

Accu-Lube®

**INDUSTRY LEADER IN MANUFACTURING
LUBRICANTS AND EQUIPMENT FOR
MINIMUM QUANTITY LUBRICATION (MQL)**



**General Purpose • Heavy Duty Machining • Specialized Machining
Hand-Applied Lubricants • Minimum Quantity Lubrication (MQL) Delivery Systems
Accessories • Repair/Replacement Part Kits**

800.864.2660 | WWW.AM-IND.COM



Headquarters & NJ Sales Office
Rahway, NJ
800.864.2660

New England Regional Office
West Lebanon, NH
800.225.6711

Northern NJ Regional Office
Fair Lawn, NJ
800.622.1363

CT Regional Office
Middletown, CT
800.771.1233

PA Regional Office
Stroudsburg, PA
855.207.0400



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Accu-Lube®

HISTORY OF EXCELLENCE

FOUNDED 1979

Accu-Lube® has been the industry leader in manufacturing lubricants and equipment for Minimum Quantity Lubrication (MQL). Today, Accu-Lube® continues to be at the forefront of near-dry machining through our dedication to innovation, safety and service.

COMMITTED TO RESPONSIBLE MANUFACTURING

Accu-Lube® manufactures a complete line of environmentally safe metalworking lubricants using renewable raw materials. These fluids are specially formulated to provide superior performance and economy while helping to keep the planet safe from industrial contaminants by getting rid of the toxins required in flood coolant and eliminating harmful waste. Our mission is to help customers create cleaner, safer, greener facilities with our non-toxic, biodegradable lubricants that are second to none in performance, quality and value.

QUALITY OVER QUANTITY

“A little lubricant is the big difference between dry machining and Near-Dry Machining”

With dry machining there is no lubricant to protect the part and tool, no barrier to reduce heat build-up, no means to prolong tool life. These problems are eliminated in near-dry machining with minimum quantity lubrication and precision application of lubricant droplets to the tool's cutting edge.

Accu-Lube® Minimum Quantity Lubrication applicator systems use advanced technology to focus droplets of lubricant directly onto the tool's cutting edge, providing lubrication and protection precisely where it is needed. Our minimum quantity approach allows manufacturers to conserve fluid and cut down on waste. With a small amount of our premium lubricant, tools last longer and parts come out cleaner. By eliminating flood coolant, shops stay clean and fluid maintenance is a thing of the past.

This is Near-Dry Machining.



#1 PRODUCT FOR 20 YEARS

LB-2000 General Purpose MQL

FEATURES

- Moderate to heavy-duty
- Vegetable-based, biodegradable lubricant
- For ferrous & nonferrous metals, aluminum and titanium
- Clean before heat treating with soap and water

APPLICATIONS

- General machining, sawing and cutting
- Drilling & tapping small holes
- Sawing large diameter solids
- Large diameter tapping
- Broaching & spline rolling

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB2000	1 gal	jug	4
LB2055	55 gal	drum	1

Most light & moderate duty work, including: milling, cutting, tapping & drilling.



LB-3000 General Purpose MQL

FEATURES

- Moderate-duty
- Vegetable-based, biodegradable lubricant
- For ferrous & nonferrous metals, aluminum and titanium
- Clean before heat treating with soap and water

APPLICATIONS

- General machining and sawing
- Replacement for "mist" type lubricant and coolant
- Lumber & wood cutting applications

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB3000	1 gal	jug	4
LB3055	55 gal	drum	1

Synthetic II General Purpose MQL

FEATURES

- Moderate-duty near-dry stamping and machining
- Economical, water-based, synthetic lubricant
- Boron free with superior lubricity, provides excellent corrosion protection
- For ferrous & nonferrous metals and aluminum
- Clean before heat treating with rinse water

APPLICATIONS

- Stamping
- General machining, sawing and cutting

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LBSY201	1 gal	jug	4
LBSY255	55 gal	drum	1

GENERAL PURPOSE (NON-STAINING)



LB-6000
Light Viscosity MQL

FEATURES

- Moderate to heavy-duty
- Vegetable-based, biodegradable lubricant
- Non-staining, burns off cleanly in post heat treating
- For ferrous & nonferrous metals, aluminum and titanium

APPLICATIONS

- Moderate-duty machining, cutting and sawing, milling, drilling, tapping and punching
- Replacing “mist” type lubricant and coolant
- Aluminum applications with post-heat treating
- Thru-tool applications

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB6000	1 gal	jug	4
LB6055	55 gal	drum	1

Most light & moderate duty work, including: milling, cutting, tapping & drilling.



