

Pumps

Introduction

Alemite has a pump to meet almost any fluid handling or dispensing need. Designed and constructed to meet the highest standards, Alemite pumps are exactly what you need to keep your operation running.

The complete Alemite pump offering includes a wide range of pumps to fulfill virtually every application demand.

Pump Types:

- **Grease** - Alemite Grease Pumps are designed to handle a wide range of applications, fluid viscosities and system pressures. Combined with other Alemite products such as hose reels, dispensing valves and automatic lubrication devices, Alemite Grease Pumps can deliver lubricants from pails, drums, tanks and totes.
- **Oil** - 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.
- **Chemical and Material Handling** - Alemite Chemical and Material Handling Pumps are designed to provide the capabilities and versatility needed to construct systems meeting all the individual requirements of various applications. Chemicals and materials are pumped from their original containers or bulk storage tanks, transferred to the point of application and then sprayed, dispensed or extruded.
- **Undercoating** - Materials may be sprayed using air-atomizing or airless spray systems. Applications include the spraying of adhesives, roof coatings and hundreds of similar applications.



Pumps

Grease Pumps

Alemite Grease Pumps are designed to handle a wide range of applications, fluid viscosities and system pressures. Combined with other Alemite products such as hose reels, dispensing valves and automatic lubrication devices, Alemite Grease Pumps can deliver lubricants from pails, drums, tanks and totes.

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Pumps

High Pressure (Grease Pump) Selection Guide

The chart below lists general high 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.

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Pump distance (feet)	Up to 4 ft	Up to 50 ft	Up to 75 ft	75-150 ft	Up to 150 ft	Over 150 ft	Over 150 ft
Number of outlets	1	1	1-3	1-3	3+	1-3	3+
Drum size 35 lbs. (9911 includes follower plate and cover)	N/A	9911 Series**	N/A	N/A	N/A	N/A	N/A
120 lbs. (only 9950-A1 and 8550-A1 include follower plate and drum cover)	N/A	9951 Series**	9950-A1 8550-A1	9940 8540-A1	7785-B5 7786-C	7785-B5	7786-C
400 lbs. (only 9979-A includes follower plate & drum cover)	7216-A4*	9979-A 8559-B	9979-A 8559-B	9949 8549-B1	7785-A5 7786-A5	7885-A5	7786-A5
Bulk Tote Tank	N/A	N/A	9930	7730	7730	7730	7730
Tubing recommendation (hydraulic fitting)	5/8" OD 0.083" Wall	5/8" OD 0.083" Wall	5/8" OD 0.083" Wall	3/4" OD 0.095" Wall	1" OD 0.125" Wall	1" OD 0.125" Wall	1" OD 0.125" Wall

IMPORTANT INFORMATION

* High volume pump

** Specific pump selection depends on what accessories are required

NOTE: For pumping non-petroleum based products, see page 83 or contact Alemite Tech Services. Alemite recommends using hydraulic tubing for all installations.

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 Grease Pumps - Bucket Pumps

Alemite Manual Grease Pumps are simple to operate and require no electricity or compressed air. We offer a wide variety of models to fit 25-lb. pails up to 400-lb. drums, plus a full line of accessories.

7149 Series

Multi-Pressure Bucket Pumps

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 gallon
- Delivery - .333 oz.
- 2,500 - 5,000 psi pressure

7149-4 RECOMMENDED ACCESSORIES:

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



7149-4



7149-A4P



7149-T

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 plug (322108)
7149-T	Multi-Pressure Bucket Pump 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	20 lb.	Hose Assembly (322434)
7149-4P	High Impact Plastic Bucket Pump	17 lb.	N/A

Pumps

Manual Grease Pumps - Bucket Pumps

Alemite Manual Grease Pumps are simple to operate and require no electricity or compressed air. We offer a wide variety of models to fit 25-lb. pails up to 400-lb. drums, plus a full line of accessories.



7531-4

Manual Grease Pump [For use with pails]

For all greases up to NLGI #3. Product can be used with standard or tapered pails. Pump mounts directly to original 35-lb. container.

FEATURES:

- Delivery: .20 oz. per stroke
- Develops up to 3,500 psi
- Pump Outlet: 3/8" NPTF(f)

RECOMMENDED ACCESSORIES:

- Portable Dolly (336575-A1) p. 174
- Hand Cart (338958) p. 174

Product #	Description	Cap.	Delivery	Pressure	Weight	Outlet	Included Items
7531-4	Manual Grease Pump (for use with pails)	35 lb.	.20 oz. per stroke	3,500 psi	11 lb.	3/8" NPTF(f)	Carrying handle for portability; 5' Hose and coupler assembly (322434); Flexible follower plate (337665) for use with standard or tapered pails
7531-A4	Manual Grease Pump (for use with pails) - Metric	20 kg.	.20 oz. per stroke	3,500 psi	10 lb.	3/8" NPTF(f)	Carrying handle for portability; 5' Hose and coupler assembly (322434); Flexible follower plate (337665) for use with standard or tapered pails; Cover (337729)



Pumps

Manual Grease Pumps - Bucket Pumps



7181-4

High-Volume Bucket Pump

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.

FEATURES:

- Capacity: 25 lb. or 3.7 gallons (container included)
- Delivery: .333 oz. per stroke of grease and 1 oz. per stroke of oil
- Develops up to 500 psi
- Pump outlet: 3/8" NPTF(f)
- Weight: 19.5 lb.
- Includes two check valves: one at the bottom located on rod and one located mid-way in the tube provides increased volume

RECOMMENDED ACCESSORIES:

- Hose Assembly (317854-5F or 317854-10) p. 107
- Portable Cart (6777-5) p. 175
- Loader Coupler
- Loader Extension (317219)



6713-4

High-Pressure Bucket Pump

Can be used to pump oils and greases up to NLGI #3-type grease. Ideal for extreme pressure applications, such as gas valve lubrication, mounting and dismounting of bearings and hydraulic movement.

FEATURES:

- Capacity: 30 lb. (container included)
- Delivery: .0625 oz. per stroke
- Develops up to 15,000 psi
- Pump outlet: 1/4" NPTF(f)
- Manually operated pressure relief valve allows option to relieve pressure without removing connection to lube point

RECOMMENDED ACCESSORIES:

- | | |
|--|--------------------------------------|
| • Follower Plate (314898) p. 103 | • "T" (309727) |
| • Portable Cart (6777-5) p. 175 | • Button Head Coupler (319702) p. 37 |
| • Series Hose Assembly (317875) p. 107 | • Swivel (B52750) p. 138 |
| • Gauge (317150) | • Saf-T-Vent™ Coupling (310428) |

Pumps

Manual Grease Pumps - Loader Pumps

Alemite Manual Grease Pumps are simple to operate and require no electricity or compressed air. We offer a wide variety of models to fit 25-lb. pails up to 400-lb. drums, plus a full line of accessories.

Use to fill loader-fitting equipped grease guns quickly and efficiently. Use of this product helps to ensure that clean lubricant is applied to the lubrication point or surface by reducing the introduction of outside contaminants.

