



## ARO DIAPHRAGM PUMPS

	PD-03PARS-PAA	66605J-322	666100-3C9C
Pump Size	3/8"	1/2"	1"
GPM Max	10 GPM	13 GPM	35 GPM

Call for ARO air-operated diaphragm pumps not listed.



PD-03PARS-PAA



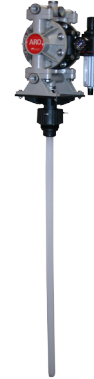
666100-3C9C

## 1:1 AIR-OPERATED TRANSFER PUMP

Fluid Compatibility: engine oils, hydraulic oil, gear oil, automatic transmission fluid, antifreeze and windshield washer solvent.

### TIM-734

Description	1:1 pump for 55-gallon drums
GPM Max	13 GPM



TIM-734

## DEF PUMPS

### DEF3-TM49N

**IBC Tank (Tote) 120-Volt Electric Pumping System with Timer**  
Includes 120-volt electric pump, DEF3-BKT stainless steel mounting bracket, DEF-22 digital meter, DEF-49 automatic stainless steel nozzle, 20' delivery hose and 4' suction hose

*Tote not included, order connectors and downtubes separately.*

### DEF6-TM49N

**IBC (Tote) Pumping System for Totes**  
Includes 12-volt electric pump with 6' cables, 2800 RPM, 18 amp, 7-9 GPM, 3/4" barbed outlet, DEF3-BKT stainless steel mounting bracket with nozzle holder, DEF-22 electronic meter (measures in gallons), DEF-49 automatic stainless steel nozzle, 20' delivery hose and one (1) 4' suction hose.

*Tote not included, order connectors and downtubes separately.*

### DEF-10

**IBC Tank (Tote) Air Operated Pumping System with Automatic Nozzle**  
Includes PD07P-APS-PAA 3/4" ARO diaphragm pump, TIM-463 heavy-duty tote-mounting bracket with nozzle holder, DEF-58 digital electronic metered control handle, 20' delivery hose and 4' suction hose.

*Tote not included, order connectors and downtubes separately.*

### DEF-1000

**Variable Speed 110-Volt DEF Pump**  
Includes 16' power cord, variable speed DEF stick pump, with 9.8' hose with polyethylene nozzle and 2" buttress / 2" NPT adapter, for container up to 45" in depth.



DEF-1000

## ARO THUNDER STUB OIL PUMPS

Fluid Compatibility: automatic transmission fluid, gear oil, hydraulic oil, motor oil and synthetic oil. Free Flow Rating: 9 GPM. Air Motor Diameter: 2".

	LM-2203A-C	LM-2305A-C
Description	<b>3:1 Stub Pump</b> Includes bung adapter, air coupler, air connector, 1/4" air inlet and 1/2" fluid outlet.	<b>5:1 Stub Pump</b> Includes bung adapter, air coupler, air connector, 1/4" air inlet and 1/2" fluid outlet.
GPM Max	9 GPM	9 GPM



LM-2203A-C

## ARO DRUM OIL PUMPS

<b>LM-2203A-31C</b>	3:1 Pump for 16-gallon drum (built-in check valve)
<b>LM-2203A-41C</b>	3:1 Pump for 55-gallon drum (built-in check valve)
<b>LM-2305A-31B</b>	5:1 Pump for 16-gallon drum (includes low-level cutoff)
<b>LM-2305A-41B</b>	5:1 Pump for 55-gallon drum (includes low-level cutoff)



LM-2305A-41B

## DRUM CARTS

**TIM-401** **Heavy-Duty Industrial Drum Cart**  
For use with 55-gallon or 400-pound drums. Solid polymer wheels for durability and maneuverability on rougher surfaces. Equipped with fixed front wheels and caster rear wheel with locking brake. The unit includes a drum fastening system and control handle storage slot.



TIM-401

**TIM-408** **3-Wheel Drum Cart**  
Includes hinged handle, swivel type front wheel and two (2) 6" diameter rubber rear wheels. Accommodates either 16-gallon or 120-pound drums.



TIM-408

## PORTABLE 55-GALLON AIR-OPERATED OIL DISPENSING CARTS

**TIM-730** **55-Gallon Air-Operated Portable Pumping System**  
Includes Thunder 3:1 ratio pump, bung adapter, siphon tube with quick disconnect camlock, check valve, suction hose, air coupler and connector, air filter/regulator and gauge, 8' delivery hose, TIM-601-FM quart digital metered control handle and heavy-duty three-wheel cart. Cart has two (2) pneumatic front wheels and one (1) rear wheel with wheel lock.

**TIM-732** **55-Gallon Air-Operated Diaphragm Pump System**  
Includes 66605J-322 1/2" diaphragm pump, siphon tube with quick disconnect camlock suction hose, air coupler and connector, air filter/regulator and gauge, 8' delivery hose, non-metered control handle and heavy-duty 3-wheel cart. Cart has two (2) pneumatic front wheels and one (1) rear wheel with wheel lock.