LB-4600
Light Viscosity MQL

FEATURES

- Light-duty
- Vegetable-based, biodegradable lubricant
- Non-staining, burns off cleanly in post heat treating
- For ferrous & nonferrous metals, aluminum and titanium

APPLICATIONS

- Light-duty machining, sawing and cutting
- Aluminum extrusion machining and sawing (see LB-8500 on page 4)

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB4600	1 gal	jug	4
LB4655	55 gal	drum	1



LB-5000
Light Viscosity MQL

FEATURES

- Moderate-duty
- Vegetable-based, biodegradable lubricant
- Non-staining, burns off cleanly in post heat treating
- For ferrous & nonferrous metals

APPLICATIONS

- General machining, sawing and cutting
- Post-heat treating aluminum
- Excellent on abrasives

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB5000	1 gal	jug	4
LB5055	55 gal	drum	1



LB-6800
Light Viscosity MQL

FEATURES

- Moderate-duty minimum quantity lubricant
- Vegetable-based, biodegradable lubricant
- Non-staining, burns off cleanly in post heat treating
- For ferrous & nonferrous metals, aluminum and titanium

APPLICATIONS

- General machining, sawing and cutting
- Sawing aluminum castings

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB6800	1 gal	jug	4
LB6855	55 gal	drum	1



LB-1000 Heavy Duty MQL

FEATURES

- Extra heavy-duty
- Vegetable-based, biodegradable lubricant
- 5% chlorinated EP additives, also available with 10 or 30% EP
- For ferrous & nonferrous metals, including aluminum
- Not recommended for titanium
- Clean before heat treating with soap and water

APPLICATIONS

- Heavy-duty machining, sawing and cutting
- Difficult steel & hardened metal operations
- Large diameter tapping
- Deep hole drilling
- High heat operations
- Sawing large diameter solids

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB1000	1 gal	jug	4
LB1055	55 gal	drum	1



LB-1100 Heavy Duty MQL

FEATURES

- Heavy-duty
- Vegetable-based, biodegradable lubricant
- For ferrous & nonferrous metals, aluminum and titanium
- Water-washable
- Clean before heat treating with rinse water

APPLICATIONS

- Heavy-duty machining, sawing and cutting
- Exotic and high nickel alloys
- Aerospace industry
- Large diameter tapping
- Deep hole drilling
- Carbide die stamping
- Sawing large diameter solids

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB1100	1 gal	jug	4
LB1155	55 gal	drum	1

Working with denser alloys, thicker metals, higher tool pressure applications.



LB-6100 Light Viscosity MQL

FEATURES

- Heavy-duty
- Vegetable-based, biodegradable lubricant
- Non-staining, burns off cleanly in post heat treating
- For ferrous & nonferrous metals, aluminum and titanium

APPLICATIONS

- Moderate-duty milling, drilling, tapping, stamping and punching
- Heavy-duty machining, sawing and cutting
- Sawing large diameter solids
- Large diameter tapping
- Deep hole drilling
- Operations that generate a lot of heat
- Thru-tool applications

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB6100	1 gal	jug	4
LB6155	55 gal	drum	1



Power Stamp II Light Viscosity MQL

FEATURES

- Heavy-duty
- Vegetable-based, biodegradable lubricant
- Non-staining, burns off cleanly in post heat treating
- For ferrous & nonferrous metals, aluminum and titanium
- Clean with rinse water

APPLICATIONS

- Stamping
- Operations that generate a lot of heat
- Machining aluminum and titanium
- Carbide die stamping

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LBSTII01	1 gal	jug	4
LBSTII55	55 gal	drum	1