66



7537-4

INCLUDED ITEMS: Cover (337729), Flexible Follower Plate (338825), Loader Extension (317219), Loader Coupler (306741)

RECOMMENDED ACCESSORIES:

- Portable Dolly (336575-A1) p. 174
- Hand Cart (338958) p. 174



7538-4

INCLUDED ITEMS: Cover (328245-4), Flexible Follower Plate (338803), Loader Extension (317219), Loader Coupler (306741)

RECOMMENDED ACCESSORIES:

- Hand Cart (338958) p. 174
- Dolly for 120-lb. Container (336575-B1) p. 174
- Dolly for 120-lb. Container (316315-5) p. 174



7539-4

RECOMMENDED ACCESSORIES:

- Drum Cover (318040-4) p. 102
- Follower Plate (338923) p. 103
- Dolly for 400 lb. container (336899) p. 174



7118-1

INCLUDED ITEMS: Flexible follower plate for straight or tapered pails, Loader Coupler, Loader Fitting, Drum Cover

Product #	Description	Drum Size	Delivery	Weight	Pressure
7537-4	Volume Delivery Loader Pump	Standard or tapered 35 lb. pail	1 lb. per 6 strokes	11 lb.	500 psi
7538-4	Volume Delivery Loader Pump	120 lb.	1 lb. per 6 strokes	19 lb.	500 psi
7539-4	Volume Delivery Loader Pump	400 lb.	1 lb. per 6 strokes	25 lb.	500 psi
7118-1	Standard Duty Loader Pump	25 and 35 lb. pails	1 oz. per stroke	6 lb.	N/A



Pumps

Pneumatic RAM Pumps (Stationary)

Alemite Stationary RAM Pumps provide quiet operation and quick serviceability. Capable of transferring grease at a rate of 4.5 lb. per minute, these double-acting pumps are designed to reduce line pulsation and allow lower operating pressure. Ideal for piped installations of moderate length.



FEATURES:

- Air inlet: 1/4" NPTF(f)
- Material outlet: 3/8" NPTF(f)
- Air motor diameter: 3"
- Metric RAM pumps meet European standards (CE)
- Recommended for piped installations of up to 150 ft.

SPECIFICATIONS:

- Internal muffler and an innovative airflow design help Alemite RAM Pumps meet OSHA noise requirements (85 dB)
- Orientation of material outlet and air inlet can be easily adjusted 360°
- Pumps are easy to use and designed to operate with or without a lubricator
- Air motor and spool valve are easily accessible without removing the downtube
- Flexible follower works with straight and tapered containers

				Recommended Accessories	
Product #	Drum Size	Delivery	Weight	Follower	Cover
70:1 Ratio					
9940	120 lb.	3.25 lb./min	28 lb.	338802	338371
9949	400 lb.	3.25 lb./min	32 lb.	338911	338163
50:1 Ratio					
9950-I	120 lb.	4.5 lb./min	19 lb.	338802	338371
9950-AI	120 lb.	4.5 lb./min	32 lb.	Included: 338802	Included: 338371
9979	400 lb.	4.5 lb./min	25 lb.	338911	338163
9979-A	400 lb.	4.5 lb./min	49 lb.	Included: 338911	Included: 338163
9950-BI	12.5 kg (35 lb.)	2.04 kg/min	16 lb.	338991	338981
9950-CI	20 kg	2.04 kg/min	18 lb.	338992	338982
9950-I	50 kg (120 lb.)	2.04 kg/min	19 lb.	338802	338371
9950-DI	180 kg (400 lb.)	2.04 kg/min	23 lb.	338911	338984
9979-M	180 kg (400 lb.)	2.0 kg/min	25 lb.	Included: 338911	Included: 338984
9930*	Bulk	4.5 lb./min	16 lb.	Not required	Not required

IMPORTANT INFORMATION

* Bulk Tote Tank pump designed for horizontal mounting and space constraints

NOTE: Delivery based on NLGI #2 at 77°F, 150 psi. Delivery rate may vary based on grease type, temperature, pressure, distance pumped and other conditions.

Pumps

Pneumatic RAM Pumps (Portable)

Alemite Mobile RAM Grease Pumps offer portability, quiet operation and quick serviceability. Most models come equipped with all necessary accessories for fast and easy setup.



FEATURES:

- Air inlet: 1/4" NPTF(f)
- Material outlet: 3/8" NPTF(f)
- Air motor diameter: 3"
- Pumps are 50:1 ratio, except 9941 is 70:1 ratio
- Flexible followers work with straight and tapered containers

INCLUDED ITEMS:

- Control Valve (6320-3)
- 7' Material Hose (317875-7)
- Z-Swivel (B52752)

9951-1

Included items (unless noted)

Product #	Drum Size	Delivery	Cover	Follower	Dolly	Other	Weight	Bare Pump
9911-A1	see note*	4.5 lb/min	323496-A4	see note*	393629	N/A	68 lb.	9911-R1
9911-J	35 lb	4.5 lb/min	338166	337665	No	Built-in carrying handle	29 lb.	9950-C1
9911-Z1	35 lb	4.5 lb/min	338166	337665	338958	N/A	50 lb.	9911-I
9941	120 lb	3.25 lb/min	338371	338802	316315-5	N/A	54 lb.	9940
9951-I	120 lb	4.5 lb/min	338371	338802	316315-5	Built-in holster for hose and handle	50 lb.	9950-I
9951-S1	120 lb	4.5 lb/min	338371	338802	N/A	Built-in holster for hose and handle	37 lb.	9950
9951-T1	120 lb	4.5 lb/min	338371	338802	338958	Built-in holster for hose and handle	57 lb.	9950-I
9911-HA1	12.5 kg	2.04 kg/min	338981	338991	Order separately 338958	Built-in carrying handle	31 lb.	N/A
9911-HB1	20 kg	2.04 kg/min	338982	338992	Order separately 338958	N/A	37 lb.	N/A
9911-HC1	50 kg (120 lb)	2.04 kg/min	338983	338993	Order separately 338958	N/A	42 lb.	N/A
9911-B1	120 lb	4.5 lb/min	323496-A4	N/A	N/A	N/A	36 lb.	9911-R1
9911-C1	35 lb	4.5 lb/min	Included: 338166	337665	N/A	N/A	21 lb.	9911-I

IMPORTANT INFORMATION

* 9911-A1 will hold 70 lb. bulk grease or 35 lb. original refinery pail. Use follower (338802) with 70 lb. bulk grease and follower (337665) with 35 lb. refinery pail.

NOTE: Delivery based on NLGI #2 at 77°F, 150 psi. Delivery rate may vary based on grease type, temperature, pressure, distance pumped and other conditions.



Pumps

Pneumatic Standard Duty (Stationary)

Alemite H- and Super H-Pumps are designed for intermittent use in medium- and high-pressure industrial applications. Double-acting H-Pumps easily handle lightweight as well as fibrous lubricants. Downtubes are available in various lengths to match container size requirements.



