783-C4**	7793-C
Tubing recommendation (hydraulic fitting)	5/8" OD 0.035" Wall	5/8" OD 0.035" Wall	5/8" OD 0.035" Wall	5/8" OD 0.035" Wall	1" OD 0.049" Wall	1" OD 0.049" Wall	1" OD 0.049" Wall

IMPORTANT INFORMATION

- * High volume transfer pump
- ** For pumping light fluids, e.g., ATF or hydraulic oil
- *** For pumping heavy fluids, e.g., 10w 40 and gear oils

NOTE: For pumping Washer Fluid or 50/50 mix of Antifreeze and Water, use 8202 or 7880-C1 regardless of pumping distance & number of outlets. For pumping non-petroleum based products, see page 83 or contact Alemite Tech Service.

WARNING

Do not operate pump at higher pressure than lowest rated part of system. Severe injury may result if pump is operated at pressures greater than the lowest rated component in the distribution system.



Pumps

Manual Oil Pumps - Bucket Pumps



7181 Series

High-Volume Bucket Pumps

Pumps both oils and greases. Adjustable lever adapts pump to lubricant type and operating conditions. Ideal for filling open and sealed reservoirs, compressed air lubricators, gearboxes and centralized lubrication equipment.

RECOMMENDED ACCESSORIES (7181-4):

- Hose Assembly (317854-5F or 317854-10) p.107
- High-Flow Nozzle (306610)

RECOMMENDED ACCESSORIES (7181-4, 7181-M, 7181-K):

- Portable Cart (6777-5) p.175
- Loader Coupler (306741) p.59

Product #	Description	Capacity	Delivery Per Stroke	Pressure	Outlet	Weight	Included Items
7181-4	High Volume Bucket Pump	3.7 gal.	1 oz.	Up to 500 psi	3/8" NPTF(f)	19 lb.	Check Valves
7181-M	High Volume Bucket Pump Assembly with Meter	3.7 gal.	1 oz.	Up to 500 psi	3/8" NPTF(f)	20 lb.	Hose Assembly (322434), High Flow Nozzle (306610), Electronic Stationary Meter (3631)
7181-K	High Volume Bucket Pump Assembly with Hose & Nozzle	3.7 gal.	1 oz.	Up to 500 psi	3/8" NPTF(f)	20 lb.	Hose Assembly (371807-5F), Nozzle Assembly (306610)

Pumps

Manual Oil Pumps - Bucket Pumps



7149-4



7149-T



7149-A4P

7149 Series

Multi-Pressure Bucket Pump

These manual pumps offer variable pressure between 2,500 and 5,000 psi. Adjustable lever has three positions to adapt pump to lubricant type and operating conditions.

FEATURES:

- Capacity of 35 lb. or 5 gallons
- Delivery - 1 oz. per stroke
- Develops 2,500 - 5,000 psi

RECOMMENDED ACCESSORIES:

- Hose Assembly (Hydraulic Narrow Coupler) (322434) p. 107
- Hose Assembly (Giant Button Head Coupler) (6615-G) p. 107
- Hose Assembly (Standard Button Head Coupler) (6616-G) p. 107
- Hose Assembly (Hydraulic Standard Coupler) (6617-G) p. 107

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Product #	Description	Weight	Included Items
7149-4	Multi-Pressure Bucket Pump	18 lb.	N/A
7149-A4	Multi-Pressure Bucket Pump Assembly	21 lb.	Hose Assembly (322434)
7149-E4	Multi-Pressure Bucket Pump Assembly	21 lb.	Hose & coupler assembly (6616-G), Buttonhead fitting (A1188), Plug Button (171134)
7149-F4	Multi-Pressure Bucket Pump Assembly	21 lb.	Hose & coupler assembly (6615-G), Plug Button (171134), Buttonhead fitting (322108)
7149-T	Multi-Pressure Bucket Pump Assembly with Porta-Cart	32 lb.	Porta-Cart (6777-5)
7149-V	Multi-Pressure Bucket Pump Assembly with Porta-Cart	49 lb.	Hose and Coupler assembly (6617-G), Porta-Cart (6777-5)
7149-A4P	High Impact Plastic Bucket Pump Assembly	20 lb.	Hose Assembly (322434)
7149-4P	High Impact Plastic Bucket Pump	17 lb.	N/A



Pumps

Manual Oil Pumps - Dispensing Pumps

FEATURES:

- Compatible with oils and gear lubes
- Units attach directly to original container
- Lever has two positions to adjust delivery rate