Power Stamp III Heavy Duty MQL

FEATURES

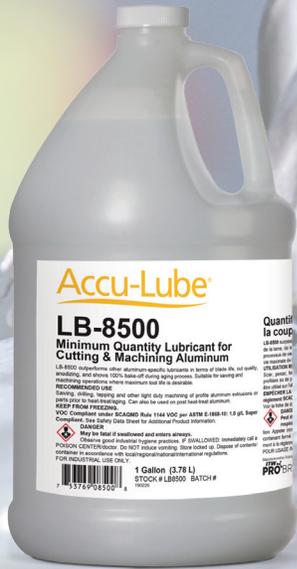
- Heavy-duty
- Vegetable-based, biodegradable lubricant
- For ferrous & nonferrous metals, aluminum and titanium
- Water-washable
- Clean before heat treating with rinse water

APPLICATIONS

- Stamping
- Sawing solids
- Heavy-duty machining, sawing and cutting

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LBSTIII01	1 gal	jug	4
LBSTIII55	55 gal	drum	1

SPECIALIZED MACHINING



LB-8500*
Minimum Quantity Lubricant for Cutting & Machining Aluminum

FEATURES

- Sawing and machining of aluminum, due to superior lubricity
- Cures clean for post heat treat coating or finishing treatments
- A general use product for all metals and all types of machining
- Light to moderate duty

APPLICATIONS

- Sawing and "light to moderate" duty machining aluminum
- Blended cutting fluid designed specifically for aluminum extrusions
- Burns off clean after post-heat treat (aging)

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LB8500	1 gal	jug	4
LB8555	55 gal	drum	1
LB8555T	330 gal	tote	1

*Not available for California's South Coast Air Quality Management District (SCAQMD)

Metal specific, application specific.



Synthetic
Specialized MQL

FEATURES

- Replacement for straight oil
- Multi-purpose
- Water-based, synthetic lubricant
- Cools like flood coolant, lubricates like straight oil
- Rapid heat dissipation
- Clean before heat treating with rinse water

APPLICATIONS

- General machining, sawing and cutting
- For ferrous metals

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
LBSYNT01	1 gal	jug	4
LBSYNT55	55 gal	drum	1



FG-2000
Foodgrade High Performance Metal Cutting Fluid

FEATURES

- Moderate to heavy-duty
- Vegetable-based, biodegradable lubricant
- For ferrous & nonferrous metals, aluminum and titanium
- Clean before heat treating with soap and water

APPLICATIONS

- General machining, sawing and cutting
- Food-grade applications
- Medical device manufacturing
- Swiss style CNC machining centers
- Milling, drilling and tapping

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
FG2001	1 gal	jug	4
FG2055	55 gal	drum	1



Stick Lube

FEATURES

- Lubricant stick for rotating or stationary cutting tools
- Reduces heat build-up
- Vegetable-based

APPLICATIONS

- Short-run machining
- Rotating or stationary cutting tools
- Belt, disc and wheel grinding
- Ferrous & nonferrous metals, aluminum and titanium

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
79042	2.2 oz	push-up stick	24
79045	13 oz	tube	24



Pump Spray Lube

FEATURES

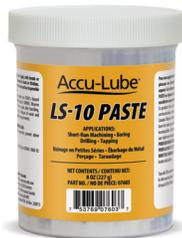
- Vegetable-based, biodegradable lubricant
- For ferrous & nonferrous metals, aluminum and titanium
- Convenient pump spray bottle for mess-free lubrication

APPLICATIONS

- Moderate to heavy-duty operations
- Short-run and hand-held machining
- Drilling
- Tapping
- Milling

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
79026	8 fl oz	pump spray bottle	16

Made with natural ingredients, environmentally-safe.