SPECIFICATIONS:

- Air inlet: 1/4" NPTF(f)
- Material outlet: 3/8" NPTF(f)

FEATURES:

- Recommended for piped installations of moderate length
- Double-toggle balances pressure on air valve trip mechanism to prevent binding or stalling
- Dynamic primer ensures handling of light to heavy multi-purpose greases
- Flexible follower works with straight and tapered containers
- Corrosion-resistant hardened finish on piston rods alleviates packing wear
- Center-flow, micro-lapped high-pressure air valve lasts indefinitely
- Self-aligning, heavy acme threads provide safely-locked linkage

INCLUDED ITEMS:

- 8540 series pumps are equipped with Pressurtrol (319800-1), designed to limit air supply to the pump when pressures reach a designated level (factory set at 7,500 psi)
- Models 8549-B1 and 8559-B feature an Air Connector, Quick Detach Air Coupler and a Bung Adapter

Product #	Container Size	Follower	Cover	Weight	Bare Pump
70:1 Ratio. Super H-series pumps feature a 3" diameter air motor. Maximum operating pressure: 100 psi (6.9 bar) Maximum delivery pressure: 7,000 psi (483 bar); Delivery 2.25 lb./min. (1 kg./min.)					
8549-C	400 lb. (180 kg)	338911	318040-4	35 lb.	331378-B1
8549-B1	400 lb. (180 kg)	338911	318040-4	35 lb.	331378-B1
8540-B	120 lb. (50 kg)	338802	338371	32 lb.	331378-A1
8540-A1	120 lb. (50 kg)	Included: 338802	Included: 338371	35 lb.	331378-A1
331378-E1	N/A (12.5 kg)*	338991	Included: 321085	29 lb.	N/A
331378-F1	N/A (12.5 kg)	338991	338981	30 lb.	N/A
331378-H1	N/A (20 kg)	338992	338982	31 lb.	N/A
50:1 Ratio. H-series pumps feature a 2-7/16" diameter air motor. Maximum operating pressure: 150 psi (10 bar), Maximum delivery pressure: 7,500 psi (517 bar); Delivery 2.5 lb./min. (1.1 kg./min.)					
8559-B	400 lb. (180 kg)	338911	318040-4	35 lb.	331380-B5
8550-A1	120 lb. (50 kg)	Included: 338802	Included: 338371	35 lb.	331380-A5
331380-E1	N/A (12.5 kg)	338991	338981	30 lb.	N/A
331380-M1	N/A (20 kg)	338992	338982	31 lb.	N/A
331380-N1	Special	N/A	Included: 321085	29 lb.	N/A

IMPORTANT INFORMATION

* 12" (30 cm) downtube

NOTE: Delivery based on NLGI #1 @ 77°F, 150 psi. Delivery rate may vary based on grease type, temperature, pressure, distance pumped and other conditions.

Pumps

Pneumatic Standard Duty (Portable)

Alemite H- and Super H-Pumps are designed for intermittent use in medium- and high-pressure industrial applications where portability is a factor. Double-acting H-Pumps easily handle lightweight as well as fibrous lubricants. Downtubes are available in various lengths to match container size requirements.



Drum Not Included

8541-5

High-Pressure Portable H-Pump

Designed for high-pressure industrial and agricultural applications. Pump is packaged with all components necessary for mobile dispensing.

FEATURES:

- Air inlet: 1/4" NPTF(f)
- Material outlet: 3/8" NPTF(f)
- Air motor diameter: 3"
- Use with 120-lb. containers
- Pump ratio: 70:1
- Approximate delivery per minute: 2 lb.
- Unit has a built-in holster to keep the hose and handle off the floor
- Equipped with Pressurtrol (319800-1), designed to cut off air supply to the pump when pressure reaches designated level (factory set at 7,500 psi)
- Flexible follower works with straight containers

INCLUDED ITEMS:

- Cover (pump mounted in cover) (338371)
- Follower (338802)
- 7' Material Hose (317875-7)
- Z-Swivel (B52752)
- Control Handle (6320-3)
- Steel Dolly (316315-5) (comes assembled with durable casters)



8553-2

Medium-Pressure Portable H-Pump

Designed for medium-pressure industrial and agricultural applications. Pump is packaged with all components necessary for mobile dispensing.

FEATURES:

- Designed for heavy oils and light greases
- Use with 35-lb. pails
- Pump ratio: 26:1
- Approximate delivery per minute: 0.75 gal
- Comes equipped with convenient carrying handle
- Air inlet: 1/4" NPSI(f)
- Material outlet: 3/8" NPTF(f)
- Flexible follower works with straight and tapered containers

INCLUDED ITEMS:

- Cover (pump mounted in cover) (338166)
- 25' Material Hose (317875-25)
- Z-Swivel (B52752)
- Control Handle (6320-3)

RECOMMENDED ACCESSORIES:

- Flexible Follower (337665) p. 103



Pumps

Pneumatic Industrial Pumps (Stationary)

Built for continuous duty, Alemite Stationary Industrial Pumps can handle hard-to-pump fluids and viscous lubricants up to NLGI #3. These double-acting pumps are consistent, reliable and maintain pressure over long distances.



7784-A4

SPECIFICATIONS:

- Standard air motor diameter: 4-1/4"
- 7795-A5, 7795-B5 and 7736 air motor diameter: 6"
- Air Inlet: 3/4" NPTF (3/4" BSP for metric pumps)
- Material Outlet: 1/2" NPTF (1/2" BSP for metric pumps)
- Operating pressures: 7784 and 7785 series: 200 psi; 7786 and 7795 series: 100 psi

FEATURES:

- Recommended for pumping distances over 100'
- 7784-A4 is specially designed for use with heavy gear oil and lubricants up to NLGI #1
- Tote tank pumps designed for horizontal mounting and space constraints

INCLUDED ITEMS:

- Air Connector
- Quick-Detach Air Coupler
- Tote Tank Pumps also include Male 3" Cam Lock Adapter for mounting pump to bulk grease container

RECOMMENDED ACCESSORIES:

- Union (all models except bulk) (321155)
- Bung Adapter (all models) (326750-B1) p.104
- Air Hose (317811-5) p.141

7786-A5

Required Accessories

Product #	Drum Size	Pump Ratio	Delivery	Follower (flexible)	Cover	Muffler	Material Hose	Weight
7784-A4	400 lb.	25:1	32 lb./min	338912	323847-4	324170	317882-7	76 lb.
7785-A5	400 lb.	40:1	22 lb./min	338912	323847-4	324170	317882-7	77 lb.
7785-B5	120 lb.	40:1	22 lb./min	338804	323800-4	324170	317882-7	72 lb.
7786-A5	400 lb.	75:1	12 lb./min	338912	323847-4	324170	317882-7	75 lb.
7786-C	120 lb.	75:1	12 lb./min	338804	323800-4	324170	317882-7	75 lb.
7795-A5	400 lb.	80:1	13 lb./min	338912	323847-4	324170	317882-7	90 lb.
7795-B5	120 lb.	80:1	13 lb./min	338804	323800-4	324170	317882-7	84 lb.
7735*	Bulk	10:1	73 lb./min	N/A	N/A	324170	317856-5F	57 lb.
7736*	Bulk	11:1	86 lb./min	N/A	N/A	324170	317856-5F	57 lb.
7730*	Bulk	75:1	12.5 lb./min	N/A	N/A	324170	317876-5	64 lb.
7785-MA	180 kg.	40:1	25 lb./min	338912	323847-4	324170	317882-7	77 lb.
7786-MA**	180 kg.	75:1	12.5 lb./min	338912	323847-4	324170	317882-7	77 lb.
7795-MA**	180 kg.	80:1	13 lb./min	338912	323847-4	324170	317882-7	77 lb.