**TIM-733** **55-Gallon Air-Operated Diaphragm Pump System**  
Includes Thunder 3:1 pump, air filter/regulator with gauge, connecting hose, 1/2" x 25' oil reel package, digital metered control handle and heavy-duty 3-wheel cart.

**TIM-733-50** **55-Gallon Air-Operated Diaphragm Pump System**  
Includes Thunder 3:1 pump, air filter/regulator with gauge, connecting hose, 1/2" x 50' oil reel package, digital metered control handle and heavy-duty 3-wheel cart.



TIM-730  
(container not included)



TIM-732  
(container not included)



TIM-733-50  
(container not included)

## AIR-CHARGED OIL DISPENSER

**TIM-390-A1**

### Heavy-Duty "Pumpless" Metered Oil Dispenser

24-gallon capacity. Ideal for use as a synthetic oil dispenser. The unit must be filled with oil and then charged to 100 PSI. The air hose can then be disconnected and the unit will dispense oil remotely. Dispenses approximately 8 gallons on the first charge and the remaining 12 gallons on the second charge. Flow rate approximately 2 gallons per minute. Safety pop-off valve prevents over-pressurization. Includes wide-mouth filling funnel (not shown), 2608 air connector, air filter, built-in fluid gauge, 6' discharge hose and a quart digital metered control valve TIM-601-FM.

*Order 210 air coupler separately*



TIM-390-A1

## PORTABLE ELECTRIC OIL TRANSFER PUMP WITH FILTER

**TIM-307**

### Electric Oil Filter & Oil Transfer Cart

This filter cart is perfect for transferring oil and for decontaminating oil in bulk storage tanks. The oil is extracted using a 6' suction hose with an integrated inlet screen. The extracted oil is filtered through a 10 micron replaceable cartridge filter and then pumped back through a 6' discharge hose that has a 3' extension tube on the end. Unit has a pressure gauge installed on the filter head which indicates when the filter needs to be replaced. Pump requires 115 VAC and is rated at 8 gallons per minute. Replacement filter number TIM-307-FIL.

*Replacement filter TIM-307-FIL can be sold separately for TIM-307*



TIM-307

## IBC TANK (TOTE) AIR-OPERATED PUMPING SYSTEMS

Tote packages for lubricants. Complete kits include mounting bracket for easy installation and removal. The vented fill cap facilitates the refill of the tote.

### 3:1 Packages

#### RPM-3-TM1

##### Lube Equipment Package for Tote Tank

Includes LM2203A-11-C 3:1 ratio pump, air coupler, air connector, P-39224-624 air filter/regulator with gauge, AIR-HP1414-5 5' air connecting hose, TIM-MTL75-37 suction tube, TIM-196-C inlet check valve, TIM-464-A tote mounting bracket, TIM-3628-50 1/2" x 50' oil reel package, TIM-601-FM digital metered control handle, TIM-4418-2NS 2' oil connecting hose, TIM-178 fluid coupler and TIM-179 fluid connector.

#### RPM-3-TM2

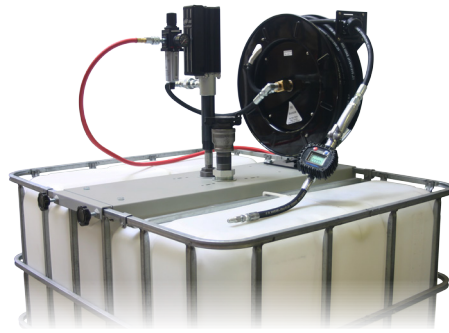
##### Lube Equipment Package for Tote Tank

Includes LM2203A-11-C 3:1 ratio pump, air coupler, air connector, P-39224-624 air filter/regulator with gauge, AIR-HP1414-5 5' air connecting hose, TIM-MTL75-37 suction tube, TIM-196-C inlet check valve, TIM-464-A tote mounting bracket, TIM-3628-50 1/2" x 50' oil reel package, TIM-900B-1 preset digital metered control handle, TIM-4418-2NS 2' oil connecting hose, TIM-178 fluid coupler and TIM-179 fluid connector.

#### RPM-3-TM3

##### Lube Equipment Package for Tote Tank

Includes LM2203A-11-C 3:1 ratio pump, air coupler, air connector, P-39224-624 air filter/regulator with gauge, AIR-HP1414-5 5' air connecting hose, TIM-MTL75-37 suction tube, TIM-196-C inlet check valve, TIM-464-A tote mounting bracket, TIM-3628-50 1/2" x 50' oil reel package, TIM-762 non-metered control handle, TIM-4418-2NS 2' oil connecting hose, TIM-178 fluid coupler and TIM-179 fluid connector.