7533-4



7534-4



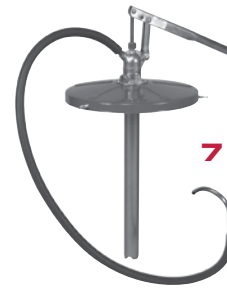
7535-4



8570-5



8571-5



7117-1

Product #	Description	Drum Size	Delivery Per Stroke	Outlet	Included Items	Recommended Accessories
7533-4	Dual-Leverage Pump	5 gal.	2.6 oz. per stroke	1/2" NPTF(f)	5-1/2' Hose (317809-5F), Curved Nozzle (306610), Pail Cover	Dolly (336575-A1), Hand Cart (338958)
7534-4	Dual Leverage Pump	16 gal.	2.6 oz. per stroke	1/2" NPTF(f)	5-1/2' Hose (317809-5F), Curved Nozzle (306610), Drum Cover	Dolly (336575-B1 or 316315-5), Hand Cart (338958), In-Line Electronic Meter (3631)
7535-4	Dual Leverage Pump	55 gal.	2.6 oz. per stroke	1/2" NPTF(f)	5-1/2' Hose (317809-5F), Curved Nozzle (306610), 2" NPTF(m) Bung Adapter	In-Line Electronic Meter (3631), Dolly (336899)
8570-5	Dual Leverage Pump	16 gal.	2.6 oz. per stroke	1/2" NPTF(f)	5-1/2' Hose (317809-5F), Curved Nozzle (306610), Drum Cover, In-Line Electronic Meter (3631), Dolly (316315-5)	N/A
8571-5*	Dual Leverage Pump	16 gal.	2.6 oz. per stroke	1/2" NPTF(f)	1' Hose (317860-1), Curved Nozzle (306610), Drum Cover, In-Line Electronic Meter (3631), Filter (321203), Dolly (316315-5)	N/A
7117-1**	Standard Duty Pump	25 lb. - 35 lb. pails	2.6 oz. per stroke	N/A	5' Hose, Curved Nozzle, Pail Cover Assembly	N/A

IMPORTANT INFORMATION

* Designed for automatic transmission fluid

** Designed for fluids and non-aggressive lubricants

Pumps

Manual Oil Pumps - Standard-Duty Manual Pumps

Alemite Manual Oil Pumps are simple to operate and require no electricity or compressed air. We offer a wide variety of models to fit 2-gallon pails up to 55-gallon drums, plus a full line of accessories.



6796

FEATURES:

- Telescoping suction tube fits all containers up to 55-gallon drum
- Floating check valve allows liquids to drain back from pump when not in use



6797

FEATURES:

- Self-venting
- Telescoping suction tube fits all containers up to 55-gallon drum
- Floating check valve allows liquids to drain back



F401

FEATURES:

- Telescoping tube fits 16- and 55-gallon drums



340177-1

RECOMMENDED ACCESSORIES:

- Remote dispenser (340178-1)
- Air Adapter (340179)



F406

Product #	Description	Drum Size	Fluids	Delivery	Included Items
6796	Professional Duty Transfer Pump	Up to 55 gal.	Lubricants, solvents, thinners, automotive additives, chemicals, non-corrosive liquids	12 oz. per stroke	N/A
6797	Diaphragm Transfer Pump	16 and 55 gal.	Variety of petroleum products	25.6 oz. per stroke	Built-In Strainer & Vacuum Breaker
F401	Standard Duty Rotary Pump	16 and 55 gal.	Variety of petroleum products	8.5 oz. per stroke	Standard 2" Bung
340177-1	GT Pump	Up to 55 gal.	Oil-Based Fluids	Up to 4.5 gal./min.	Siphon Tube, 3 Drum Seals
F406	Standard Duty Transfer Pump	15 to 55 gal.	Lubricants, solvents, industrial chemicals, additives and non-corrosive liquids	N/A	N/A



Pumps

Hydraulic Pumps

Alemite's 8600 series hydraulic powered pump offers a wide range of grease output in a compact design. This pump features a compact footprint and, since it is hydraulically powered, there is no need for a bulky compressor. This makes the 8600 series an ideal choice for automatic lubrication systems installed on mobile equipment where space is limited.