IMPORTANT INFORMATION

* Denotes Tote Tank

** Denotes BSP threads

NOTE: Delivery based on NLGI #2 at 77°F @ maximum recommended air pressure. Delivery rate may vary based on grease type, temperature, pressure, distance pumped and other conditions.

Pumps

Electric Grease Pumps (Portable)

Alemite's Electric Grease Pump – “Rockcrusher” – is designed for heavy-duty industrial and mining applications. Ideal for when compressed air or hydraulic service is not available.



7175-R4

Electric Grease Pump

FEATURES:

- Delivery: 14 oz. per minute NLGI #1 grease (70°F)
- 115V, 50/60 Hz 3/4 HP motor
- 25' three-wire electric cable
- 40-lb. grease capacity
- Maximum pressure: 5,000 psi (built-in switch shuts off motor)
- Recommended for use with 25' of hose or less
- Helix arm assembly provides positive feed for thick lubricants at low temperatures
- No follower plate required

INCLUDED ITEMS:

- 10' Hose (317878-10)
- Z-Swivel (B52752)
- Control Valve (6320-3)

IMPORTANT INFORMATION

NOTE: For Electric Transfer Pumps, see page 95.



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

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

77

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

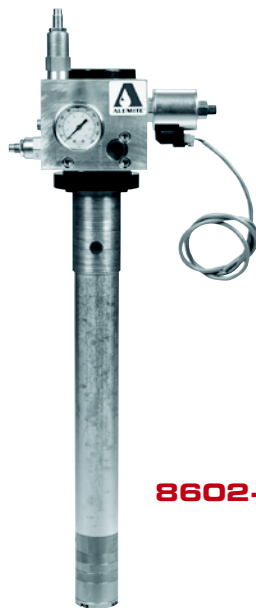
Product #	Description	Drum Size	Fluids	Delivery	Included Items
6796	Professional Duty Transfer Pump	Up to 55 gal.	Lubricants, solvents, thinners, automotive additives, chemicals, non-corrosive liquids	12 oz. per stroke	N/A
6797	Diaphragm Transfer Pump	16 and 55 gal.	Variety of petroleum products	25.6 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:

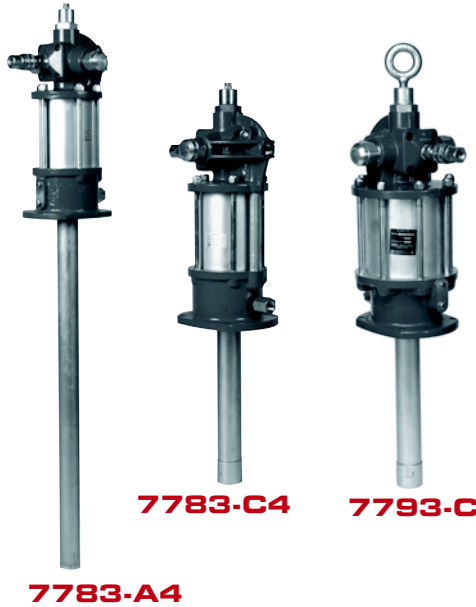
- Recommended for piped installations of short to moderate length
- Easily handles 10, 20 and 30W oils
- Pump will mount to 1-1/2" suction pipe (from remote tank)
- Double-toggle balances pressure on air valve trip mechanism to prevent binding or stalling
- Corrosion-resistant chrome finish on piston 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)

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



Pumps

Chemical and Material Handling Pumps Introduction

Alemite Chemical and Material Handling Pumps are designed to provide the capabilities and versatility needed for various applications. Chemicals and materials are pumped from their original containers or bulk storage tanks, transferred to the point of application and then sprayed, dispensed or extruded.

Alemite Chemical and Material Handling Pumps include:

Pump Selection Guide/Material Classification	85
GT Pumps.....	86
Class 1	86
Class 1 & 2	87
Class 1, 2 & 3	88
Class 2, 3 & 4	89
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Undercoating Pumps.....	93
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Electric Transfer Pump Accessories	97
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See Also:	
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Chemical and Material Handling Pumps General Information

Air-Operated Chemical and Material Handling Pumps

Alemite Air-Operated Chemical and Material Handling Pumps are efficient solutions for a wide range of applications and are designed for heavy-duty service and long life. Alemite Chemical and Material Handling Pumps have two main components – air motors and downtubes. Alemite pumps have these features:

- Only use an average of 4-6 CFM of air per gallon of material pumped
- Only required amount is pumped – leaving no material waste
- Pumps operate on demand
- Separated air motor prevents material contamination from pump tube
- Material is pumped on both up and down piston strokes for uniform flow

Pumps

Chemical and Material Handling Pumps General Information

Air Motors

All Alemite Air Motors are factory tested and lubricated for maximum service life and offer these features:

- Aluminum casting and cylinders are lightweight, corrosion resistant and provide good heat transfer to minimize icing
- Double-toggles provide even pressure, prevent air motor stalling or binding
- In-line exhaust meets OSHA noise requirements when equipped with a muffler
- Precision-lapped air valve has wide air passages with no restrictions, eliminating packings or spools that can deteriorate

Downtubes

The proper downtube is included with each pump and offers the following features:

- Hardened valve seats and checks
- Hardened and ground piston rods
- Highly polished tube cylinders
- Packings custom fit each application

IMPORTANT INFORMATION

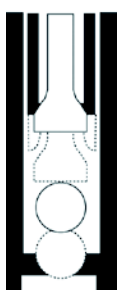
For Pump Motor/Downtube Chemical Compatibility Chart, see page 201.

Alemite offers three types of downtubes to assure that all varieties of materials can be pumped.

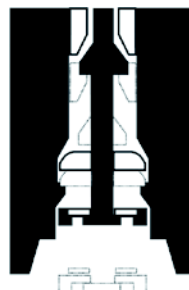
- **Double Ball Type** – Large porting for positive priming and pumping of light, viscous Class 1 and 2 materials
- **Power Piston Type** – Combines the priming advantages of a ball check with the abilities of an upper chop check to handle heavier Class 2, 3 and 4 materials
- **Dynamic Primer Type** – Primer rod extends below pump cylinder to penetrate and work the material as well as provide positive priming of the heaviest pumpable Class 5 and 6 materials



Double Ball Type



Power Piston Type



Dynamic Primer Type

Applications

Dispense – Dispensing involves the transfer of pumpable materials from their original containers or bulk storage to the point of application. Dispensing and transferring pumps are available to handle very light liquids, heavy sealers, inks and other similar products.