RPM-3-TM1

## HOSE REELS

	TIM-3616-50A	TIM-3616-65*	TIM-3628-50	TIM-3636-50
Used For	Air, Water, WWS	Air, Water, WWS	Oil, ATF, A/F	Grease
Hose Size	3/8"(M) x 50'	3/8"(M) x 65'	1/2"(M) x 50'	3/8"(M) x 50'
Max PSI	300	300	2,000	4,000
Delivery Hose	TIM-4216-50F	TIM-4216-65F	TIM-4418-50S	TIM-4506-50S
Hose Stop	TIM-131-3	TIM-131-3	TIM-131-4	TIM-131-3
Inlet/Outlet Size	3/8"(F)	3/8"(F)	1/2"(F)	3/8"(F)
Weight	49 lbs	53 lbs	55 lbs	60 lbs

\* These reels are equipped with a special factory-balanced spring designed specifically for 65' hose.



TIM-3616-50

# ARO THUNDER 50:1 STATIONARY GREASE PUMPS



	LP-3002-1	LP-3005-1	LP-3009-1
Size	120 pounds	400 pounds	400 pounds
Bare Pump	LM-2350E-31B	LM-2350E-41B	LM-2350E-41B
Drum Cover	TIM-451-1	TIM-369	TIM-369
Follower Plate	TIM-366	--	TIM-640015-1
Material Hose	TIM-4516-4	TIM-4516-4	TIM-4516-4
Air Hose	AIR-HP1414-3	AIR-HP1414-3	AIR-HP1414-3
Z-Swivel	--	--	--
Control Handle	--	--	--

All pumps include bung adapter 67145-2. For weather tight applications, order seal kit 67088 separately. Order 210 coupler, 2608 connector and P-39224-624 filter/regulator/gauge separately.

## PORTABLE GREASE PUMP PACKAGES

### 2" Diameter Air Motor

	LP2002-1-B	LP2006-1-B	LP2006-1-ALC
Size	35 pounds	120 pounds	120 pounds
Bare Pump	LM2250E-21-B	LM2250E-31-B	LM2250E-31-B
Drum Cover	TIM-367-1	TIM-451-1	TIM-451-1
Follower Plate	TIM-368	TIM-366	TIM-366
Material Hose	TIM-4514-10	TIM-4514-10	TIM-4514-10
Z-Swivel	TIM-111-1	TIM-111-1	TIM-111-1
Control Handle	TIM-794	TIM-794	TIM-794
Dolly/Cart	--	TIM-358	TIM-408

### 3" Diameter Air Motor

	LP3001-1	LP3003-1	LP3004-1	LP3004-1-ALC	LP3005-1-ALC
Size	35 pounds	120 pounds	120 pounds	120 pounds	400 pounds
Bare Pump	LM2350E-21-B	LM2350E-31-B	LM2350E-31-B	LM2350E-31-B	LM2350E-41B
Drum Cover	TIM-367-1	TIM-451-1	TIM-451-1	TIM-451-1	TIM-369
Follower Plate	TIM-368	TIM-366	TIM-366	TIM-366	TIM-640015-1
Material Hose	TIM-4514-10	TIM-4514-10	TIM-4514-10	TIM-4514-10	TIM-4514-10
Z-Swivel	TIM-111-1	TIM-111-1	TIM-111-1	TIM-111-1	TIM-111-1
Control Handle	TIM-794	TIM-795-1	TIM-794	TIM-794	TIM-794
Dolly/Cart	--	TIM-358	TIM-358	TIM-408	TIM-401

All pumps include bung adapter 67145-2. For weather tight applications, order seal kit 67088 separately. Order 210 coupler, 2608 connector and P-39224-624 filter/regulator/gauge separately.



LP2002-1B

LP2004-1-B

LP2006-1-B

LP2006-1-ALC

LP3005-1-ALC

## SELF-EVACUATING WASTE OIL DRAINS

### TIM-317-A

#### Self-Evacuating "Pumpless" Waste Oil Drain

Uses standard shop air set at 8 PSI to evacuate the drain into a waste oil holding tank. 24-gallon steel tank for use with used oils. Safety pop-off valve prevents over pressurization. Includes removable storage tray, built-in fluid gauge, 7' discharge hose with curved nozzle and manual shut-off valve, articulating 15-3/4" diameter metal drain bowl (TIM-317-37C) with oil filter draining screen and 24" removable plastic drain bowl expansion funnel (TIM-317-39). Stem adjusts 51" to 78". Powder-coated black paint. Assembly required.

Order 2608 air connector and 210 air coupler separately

### TIM-317-CAM

#### Self-Evacuating "Pumpless" Waste Oil Drain

Uses standard shop air set at 8 PSI to evacuate the drain into a waste oil holding tank. 24-gallon steel tank for use with used oils. Safety pop-off valve prevents over pressurization. Includes removable storage tray, built-in fluid gauge, 6' discharge hose with camlock connector and manual shut-off valve, articulating 15-3/4" diameter metal drain bowl with oil filter draining screen and 24" removable plastic drain bowl expansion funnel. Stem adjusts 51" to 78". Powder-coated black paint. Assembly required.