8602-A

FEATURES:

- Hydraulic powered with sturdy construction
- Compact footprint; does not require a bulky compressor
- Pressure automatically drops when motor stops to prevent over lubrication
- Operates reliably even at low temperatures/no icing
- Does not require a separate vent valve in small- to medium-sized systems

INCLUDED ITEMS:

- Pressure and flow regulators

Product #	Description	Container Size	Output Pressure	Delivery	Input Pressure	Input Flow	System Pressure	Max. Hydraulic Fluid
8600-A	Grease Pump with cover & follower	35 lb.	Up to 3,500 psi	6 to 30 cu. in./min	300 to 600 psi	2 to 7 gpm	300 to 3,500 psi	250°F
8602-A	Grease Pump	35 lb.	Up to 3,500 psi	6 to 30 cu. in./min	300 to 600 psi	2 to 7 gpm	300 to 3,500 psi	250°F
8600-B	Grease Pump with cover & follower	120 lb.	Up to 3,500 psi	6 to 30 cu. in./min	300 to 600 psi	2 to 7 gpm	300 to 3,500 psi	250°F
8602-B	Grease Pump	120 lb.	Up to 3,500 psi	6 to 30 cu. in./min	300 to 600 psi	2 to 7 gpm	300 to 3,500 psi	250°F

Pumps

Pneumatic RAM Pumps (Stationary)

Alemite Stationary RAM Pumps are rugged enough to withstand even the most extreme conditions and handle your most challenging oil applications with ease. The RAM pump sets the standard for pump durability and is faster, quieter and more efficient than ever before.

Alemite RAM Pumps are capable of pumping at rates up to 20 gallons per minute. These pumps resist the effects of freezing.



9968

SPECIFICATIONS:

- Air inlet: 1/4" NPTF(f)
- Air motor diameter: 3"
- Stub pumps must have appropriate downtube added. PVC and carbon steel downtubes are available p. 100

FEATURES:

- Recommended for piped installations of short to moderate length
- Easily handles fluids up to SAE 140
- Pump will mount to 1-1/2" suction pipe (1" for model 9970) from remote tank

INCLUDED ITEMS:

- Drum Cover (338145) on 9960-A

Product #	Description	Material Inlet	Material Outlet	Drum Size	Pump Ratio	Delivery	Bung Adapter	Weight
9916-A1	Pneumatic RAM Oil Pump	1-1/2" NPTF(f)	1/2" NPTF(f)	Stub	1:1	16 gpm	Integral	17 lb.
9918-A	Pneumatic RAM Oil Pump	1-1/2" NPTF(f)	1/2" NPTF(f)	Stub	3:1	9 gpm	Integral	17 lb.
9920	Pneumatic RAM Oil Pump	1" NPTF(f)	1" NPTF(f)	Stub	1:1	20 gpm	No	18 lb.
9960*	Pneumatic RAM Oil Pump	1-1/2" NPTF(f)	1/2" NPTF(f)	16 gal.	5:1	7 gpm	Yes: 326750-B1	18 lb.
9960-A*	Pneumatic RAM Oil Pump	1-1/2" NPTF(f)	1/2" NPTF(f)	16 gal.	5:1	7 gpm	No	17 lb.
9968	Pneumatic RAM Oil Pump	1-1/2" NPTF(f)	1/2" NPTF(f)	Stub	5:1	7 gpm	Yes: 326750-B1	14 lb.
9968-A	Pneumatic RAM Oil Pump	1-1/2" NPTF(f)	1/2" NPTF(f)	Stub	5:1	7 gpm	No	17 lb.
9969-B*	Pneumatic RAM Oil Pump	1-1/2" NPTF(f)	1/2" NPTF(f)	55 gal.	5:1	7 gpm	Yes: 326750-B1	18 lb.
9970	Pneumatic RAM Oil Pump	1" NPTF(f)	3/8" NPTF(f)	Stub	10:1	3.5 gpm	Yes: 326750-B1	11 lb.

IMPORTANT INFORMATION

* Downtubes are included with pumps.



Pumps

Pneumatic RAM Pumps (Portable)

Alemite's Mobile RAM Gear Oil Pump offers portability, quiet operation and quick serviceability.



FEATURES:

- Recommended for gear oils
- Delivery: Up to 4 gallons per minute (at 150 psi for SAE 140 gear oil)
- Air inlet: 1/4" NPTF(f)
- Air motor diameter: 3"
- Features a built-in control valve holster to keep the hose and handle off the floor
- Steel dolly includes durable casters pre-installed
- Dispensing valve included with pump is designed for hard-to-reach areas such as vehicle rear axles

INCLUDED ITEMS:

- Drum Cover (338145)
- Control Valve (7492)
- 5-1/2' Material Hose (317856-5F)
- In-Line Electronic Meter (3631)
- Steel Dolly (316315-5),
- Dispensing Valve (7492)

Product #	Description	Bare Pump	Drum Size	Pump Ratio	Delivery	Weight
9961-1	Pneumatic RAM Oil Pump (Portable)	9968	16 gal.	5:1	4 gpm	40 lb.