Extrude – Extruding is the application of heavy materials in a usable form, such as ribbons or beads. Extruding systems can handle caulks and sealers and varied chemical, food or pharmaceutical materials.

Spray – Materials may be sprayed using air-atomizing or airless spray systems. Applications include the spraying of adhesives, roof coatings and hundreds of similar applications.



Pumps

Chemical and Material Handling Pumps

Pump Selection Guide

Class	Pumps to Dispense	Pumps to Extrude	Pumps to Spray
Class 1	6799, 7216-S3, 7216-4, 7222-B4, 7880-CI, 340177-1, 340177-2, 340177-3	N/A	7835-CI, 7835-DTRI, 7835-SDTRI, 7880-CI
Class 2	6799, 7216-A4, 7216-B, 7216-S3, 7216-4, 7222-B4, 7835-CI, 7835-DTRI, 7835-SDTRI, 7880-CI, 340177-1, 340177-2, 340177-3	7835-CI, 7835-DTRI, 7835-SDTRI	7835-CI, 7835-DTRI, 7835-SDTRI, 7886-A5, 7886-B, 7886-S5
Class 3	7835-CI, 7835-DTRI, 7835-SDTRI, 7886-A5, 7886-S5	7835-CI, 7835-SDTRI, 7886-A5, 7886-B, 7886-S5	7886-A5, 7886-B, 7886-S5, 7896-A5, 7896-S5
Class 4	7886-A5, 7886-B, 7886-S5, 7896-A5, 7896-S5, 7890-A	7886-A5, 7886-B, 7886-S5, 7896-A5, 7896-S5, 7890-A	7889-6, 7889-C
Class 5	7889-6, 7889-C, 7893-A	7889-6, 7889-C, 7893-A	N/A
Class 6	7889-6, 7889-C, 7893-A	7889-6, 7889-C, 7893-A	N/A

Material Classification

Class	Fluid Type	Fluids
Class 1	Light Fluids (Viscosity 5 to 400 cps)	Acids, Adhesives, Cosmetics (fluid), Dextrose (liquid), Food Flavorings, Inks (liquid), Lubricating Oils (SAE 10 to SAE 40), Mineral Oils, Resins (synthetic), Shortenings (liquid), Solvents, Vegetable Oils (edible/non-edible)
Class 2	Medium Fluids (Viscosity 200 to 4,000 cps)	Adhesives, Batters (bakery), Drugs (fluid), Flavorings (ice cream), Food Fillings, Purees, Sealers, Syrups, Trough Grease
Class 3	Medium Fluids (Viscosity 3,000 to 30,000 cps)	Adhesives (latex), Ceiling Coating (acoustical), Doughs, Food Flavorings, Inks, Jams & Jellies, Sealers, Sound Deadeners, Syrups
Class 4	Medium Semi-Fluids (Viscosity non-measurable)	Buffing Compounds, Dough (heavy bakery), Drugs (semi-fluid), Food Products, Inks (heavy), Resins (synthetic), Shortening (vegetable paste), Sound Deadeners
Class 5	Heavy Semi-Fluids (Viscosity non-measurable)	Caulk (gun grade), Glues (dehydrated), Putty (light), Sealers (heavy)
Class 6	Extra-Heavy Semi-Fluids (Viscosity non-measurable)	Cements (plastic), Caulk (trowel grade), Caulk (tape), Sealers (trowel grade)

Materials of Construction

Wetted Material	Seal Material	Product #
Carbon Steel	Buna	7835-CI, 7835-DTRI, 7886-A5, 7886-B, 7896-A5, 7222-B4, 7216-B
	Polyurethane & Buna N	7889-6, 7889-C, 7890-A, 7893-A
	Teflon®	7835-DTRI
	Teflon® & Nylon II	7216-4, 7216-A4
	Fluorocarbon & Nylon II	7222-B4
Stainless Steel	Teflon®	7216-S3, 7880-CI, 7835-SDTRI, 7886-S5, 7896-S5

IMPORTANT INFORMATION

NOTE: This information is for quick-reference only. There may be additional information required to correctly recommend a unit and/or system. For additional assistance, contact Alemite Technical Services.

Pumps

Class 1: Light Fluids (<400 cp)

This Class I pump is designed to handle light fluids such as diesel fuel and light oils. Recommended for dispensing applications.



6799

FEATURES:

- 30-gpm flow rate ensures quick, efficient transfer of even large fluid volumes
- Aluminum, stainless steel and nylon construction provides compatibility with most fluids, including mildly corrosive liquids
- Air inlet: 1/4"

INCLUDED ITEMS:

- Downtube for 55-gallon drums

Product #	Wetted Materials	Seal Material	Drum Size	Pump Ratio	Free Flow per min	Cycles per gal.	Material Outlet	Weight
6799	Carbon Steel, Aluminum, Stainless Steel, Nylon	PTEE & Buna	55 gal.	1/3:1	30 gal.	30	1"	22 lb.

GT Pumps

FEATURES:

- Perfect solution to a variety of liquid transfer applications
- Adjustable to fit a wide variety of container sizes
- Includes siphon tube and three drum seals to fit nearly any container



340177-1

Product #	Description	Delivery	Drum Size	Recommended Accessories
340177-1	Oil-Based GT Pump	Up to 4.5 gal./min	2 to 55 gal.	Remote Dispenser (340178-1), Air Adapter (340179)
340177-2	Water-Based GT Pump	Up to 4.5 gal./min	2 to 55 gal.	Remote Dispenser (340178-2), Air Adapter (340179)
340177-3	Aggressive Fluids GT Pump	Up to 4.5 gal./min	2 to 55 gal.	Remote Dispenser (340178-3), Air Adapter (340179)

WARNING

Always consult a MATERIAL COMPATIBILITY CHART to ensure that the material being pumped and the cleaning product used for the pump are compatible with the material composition of the pump and hose.



Pumps

Class 1 & 2: Light to Medium Fluids (5 to 4,000 cp)

Alemite Class 1 & 2 Pumps are designed to handle light to medium fluids such as inks, flavoring and oils. The double ball downtube ensures positive priming for reliable operation. Recommended for dispensing applications.