This unit is designed to work in conjunction with TIM-CONV-CAM conversion hose kit and TIM-370-3M overflow alarm which must be ordered separately

### TIM-CONV-CAM

#### Hose Kit

Facilitates the connection between the TIM-317-CAM self-evacuating waste oil drain and the waste oil tank. The kit contains a 3/4" x 10' oil evacuation hose, 3/4" camlock coupler, air coupler, 1/4" x 12' recoil air hose (for connection to the TIM-370-2M overflow alarm) and a poster with operating instructions for the TIM-317-CAM drain.



TIM-317-A

## 24-GALLON CONVENTIONAL WASTE OIL DRAIN

### TIM-315-COMP2

#### Large Capacity Waste Oil Drain

24-gallon (90 liter) steel waste oil drain for use with waste oil evacuation pumps. Holds 50% more waste oil than standard 16-gallon drum-mounted waste oil drains. Unit has an articulating 15-3/4" diameter metal drain bowl with an oil filter draining screen and a 24" removable plastic drain bowl expansion funnel. Single piece holding tank prevents oil leaks commonly associated with waste oil drains that use 16-gallon drums. Includes removable storage tray, built-in fluid gauge and 3/4" fluid quick disconnect (TIM-181). Designed to work with 612999-4 and 612999-5 waste oil evacuation systems. Stem adjusts 48-1/2" to 76". Powder-coated black paint.

Replaces TIM-315-A and TIM-315-1A waste oil drains

Assembly required

## DIAPHRAGM PUMP WASTE OIL PACKAGES

### 612999-4\*

#### Waste Oil Evacuation System

Includes 666100-362-C 1" diaphragm pump, TIM-461-A wall mount bracket, 612999-4H 1" pump inlet hose assembly, 628067-3 1" pump outlet hose assembly, P-39224-624 air line filter/regulator/gauge, AIR-HP1414-3 1/4" air line hose, TIM-180 fluid coupler and TIM-250-BV air valve

### 612999-5\*

Includes 66605J-322 1/2" diaphragm pump, TIM-461-A wall mount bracket, 612999-5H 3/4" pump inlet hose assembly, TIM-4418-5 1/2" pump outlet hose assembly, P-39224-624 air line filter/regulator/gauge, AIR-HP1414-3 1/4" air line hose and TIM-180 fluid coupler

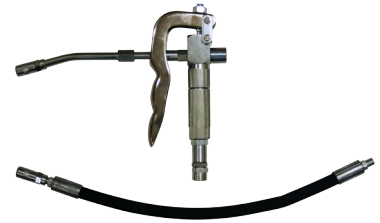
\* Only ARO pumps are covered by the ARO 5-Year Warranty, all other components are covered by standard American Lubrication warranty. For more warranty information, visit page 102.



612999-4

## GREASE CONTROL HANDLES

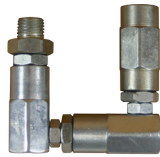
	TIM-794	TIM-795-1
Description	Standard Grease Control Handle Includes 18" whip hose and coupler	Heavy-Duty Booster Grease Control Handle Built-in pressure booster to break loose tough fittings. Includes pressure relief valve for easy disconnect.
Inlet Threads	1/4"(F)	1/4"(F)
Max Inlet PSI	7,500	7,500



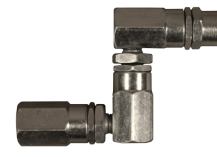
TIM-794

## GREASE Z-SWIVELS

	TIM-111-1	TIM-113	TIM-115
Thread Size	1/4"(M) x 1/4"(F)	3/8"(F) x 1/4"(M)	1/8"(F) x 3/8"(F)
Max PSI	6,000	6,000	6,000
Use With	Existing Balcrank or Graco grease systems	TIM-794, TIM-795 and ALEC 3/8" ID grease hoses	ARO grease system with 3/8" grease hose



TIM-111-1



TIM-115

## DIGITAL METERED OIL CONTROL HANDLES

	TIM-601-FM	TIM-601-RM	TIM-900B-1	TIM-901B-HF
Metered Units	Pts/Qts/Lts/Gals	Pts/Qts/Lts/Gals	Pts/Qts/Lts/Gals	Pts/Qts/Lts/Gals
Totalizer Units	Lts/Gals	Lts/Gals	Lts/Gals	Lts/Gals
Tip Assembly	TIM-743	TIM-753	TIM-758-1	TIM-755-1
Tip Assembly Description	Flex Manual	Rigid Manual	Rigid Automatic	Flex Manual High Flow
Tip Diameter	5/8"	1/2"	1/2"	15/16"
Working Flow	2.5 GPM	2.5 GPM	2.5 GPM	4.0 GPM