LS-10 Paste

FEATURES

- Solid paste lubricant
- Reduces friction for cleaner cutting and better finish
- Vegetable-based lubricant
- For ferrous & nonferrous metals, aluminum and titanium
- Clean with soap and water

APPLICATIONS

- Short-run machining
- Burring
- Tapping
- Drilling

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
7603	8 oz	bottle	16



Gel Paste

FEATURES

- Vegetable-based gel lubricant
- Workable texture makes it easy to apply to small and large tools
- Horizontal applications
- For ferrous & nonferrous metals, aluminum and titanium

APPLICATIONS

- Short-run machining
- Tapping, reaming and drilling

PART NO.	NET CONTENTS	CONTAINER TYPE	UNITS/CASE
79030	8 oz	bottle	16

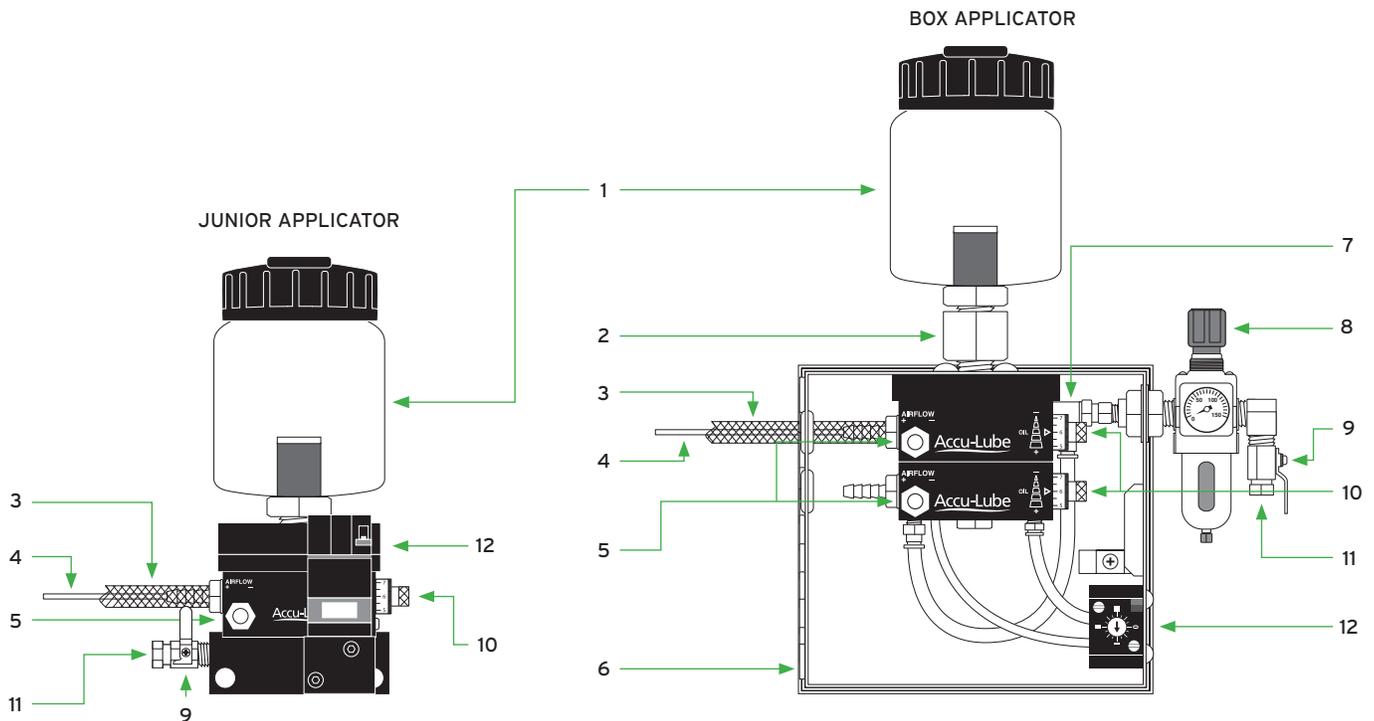
MINIMUM QUANTITY LUBRICATION (MQL) DELIVERY SYSTEMS

Minimum Quantity Lubrication applicators systems focus droplets of lubricant directly onto the tool's cutting edge, providing lubrication & protection precisely where it is needed.