7880-C1

FEATURES:

- Stainless steel and carbon steel models are suitable for pumping corrosive liquids
- Stub pumps require appropriate downtube [7216-4 includes downtube] p. 100
- Air inlet: 1/4"

RECOMMENDED ACCESSORIES:

- Single-Post Hoist [(2741-4 or 2742-4) p. 105-106] for models 7216-S3, 7216-4, 7880-C1 only
- Single-Post Hoist [(2741-4 or 2742-4) p. 105-106] requires Adapter Plate (322593)

Product #	Wetted Material	Seal Material	Drum Size	Pump Ratio	Free Flow per min	Cycles per gal.	Material Inlet	Material Outlet	Weight
7216-4	Carbon Steel	Teflon® & Nylon II	55 gal.	1:1	14 gal.	25	N/A	1" NPTF(f)	14 lb.
7216-A4	Carbon Steel	Teflon® & Nylon II	55 gal.	1:1	33 lb.	25	N/A	1" NPTF(f)	18 lb.
7216-S3	Stainless Steel	Teflon®	55 gal.	1:1	14 gal.	25	1" NPTF(f)	1" NPTF(f)	22 lb.
7216-B	Carbon Steel	Buna	55 gal.	2:1	7 gal.	32	N/A	3/8" NPTF(f)	18 lb.
7222-B4	Carbon Steel	Viton	Stub	1:1	14 gal.	25	1-1/2" NPTF(f)	1" NPTF(f)	12 lb.
7880-C1	Stainless Steel	Teflon®	Stub	2.5:1	7 gal.	38	1" NPTF(f)	3/8" NPTF(f)	14 lb.

WARNING

Always consult a MATERIAL COMPATIBILITY CHART to ensure that the material being pumped and the cleaning product used for the pump are compatible with the material composition of the pump and hose.

Pumps

Class 1, 2 & 3: Light to Heavy Fluids (5 to 30,000 cp)

Alemite Class 1, 2 & 3 Pumps are ideal for pumping light to heavy fluids, including coatings, oils, sealants and sound deadeners. Recommended for dispensing, extruding and spraying applications.



7835-CI

FEATURES:

- Air inlet: 1/4" NPSI
- Material outlet: 3/4" NPTF(f)
- Stub pumps require appropriate downtube p. 100; downtube is included with 7835-DTRI and 7835-SDTRI
- Stainless steel model (7835-SDTRI) is suitable for pumping corrosive fluids

RECOMMENDED ACCESSORIES:

- Single-Post Hoist (2741-4 or 2742-4) p. 105-106
- Adapter Plate (322593) for Single-Post Hoist

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Product #	Wetted Material	Seal Material	Drum Size	Pump Ratio	Free Flow per min	Cycles per gal.	Material Outlet	Weight
7835-CI	Carbon Steel	Buna	Stub	5:1	5 gal.	25	3/4" NPTF(f)	30 lb.
7835-DTRI	Carbon Steel	Teflon®	55 gal.	5:1	5 gal.	25	3/4" NPTF(f)	42 lb.
7835-SDTRI	Stainless Steel	Teflon®	55 gal.	5:1	5 gal.	25	3/4" NPTF(f)	44 lb.

WARNING

Always consult a MATERIAL COMPATIBILITY CHART to ensure that the material being pumped and the cleaning product used for the pump are compatible with the material composition of the pump and hose.



Pumps

Class 2, 3 & 4: Medium to Heavy Fluids and Medium Semi-Fluids (200 cp to Non-Measurable Viscosity)

Alemite Class 2, 3 & 4 Pumps are designed to handle medium to heavy fluids and medium semi-fluids, including adhesives, sealants, dough and pastes. Power piston downtube combines the priming advantages of a ball check with the abilities of an upper chop check to handle heavier materials. Recommended for dispensing, extruding and spraying applications.



7886-S5

FEATURES:

- Air inlet: 3/4" NPTF(f)
- Material outlet: 1" NPTF(f)
- Stainless steel model (7886-S5) is suitable for pumping corrosive materials

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Product #	Wetted Material	Seal Material	Drum Size	Pump Ratio	Free Flow per min	Cycles per gal.	Material Outlet	Weight
7886-A5	Carbon Steel	Buna	400 lb.	11:1	13 gal.	30	1" NPTF(f)	78 lb.
7886-B	Carbon Steel	Buna	5 gal.	11:1	13 gal.	30	1" NPTF(f)	75 lb.
7886-S5	Stainless Steel	Teflon®	400 lb.	11:1	13 gal.	30	1" NPTF(f)	82 lb.

Recommended Accessories

Used with Pump	Single-Post Hoist *	Bridge Hoist	Adapter Plate	Follower	Adapter
7886-A5	2741-4, 2742-4, 2743-4	7817-F5	322593 (use with 2741-4 or 2742-4)	327242 (use with 2742-4)	330976 (required for 327242)
7886-B	2742-4, 2743-4	N/A	N/A	324610 (use with 2742-4)	330976 (required for 324610)
7886-S5	2741-4, 2742-4, 2743-4	N/A	322593 (use with 2741-4 or 2742-4)	N/A	N/A

IMPORTANT INFORMATION

* See p. I05-I06 for hoists

WARNING

Always consult a MATERIAL COMPATIBILITY CHART to ensure that the material being pumped and the cleaning product used for the pump are compatible with the material composition of the pump and hose.

Pumps

Class 3 & 4: Heavy Fluids and Medium Semi-Fluids (3000 cp to Non-Measurable Viscosity)

Alemite Class 3 & 4 Pumps are ideal for pumping heavy fluids and medium semi-fluids, such as buffing compounds, resins and latex. Power piston downtube combines the priming advantages of a ball check with the abilities of an upper chop check to handle heavier materials. Recommended for dispensing, extruding and spraying applications.



7896-A5

FEATURES:

- Air inlet: 3/4" NPTF(f)
- Material outlet: 1" NPTF(f)
- Stainless steel model (7896-S5) is suitable for pumping corrosive materials

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Product #	Wetted Material	Seal Material	Drum Size	Pump Ratio	Free Flow per min	Cycles per gal.	Material Outlet	Weight
7896-A5	Carbon Steel	Buna	400 lb.	22:1	7 gal.	30	1" NPTF(f)	85 lb.
7896-S5	Stainless Steel	Teflon®	400 lb.	22:1	7 gal.	30	1" NPTF(f)	91 lb.

Recommended Accessories

Used with Pump	Single-Post Hoist *	Bridge Hoist	Adapter Plate	Follower	Adapter
7896-A5	2741-4, 2742-4, 2743-4	7818-F5	322593 (use with 2741-4 or 2742-4)	327242 (use with 2742-4) or 324610 (use with 2742-4)	330976 (required for 327242)
7896-S5	2741-4, 2742-4, 2743-4	N/A	N/A	324610 (use with 2742-4)	330976 (required for 324610)

IMPORTANT INFORMATION

* See p. 105-106 for hoists.



Pumps

Class 4: Medium Semi-Fluids (Non-Measurable Viscosity)

Alemite Class 4 Pumps are ideal for pumping heavy fluids and medium semi-fluids, such as buffing compounds, heavy inks and pastes. Power piston downtube combines the priming advantages of a ball check with the abilities of an upper chop check to handle heavier materials. Recommended for dispensing and extruding applications.



7890-A

FEATURES:

- Air inlet: 3/4" NPTF(f)
- Material outlet: 1/2" NPTF(f)

RECOMMENDED ACCESSORIES:

- Single-Post Hoist (2741-4) p.105, (2742-4) p.106 or (2743-4) p.106
- Adapter Plate (338019) for Single-Post Hoist

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Product #	Wetted Material	Seal Material	Drum Size	Pump Ratio	Free Flow per min	Cycles per gal.	Material Outlet	Weight
7890-A	Carbon Steel	Buna	400 lb.	24:1	50 lb.	40	1/2" NPTF(f)	91 lb.