TIM-900B-1

## NON-METERED OIL CONTROL HANDLES

	TIM-761-TGM	TIM-762-TG	TIM-48-S
Metered Units	--	--	--
Totalizer Units	--	--	--
Tip Assembly	TIM-753	TIM-743	--
Tip Assembly Description	Rigid Manual	Flex Manual	Rigid Semi-Automatic
Tip Diameter	1/2"	5/8"	1"
Working Flow	2.5 GPM	2.5 GPM	16 GPM
Fluid Inlet	1/2"(F)	1/2"(F)	3/4"(F)



TIM-48-S



## HAND-OPERATED DRUM PUMPS



**TIM-74**



**TIM-75**



**TIM-77**



**TIM-79-SS**

Container Size	16 to 55-Gallon Drums	16 to 55-Gallon Drums	16 to 55-Gallon Drums	16 to 55-Gallon Drums
Fluid Compatibility	Oils & Antifreeze	Oils & Non-Corrosive Fluids	Oils & Non-Corrosive Fluids	Antifreeze, Strong Chemicals & Solvents that are compatible with the materials used in the body & downtube of the pump
Downtube Type	Adjustable Bung Adapter	Steel Telescoping 18" to 34.5"	Telescoping 18" to 34.5"	Nylon/Stainless Steel
Body Material	Cast Iron	Aluminum	Aluminum	Nylon & Stainless Steel with Teflon® Seals. Bung adapter is made of polypropylene.
Pump Type	Rotary	Lever	Lever	Vertical Pull
Discharge	Spout with 3/4"(M)	Twisting Non-Drip Spout	Twisting Non-Drip Spout	Twisting Non-Drip Spout
Delivery	1 Gallon per 12 Revolutions	12 Ounces per Stroke	16 Ounces per Stroke	8 Ounces per Stroke

## BATTERY-POWERED GREASE GUN

**4155-1BLI**

### Professional 18-Volt Grease Gun

Powered by 18-volt rechargeable battery and generates up to 7,000 PSI. Includes molded storage case, nylon carrying strap, 42" flexible grease hose with dual spring guards and one-hour quick charger. High powered 18-volt battery enables this gun to deliver great flow and high pressure.

**4155-2BLI**

### Professional 18V Grease Gun

Same as 4155-1BLI except with spare 18-volt rechargeable battery.



4155-1BLI

## HAND-OPERATED GREASE GUNS

4110

### Deluxe Heavy-Duty Grease Gun

10,000 PSI rated. Aluminum head. Delivers 1 ounce in 23 strokes, 3-way loader capability (loader fitting included). Full pressure on variable or short strokes for controlled grease output and easy operation in tight quarters. Takes standard 14-1/2 ounce cartridge and has a 16 ounce bulk fill capacity. Gun comes with rugged plastic handle grip, loader fitting, air release valve, hydraulic coupler with ball check and rigid extension. Packaged in a 4-color POP box. Compare to Alemite 500.

*For case quantities order part number 4110-10*

4111

### Deluxe Heavy-Duty Grease Gun with 18" Hose

Same as 4110 but also includes: TIM-4321 18" rubber flex hose. Packaged in a 4-color POP box. Compare to Alemite 500E.

*For case quantities order part number 4111-10.*

4120

### Industrial Hi-Flow Heavy-Duty Grease Gun

Generates 10,000 PSI, cast aluminum pump head. Delivers 1 ounce in 9 strokes twice the volume per stroke when compared to the best variable stroke guns, 3-way loader capability (loader fitting included). Full pressure on variable or short strokes for controlled grease output and easy operation in tight quarters. Comes with rugged plastic handle grip, loader fitting, air release valve, heavy-duty hydraulic coupler with ball check and rigid extension.

4130

### Deluxe Heavy-Duty Pistol Grip Grease Gun

6,000 PSI rated. Gun features unique 2-outlet port design which allows the hose or rigid extension to be mounted on the side or the top of the grease gun head. Aluminum head, 3-way loader capability (loader fitting included). Takes standard 14-1/2 ounce cartridge and has a 16 ounce bulk fill capacity. Gun comes with loader fitting, air release valve, hydraulic coupler with ball check and rigid extension. Packaged in a 4-color POP box. Compare to Alemite 525 & Lincoln 1132.

*For case quantities order part number 4130-10.*

4131

### Deluxe Heavy-Duty Pistol Grip Grease Gun with 18" Hose

Same as 4130 but also includes: TIM-4321 18" rubber flex hose. Packaged in a 4-color POP box. Compare to Alemite 550 & Lincoln 1133.

*For case quantities order part number 4131-10.*



4110



4120



4130

## 35-POUND HAND-OPERATED GREASE PUMP

TIM-83-KM

### 35-Pound Hand-Operated Grease Pump

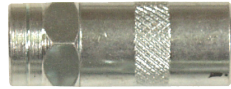
Delivers up to 5,000 PSI. Includes drum cover, tapered follower plate, 1/4" x 5' delivery hose, narrow diameter grease coupler and carrying handle.