Pneumatic Standard Duty (Stationary)

Alemite H-Pumps are designed for medium-pressure industrial applications. Downtubes are available in various lengths to match container size requirements.



SPECIFICATIONS:

- Air inlet: 1/4" NPSI
- Material inlet: 1-1/2" NPTF(f)
- Material outlet: 3/8" NPTF(f)
- H-Pump air motor diameter: 2-7/16"
- Pump must have appropriate downtube added p. 100

FEATURES:

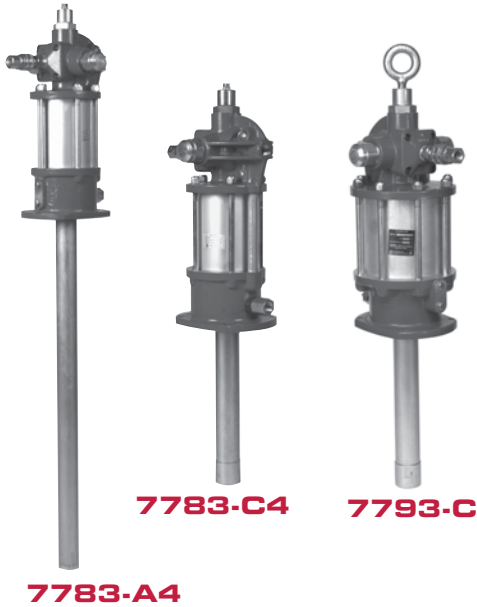
- Recommended for piped installations of short to moderate length
- Easily handles 10, 20 and 30W oils
- Pump will mount to 1-1/2" suction pipe (from remote tank)
- Double-toggle balances pressure on air valve trip mechanism to prevent binding or stalling
- Corrosion-resistant chrome finish on piston rods alleviates packing wear
- Center-flow, micro-lapped high-pressure air valve lasts indefinitely
- Self-aligning, heavy acme thread provides safely-locked linkage

Product #	Description	Drum Size	Pump Ratio	Delivery	Bung Adapter	Weight
8568-A4	High-Pressure Oil Pump (Stationary)	Stub	4:1	3 gpm	Yes: 326750	14 lb.

Pumps

Pneumatic Industrial Pumps

Built for continuous duty, Alemite Industrial Pumps are designed to deliver fluids through long delivery lines or to multiple dispensing points. Pumps are equipped with hoist eyebolts.



SPECIFICATIONS:

- Air inlet and outlet: 3/4" NPTF(f)
- Material outlet: 1/2" NPTF(f)
- 7783 series air motor diameter: 4-1/4"
- 7793 series air motor diameter: 6"
- Pumps 7783-C4 and 7793-C must have appropriate downtube added p. 100
- Stub versions have 1-1/2" NPTF(f) inlet

FEATURES:

- Recommended for pumping distances over 100 ft.

INCLUDED ITEMS:

- Air Connector
- Quick-detach Air Coupler

REQUIRED ACCESSORIES:

- Bung Adapter for all models [when not using cover (326750-B1)] p. 104
- Cover for 16-gallon models (323800-4) p. 102
- Cover for 55-gallon models (323847-4) p. 102
- Muffler for all models (324170)

Required Accessories

Product #	Description	Drum Size	Pump Ratio	Delivery	Weight	Required Accessories		
						Bung Adapter*	Cover	Muffler
7783-A4	Pneumatic Industrial Oil Pump (Stationary)	55 gal.	6:1	10 gpm	55 lb.	326750-B1	323847-4	324170
7783-B4	Pneumatic Industrial Oil Pump (Stationary)	16 gal.	6:1	10 gpm	50 lb.	326750-B1	323800-4	324170
7783-C4	Pneumatic Industrial Oil Pump (Stationary)	Stub*	6:1	10 gpm	45 lb.	326750-B1	**	324170
7793-A1	Pneumatic Industrial Oil Pump (Stationary)	55 gal.	12:1	6.5 gpm	75 lb.	326750-B1	323847-4	324170
7793-C	Pneumatic Industrial Oil Pump (Stationary)	Stub*	12:1	6.5 gpm	65 lb.	326750-B1	**	324170

IMPORTANT INFORMATION

*When not using cover

**Varies depending on what size drum is used