WARNING

Always consult a MATERIAL COMPATIBILITY CHART to ensure that the material being pumped and the cleaning product used for the pump are compatible with the material composition of the pump and hose.

Pumps

Class 5 & 6: Heavy and Extra-Heavy Semi-Fluids (Non-Measurable Viscosity)

Alemite Class 5 & 6 Pumps are designed to pump heavy and extra-heavy semi-fluids, including caulks, dehydrated glues, light putties, heavy sealers and plastic cements. Dynamic primer downtube extends below the pump cylinder to penetrate and work the material and to provide positive priming of the heaviest pumpable materials. All pumps recommended for dispensing and extruding applications; 7889-6 and 7889-C also recommended for spraying applications.



FEATURES:

- Air inlet: 3/4" NPTF(f)
- Material outlet: 1/2" NPTF(f)

7889-C

Product #	Wetted Material	Seal Material	Drum Size	Pump Ratio	Free Flow per min	Cycles per gal.	Material Outlet	Weight
7893-A	Carbon Steel	Buna	400 lb.	48:1	20 lb.	40	1/2" NPTF(f)	102 lb.
7889-6	Carbon Steel	Buna	400 lb.	40:1	3 gal.	97	1/2" NPTF(f)	92 lb.
7889-C	Carbon Steel	Buna	120 lb.	40:1	3 gal.	97	1/2" NPTF(f)	84 lb.

Recommended Accessories

Used with Pump	Single-Post Hoist *	Adapter Plate	Follower	Adapter
7893-A	2741-4, 2742-4, 2743-4	338019 (for 2741-4 or 2742-4)	327242 (use with 2742-4)	327247 (required for 327242)
7889-6	2741-4, 2742-4, 2743-4	322593 (for 2741-4 or 2742-4)	327242 (use with 2742-4)	N/A
7889-C	2742-4, 2743-4	322593 (for 2741-4 or 2742-4)	324610 (use with 2742-4)	327247 (required for 324610)

IMPORTANT INFORMATION

* See page 105-106 for hoists.



Pumps

Undercoating Pumps

Materials may be sprayed using air-atomizing or airless spray systems. Applications include the spraying of adhesives, roof coatings and hundreds of similar applications.



331571-C5

SPECIFICATIONS:

- Air inlet: 1/4" NPSI
- Material outlet: 3/8" NPTF(f)
- H-Pump air motor diameter: 2-7/16"

FEATURES:

- Double-toggle balances pressure on air valve trip mechanism to prevent binding or stalling
- Corrosion-resistant chrome finish on piston rods alleviates packing wear

Product #	Description	Drum Size	Pump Ratio	Delivery	Weight	Included Items
331571-A5	Stationary H-Pump	120 lb.	26:1	5.25 lb./min	34 lb.	N/A
331571-B5	Stationary H-Pump	400 lb.	26:1	5.25 lb./min	44 lb.	N/A
331571-C5	Stationary H-Pump	35 lb.	26:1	5.25 lb./min	29 lb.	N/A
8553-2	Portable H-Pump	35 lb.	26:1	5.25 lb./min	50 lb.	Cover (338166), 25' Hose (317875-25), Z-Swivel (B52752), Control Valve (6320-3)

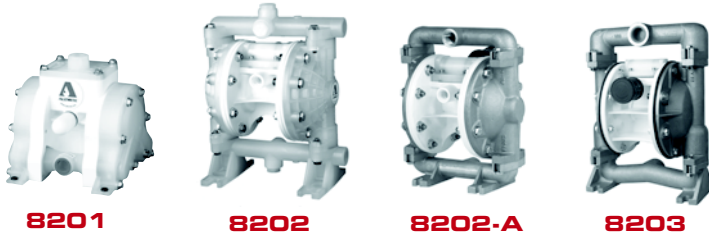
WARNING

Always consult a MATERIAL COMPATIBILITY CHART to ensure that the material being pumped and the cleaning product used for the pump are compatible with the material composition of the pump and hose.

Pumps

Diaphragm Pumps

Alemite Low-Pressure Diaphragm Pumps are designed for both high-volume transfer and dispensing a variety of low-viscosity fluids. These high-volume pumps transfer used oil to storage tanks quickly, and are designed to handle the abrasive materials that can be contained in used oil. All diaphragm pumps are equipped with an air connector and quick detach air coupler.



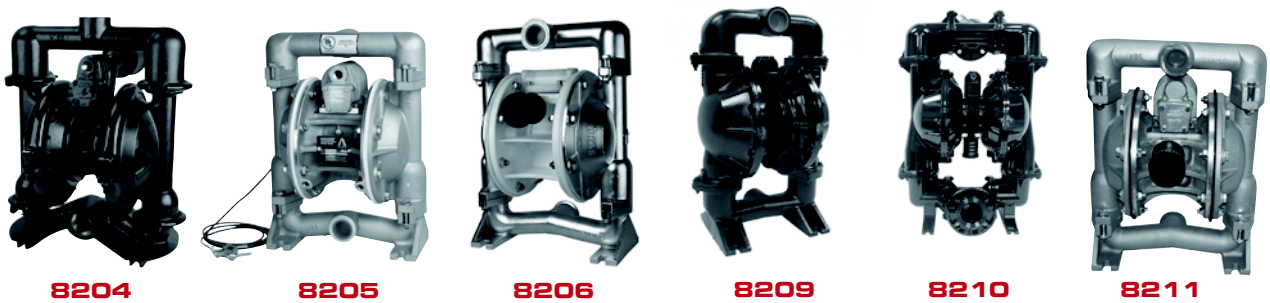
FEATURES:

- 3/8" models have an inlet and outlet that swivels, allowing installation in any position

RECOMMENDED ACCESSORIES:

- Air Hose (317803-3) p. 141
- Suction Hose Assembly (338777)
- Strainer (338685)

Product #	Description	Body Material	Diaphragm Material	Check Ball Material	Air Inlet	Material Inlet/Outlet	Delivery	Weight
8201	Mini Diaphragm Pump	Polypropylene	XL®TPE	XL®TPE	1/4"	3/8"	8.2 gpm	3 lb.
8208	Mini Diaphragm Pump	Polypropylene	Geolast	Geolast	1/4"	3/8"	8.2 gpm	3 lb.
8202	Diaphragm Pump	Polypropylene	Buna	Acetal	3/8"	1/2"	14 gpm	10 lb.
8202-A	Diaphragm Pump	Aluminum	Buna	Acetal	3/8"	1/2"	14 gpm	15 lb.
8203	Diaphragm Pump	Aluminum	Buna	Acetal	3/8"	1"	35 gpm	31 lb.
8204	Diaphragm Pump	Aluminum	Buna	Acetal	1/2"	1-1/2"	70 gpm	41 lb.
8205	UL-Listed Diaphragm Pump	Aluminum	Buna	Teflon®	3/8"	1"	35 gpm	31 lb.
8206	FDA-Approved Diaphragm Pump	316 Stainless Steel	Hytrel®/Teflon®	Teflon®	3/8"	1-1/2" Tri-Clamp	35 gpm	39 lb.
8207	UL - Listed Diaphragm Pump for methanol service	Aluminum	Teflon®	Teflon®	3/8"	1"	35 gpm	31 lb.
8209	Diaphragm Pump	Aluminum	Buna	Teflon®	1/2"	2" ANSI	155 gpm	74 lb.
8210	Diaphragm Pump	Aluminum	Buna	Teflon®	1/2"	3" ANSI	230 gpm	150 lb.
8211	Diaphragm Pump	Aluminum*	Buna	Acetal	3/8"	1"	35 gpm	33 lb.