TIM-83-KM

## HYDRAULIC & BUTTONHEAD GREASE COUPLERS

	TIM-100	TIM-101	TIM-106	TIM-107
Size	Narrow diameter	Standard diameter	Standard buttonhead	Giant buttonhead
Thread Size	1/8"(F)	1/8"(F)	1/8"(F)	1/8"(F)
Type	Ball check	Ball check	Pull on	Pull on
Max PSI	10,000	10,000	4,000	4,000



TIM-100



TIM-106

## HAND GREASE GUN WHIP HOSES

<b>TIM-4320</b>	<b>12" Whip Hose</b> 12" flex hose. Coupled 1/8" NPT (M). 3,000 PSI maximum working pressure.
<b>TIM-4320-TP*</b>	<b>12" Whip Hose</b> 12" standard duty thermoplastic hose for hand operated grease guns. Coupled 1/8" NPT (M). 3,000 PSI maximum working pressure.
<b>TIM-4321</b>	<b>18" Whip Hose</b> 18" rubber hose. Coupled 1/8" NPT (M). 3,000 PSI maximum working pressure.
<b>TIM-4321-TP*</b>	<b>18" Whip Hose</b> 18" standard duty thermoplastic hose for hand operated grease guns. Coupled 1/8" NPT (M). 3,000 PSI maximum working pressure.
<b>TIM-4322*</b>	<b>24" Whip Hose</b> 24" rubber flex hose. Coupled 1/8" NPT (M). 3,000 PSI maximum working pressure.
<b>TIM-4323*</b>	<b>36" Whip Hose</b> 36" rubber flex hose. Coupled 1/8" NPT (M). 3,000 PSI maximum working pressure.



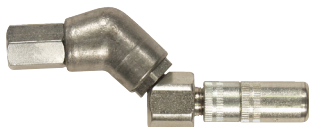
TIM-4320

\* **WARNING:** For use on hand-operated grease guns only.

## HYDRAULIC GREASE ADAPTERS

<b>TIM-124*</b>	<b>360° Adjustable-Angle Standard Diameter Coupler</b> Locks in place at 60° increments. Inlet thread 1/8" NPT (F). Overall length 3". 7,000 PSI maximum working pressure.
<b>TIM-126-1*</b>	<b>High-Pressure Needle Point Grease Adapter</b> Connects to grease coupler via included locking sleeve adapter. Overall length 5-1/2".
<b>4412*</b>	<b>"Push-On" Grease Fitting Adapter</b> Allows for easy greasing of standard grease fittings where access is limited or in low-height areas. Connects to grease coupler via included locking sleeve adapter.

\* **WARNING:** For use on hand-operated grease guns only.



TIM-124



TIM-126-1

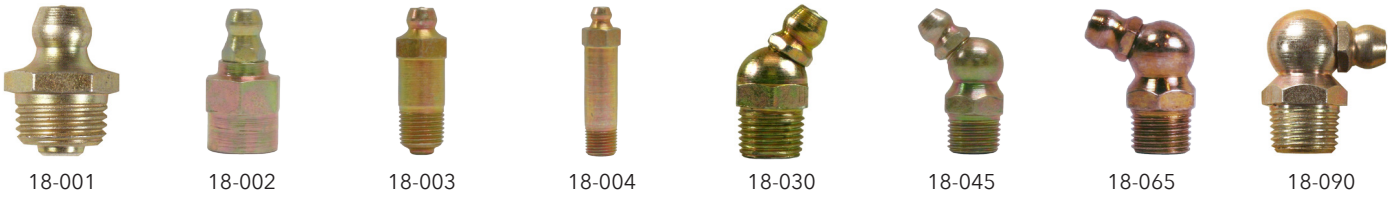


4412

## GREASE FITTINGS

American Lubrication fittings are sold in bags of 100 pieces. American Lubrication has one of the largest standing inventories of U.S. thread, metric thread, thread-forming, drive and stainless steel grease fittings. Our extensive offering of fittings covers virtually every automotive, agricultural, industrial, marine and lawn and garden application. For fittings not listed please call.

### 1/8" PTF GREASE FITTINGS



	18-001	18-002	18-003	18-004
Type	Straight	Straight	Straight	Straight
Thread Size	1/8"	1/8"(F)	1/8"	1/8"
Length	.62"	1.00"	1.25"	1.77"

	18-030	18-045	18-065	18-090
Type	30°	45°	65°	90°
Thread Size	1/8"	1/8"	1/8"	1/8"
Length	.91"	.98"	.88"	.82"

### 1/4"-28 GREASE FITTINGS



	14-28001	14-28002	14-28003	14-28004
Type	Straight	Straight	Straight	Straight
Thread Size	1/4"-28	1/4"-28	1/4"-28	1/4"-28
Length	.54"	.69"	.93"	1.08"

	14-28045	14-28046	14-28090	14-28UNF
Type	45°	45°	90°	Straight
Thread Size	1/4"-28	1/4"-28	1/4"-28	1/4"-28 UNF
Length	.88"	.97"	.69"	.49"

### 1/4" PTF GREASE FITTINGS

	14-001	14-067
Type	Straight	67-1/2"
Thread Size	1/4"	1/4"
Length	.80"	.96"

## BUTTONHEAD GREASE FITTINGS

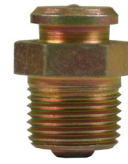
All buttonhead fittings are straight fittings with a maximum pressure rating of 6,000 PSI. Standard buttonhead fittings are 5/8" diameter.



BH-18



BH-14



BH-38

	BH-18	BH-14	BH-38
Type	Standard	Standard	Standard
Thread Size	1/8"	1/4"	3/8"
Length	.76"	.83"	.98"

## GREASE FITTING ASSORTMENTS

**4450**

### 110 Piece Standard Grease Fitting Assortment

Includes forty (40) 14-28001, ten (10) 14-28045, ten (10) 14-28090, twenty (20) 18-001, ten (10) 18-045, ten (10) 18-065, and ten (10) 18-090

**4451**

### 110 Piece Metric Grease Fitting Assortment

Includes forty (40) M6-001, five (5) M6-045, five (5) M6-090, twenty (20) M8-001, five (5) M8-045, five (5) M8-090, twenty (20) M10-001, five (5) M10-045, and five (5) M10-090

**4452**

### 55 Piece Stainless Steel Grease Fitting Assortment

Includes twenty (20) 777-142801, five (5) 777-142845, five (5) 777-142890, ten (10) 777-1801, five (5) 777-1845, five (5) 777-1890, and five (5) 777-1401



4450

## ARO-STYLE AIR COUPLERS AND CONNECTORS

**210**

"Push to Connect" Air Coupler - 1/4" NPT (F), 1/4" capacity

**2608**

Air Connector - 1/4" NPT (M), 1/4" capacity

**2609**

Air Connector - 1/4" NPT (F), 1/4" capacity

**MSCF22-000**

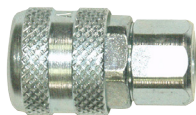
Industrial Interchange Style "Push to Connect" Air Coupler - 1/4" (F), 1/4" capacity

**23902-210**

Industrial Interchange Style Air Connector - 1/4" NPT (M), 1/4" capacity

**23902-200**

Industrial Interchange Style Air Connector - 1/4" NPT (F), 1/4" capacity



210



2608



MSCF22-000

## METRIC THREAD GREASE FITTINGS



	<b>M6-001</b>	<b>M6-045</b>	<b>M6-090</b>	<b>M8-001</b>	<b>M8-045</b>
Type	Straight	45°	90°	Straight	45°
Thread Size	M6 x 1	M6 x 1	M6 x 1	M8 x 1	M8 x 1
Length	.53"	.89"	.71"	.59"	.88"

	<b>M8-090</b>	<b>M10-001</b>	<b>M10-045</b>	<b>M10-090</b>
Type	90°	Straight	45°	90°
Thread Size	M8 x 1	M10 x 1	M10 x 1	M10 x 1
Length	.70"	.60"	.93"	.75"

## STAINLESS STEEL GREASE FITTINGS

Stainless steel grease fittings are designed to be used in harsh and highly corrosive environments. Stainless steel grease fittings use 303 stainless steel on the body and head, stainless steel stress relieving spring and a stainless steel ball. All stainless steel fittings have a single notch identification mark on the hexagonal corners.



	<b>777-142801</b>	<b>777-142845</b>	<b>777-142890</b>	<b>777-1801</b>	<b>777-1845</b>
Type	Straight	45°	90°	Straight	45°
Thread Size	1/4"-28	1/4"-28	1/4"-28	1/8"	1/8"
Length	.54"	.88"	.69"	.62"	.99"

	<b>777-1890</b>	<b>777-1401</b>	<b>777-DR14</b>	<b>777-DR316</b>
Type	90°	Straight	Straight	Straight
Thread Size	1/8"	1/4"	1/4" Drive	3/16" Drive
Length	.82"	.82"	.5"	.5"

## AIR FILTERS

	F-100	F35121-421	F35221-411	F35231-411	F35331-410
Thread Size	1/4"	1/4"	1/4"	3/8"	3/8"
Series	ALEC	1000	1500	1500	2000
Drain Type	Automatic	Automatic	Automatic	Automatic	Manual
Bowl Type	Metal	Metal	Metal	Metal	Metal
Air Flow	20 CFM	49 CFM	73 CFM	107 CFM	156 CFM
	F35341-400	F35341-410	F35351-411	F35451-410	
Thread Size	1/2"	1/2"	3/4"	3/4"	
Series	2000	2000	2000	3000	
Drain Type	Manual	Manual	Automatic	Manual	
Bowl Type	Polycarbonate	Metal	Metal	Metal	
Air Flow	197 CFM	197 CFM	216 CFM	288 CFM	