IMPORTANT INFORMATION

* Includes aluminum center section.



Pumps

Electric Transfer Pumps

Alemite Electric Transfer Pumps offer a complete solution to transferring chemicals and other fluids from drums, tanks and totes. Packages are available with an electric motor, dountube, dispensing nozzle, 6 ft. of chemically resistant hose, barrel adapter, pump storage bracket and hose clamps. These pump packages offer the ideal solution for a wide variety of applications. Products may also be purchased individually.



340011

FEATURES:

- Designed to transfer a wide range of liquids from barrels and tanks
- Eliminates direct contact with aggressive chemicals
- Eliminates chemical splashing and spills
- Seal-less design – no seals to wear out or replace
- Empty a 55-gal. (200-ltr) drum in 90 seconds
- Lightweight and portable
- All pump tubes & motors are interchangeable
- Pump tube components are replaceable
- Max. viscosity is 1500 cps / 1500 mPAS
- Pump, motors and dountubes interchange with many competitors
- Pumps can “run dry” and against a closed valve without damage
- No mechanical seals
- 35 gpm

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340021

BATCH CONTROL SYSTEM

FEATURES:

- The transfer pump can be combined with a flow meter to accurately dispense liquids
- A dispensing nozzle is not required. The tube end is intended to be placed in the container
- Dispense preset volumes of liquid from drums, tanks and IBC
- Available in polypropylene and stainless steel
- Accuracy to $\pm 0.5\%$
- Control flow rate and volume
- LCD displays in 5 languages

Pumps

Electric Transfer Pumps

Packages

Product #	Description	Type	Motor Power	Weight
340011	Electric Pump Package	Polypropylene Nozzle & Downtube	115V	19 lb.
340012	Electric Pump Package	Polypropylene Nozzle & Downtube	230V	19 lb.
340013	Electric Pump Package	Aluminum Nozzle & Stainless Steel Downtube	115V	21 lb.
340014	Electric Pump Package	Aluminum Nozzle & Stainless Steel Downtube	230V	25 lb.
340021	Electric Pump Package with Batch Control System	Polypropylene Downtube	115V	19 lb.
340022	Electric Pump Package with Batch Control System	Stainless Steel Downtube	115V	23 lb.
340023	Electric Pump Package with Batch Control System	Polypropylene Downtube	230V	19 lb.
340024	Electric Pump Package with Batch Control System	Stainless Steel Downtube	230V	23 lb.

Motors

Product #	Description	Motor Power	Weight
340015	Open drip-proof (ODP)	115V	9 lb.
340016	Open drip-proof (ODP)	230V	9 lb.
340017	TEFC	115V	13 lb.
340018	TEFC	230V	13 lb.
340019	Hazardous duty, ATEX approved	230V	24 lb.
340025	Batch control motor	115V	15 lb.
340026	Batch control motor	230V	15 lb.

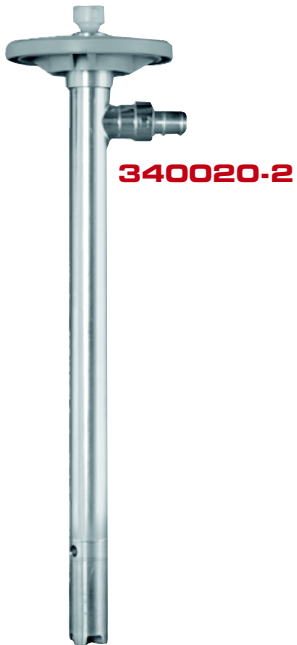
IMPORTANT INFORMATION

NOTE: Use ODP Motors for general purpose applications; use TEFC Motors where corrosive fumes are present; use Hazardous-Duty Motor for handling potentially flammable/explosive liquids; use Batch Control Motor for automated dispensing.



Pumps

Electric Transfer Pump Accessories



Downtubes

Product #	Type	Weight
340020-1	Polypropylene 39"	6.4 lb.
340020-2	Stainless Steel 39"	11 lb.
340020-3	PVDF 39"	7.8 lb.

Nozzles

Product #	Type	Weight
393766-1	Polypropylene	0.6 lb.
393766-2	Aluminum	2.3 lb.
393766-59	Stainless Steel	3.5 lb.



Bung Adapters

Product #	Type	Weight
393766-3	Polypropylene	0.1 lb.
393766-4	Stainless Steel	1 lb.



Wall Mounting Brackets

Product #	Description	Weight
393766-5	Wall mounting bracket	0.8 lb.

Hose Kits

Product #	Description	Weight
393766-6	Hose kit (includes hose clamps and 6 ft. of PVC tubing)	2 lb.
393766-10	Hose kit (includes hose clamps and 10 ft. of PVC tubing)	2.8 lb.
393766-12	Hose kit (includes hose clamps and 12 ft. of PVC tubing)	3 lb.

Pumps

Electric Transfer Pump Components & Parts



393766-7

Strainers/Clamps

Product #	Description	Type	Weight
393766-7	Strainer	Polypropylene	0.1 lb.
393766-8	Strainer	Stainless Steel	1 lb.
393766-9	Hose clamp	Stainless Steel	1 lb.

Batch Control System Components

Product #	Description
393766-11	Polypropylene flow chamber for batch control system, includes fittings
393766-14	Polypropylene flow chamber for batch control system, without fittings (order separately below)
393766-13	Control module only for batch control system
393766-15	Pump outlet fitting for batch control system
393766-16	Flow meter outlet fitting for batch control system
393766-17	Flow meter inlet fitting for batch control system
393766-18	Polypropylene check valve
393766-19	Hose barb fitting
393766-20	Polypropylene wing nut

Bushings

Bushings - Double Tap

Product #	Male	Female
338544	2" NPTF	1-1/2" NPTF



Pump Accessories

Pump Accessories include:	
Downtubes.....	100
Bearing Packers	101
Adapter Kit.....	101
Drum Covers	102
Follower Plates	103
Low-Level Grease Shutoff Valve.....	103
Strainers.....	104
Bung Adapters.....	104
Pump Hoists	105
Pump Hose Assemblies	107
Wall Brackets	107