F35341-400

## AIR REGULATORS

	R37121-100	R37221-100	R37221-200	R-37221-600T	R37231-600
Thread Size	1/4"	1/4"	1/4"	3/8"	3/8"
Series	1000	1500	1500	1500	1500
Pressure Range	0 to 140 PSI	0 to 140 PSI	0 to 140 PSI	0 to 140 PSI	0 to 140 PSI
Gauge Included	No*	No*	No*	Yes	Yes
Air Flow	59 CFM	86 CFM	86 CFM	86 CFM	113 CFM
	R37331-600	R37341-100	R37341-600	R37351-100	
Thread Size	1/2"	1/2"	1/2"	3/4"	
Series	2000	2000	2000	2000	
Pressure Range	0 to 140 PSI	0 to 140 PSI	0 to 140 PSI	0 to 140 PSI	
Gauge Included	Yes	No*	Yes	No*	
Air Flow	179 CFM	215 CFM	215 CFM	210 CFM	



R37331-600

\* For gauge selection see page 81

## AIR LUBRICATORS

	L36121-100	L36221-110	L36331-110	L36341-110	L36351-110
Thread Size	1/4"	1/4"	3/4"	1/2"	3/4"
Series	1000	1500	2000	2000	2000
Bowl Capacity	0.7 oz.	0 to 140 PSI	0 to 140 PSI	0 to 140 PSI	0 to 140 PSI
Bowl Type	Metal*	Metal*	Metal*	Metal*	Metal*
Air Flow	57 CFM	51 CFM	85 CFM	156 CFM	222 CFM

\* Metal bowl with sight gauge



L36341-110

## LUBRICATING OIL



### 29665

#### Lubricating Oil

ARO lubricating oil is recommended for use with pneumatic power tools, motors, valves, cylinders and hoists. It is specially formulated for use in air line lubricators. Proper, regular lubrication helps ensure longer, trouble-free operation by reducing wear; saves power and cuts equipment maintenance costs. ARO lubricating oil is available in 1-quart containers and may be ordered by specifying part number 29665 (one [1] 1-quart container).

**NOTE:** There are twelve (12) 1-quart containers per case. **Viscosity:** 100-200 S.S.U. @ 100°F (38°C) minimum aniline point of 200°F (93°C) **Class:** II Lubricant. **Approximate SAE No:** Light SAE 10, non-detergent

## AIR FILTER/REGULATOR & GAUGE ASSEMBLIES

# ARO

**IR** Ingersoll Rand  
Industrial Technologies

	<b>P39124-124*</b>	<b>P-39124-624**</b>	<b>P-39224-624**</b>
Thread Size	1/4"	1/4"	1/4"
Series	1000	1000	1500
Drain Type	Automatic	Automatic	Automatic
Bowl Type	Metal	Metal	Metal
Air Flow	47 CFM	47 CFM	72 CFM
	<b>P39234-614</b>	<b>P39344-614</b>	<b>P39354-614</b>
Thread Size	3/8"	1/2"	3/4"
Series	1500	2000	2000
Drain Type	Automatic	Automatic	Automatic
Bowl Type	Metal	Metal	Metal
Air Flow	90 CFM	172 CFM	173 CFM



P-39224-624

\* Does not include gauge

\*\* This item also available in a 25 or more bulk pricing

## FILTER/REGULATOR/LUBRICATOR ASSEMBLIES

	<b>C38121-801*</b>	<b>C38221-810*</b>	<b>C38221-811*</b>
Thread Size	1/4"	1/4"	1/4"
Series	1000	1500	1500
Drain Type	Automatic	Manual	Automatic
Bowl Type	Polycarbonate	Metal	Metal
Air Flow	46 CFM	61 CFM	61 CFM
	<b>C38331-811*</b>	<b>C38341-810*</b>	<b>C38351-811*</b>
Thread Size	3/8"	1/2"	3/4"
Series	2000	2000	2000
Drain Type	Automatic	Manual	Automatic
Bowl Type	Metal	Metal	Metal
Air Flow	99 CFM	150 CFM	171 CFM



C38351-811

\* All models include built-in air gauge and sight gauge

## AIR GAUGES

	<b>TIM-220</b>	<b>TIM-221</b>
Thread Size	1/8"(M)	1/4"(M)
Series Used On	1000, 1500 & ALEC	1500, 2000 & 3000
Porting	Back	Back
Gauge Range	0 to 160 PSI	0 to 160 PSI
Gauge Diameter	1.5"	2"



TIM-220

## AIR SYSTEM PIPE NIPPLES

	<b>TIM-212-1</b>	<b>Y-27-53C</b>	<b>Y-27-54C</b>	<b>Y-27-55C</b>
Thread Size	1/4"(M) x (M)	3/8"(M) x (M)	1/2"(M) x (M)	3/4"(M) x (M)
Used On	1/4" Components	3/8" Components	1/2" Components	3/4" Components



Y-27-54C