POSITIVE DISPLACEMENT PUMP TECHNOLOGY

Accu-Lube® positive displacement pumps are designed to accurately deliver a constant and consistent amount of lubricant from the instant the applicator is turned on until the moment it is turned off. Unlike cheap siphon-type imitators, which are negatively affected by small variances in air pressure, room temperature, air hose length, and lubricant viscosity, Accu-Lube® positive displacement pumps operate with accuracy and precision year-after-year to deliver lubricant to the cutting edge each time, every time.

An Accu-Lube® positive displacement pump uses air pressure to power the pump cycle. The back stroke of the cycle draws a precise, measured amount of lubricant into a chamber like a syringe. Instantly the forward stroke forces the lubricant down a capillary tube inside an air hose up to 60' (18 m) long. Since the pump cycle is automatically regulated by a frequency generator it is not affected by lubricant viscosity, which changes with temperature. This is crucial for any application operating in an environment without climate control since lubricants thicken in the cold. Accu-Lube® positive displacement pumps deliver instant performance, with every type of Accu-Lube® lubricant, in all conditions.



Definition

1. **Liquid Reservoir:** Light weight, durable polycarbonate reservoir. (16 oz. standard equipment)
2. **Reservoir Extension:** Connects the liquid reservoir to the applicator.
3. **Braided Air Hose:** Carries compressed air to the nozzle.*
4. **Lubricant Line:** Capillary tube that runs inside the braided air hose.
5. **Airflow Valve:** Controls the amount of continuous air supplied to the nozzle.
6. **Security-Box (Box & Custom Applicators only):** Durable steel box with lock. Separate front and back doors offer maximum access and protection.
7. **Lubricant Control:** Secondary lubrication control; adjusts the amount of lubricant delivered during each pump cycle.
8. **Air Filter Regulator (Pressure Gauge):** Helps prevent particles and water from entering the applicator through the air supply.
9. **On/Off Valve (Manual applicators only):** Controls the applicator by regulating airflow.
10. **Precision Pump:** Uses air pressure to power the pump cycle; provides consistent and accurate lubrication instantly.
11. **Air Inlet:** Accu-Lube precision pump applicators are pneumatically powered.
12. **Frequency Generator:** Primary lubrication control; regulates the pump cycle.

* NOTE: A lubricant line that is longer or shorter than recommended will result in poor, inaccurate lubricant spray and decrease the applicator's effectiveness.



Manual On/Off, Fixed: Aluminum - O2AO shown here

Box Applicator

The gold standard in Near-Dry Machining, featuring Accu-Lube's patented precision pumps and a lockable steel security box.

FEATURES

- Exclusive positive displacement pump technology deliver precise metered amount of lubricant
- Air filter/regulator gives added control and precision
- Lockable security box with front and back door access
- Individually controlled airflow valve, lubricant control, and frequency generator
- No misting! Coaxial hose assembly atomizes the lubricant at the nozzle tip prevents misting

BENEFITS

- Fixed applicator mounting
- 12" copper nozzle(s), fixed mounting
- 12' hose assembly (standard equipment)
- 16 oz. reservoir (standard equipment)

PRODUCT	Solenoid On/Off, Fixed												Manual On/Off, Fixed					
	ALUMINUM				BRASS		ALUMINUM				BRASS		ALUMINUM				BRASS	
PUMP TYPE																		
# OF NOZZLES	1	2	3	4	1	2	1	2	3	4	1	2	1	2	3	4	1	2
APPLICATOR DESCRIPTION	110 VAC						24 VDC						Manual					
PART NO.	O1A1	O2A1	O3AE	O4AE	O1B1	O2B1	O1A3	O2A3	O3AE	O4AE	O1B3	O2B3	O1A0	O2A0	O3A0	O4A0	O1B0	O2B0

Junior Applicator

The perfect solution for small production operations with the same precision pump and frequency generator as the Box Applicator.

FEATURES

- Compact applicator with magnetic mounts for easy placement
- Precision pumps deliver precisely metered lubrication
- No misting! Coaxial hose assembly atomizes the lubricant at the nozzle tip prevents misting

BENEFITS

- Manual on/off control
- Magnetic applicator mounting
- 18" Loc-Line nozzle(s), magnetic mounting
- 12' hose assembly (standard equipment)
- 16 oz. reservoir (standard equipment)

# OF NOZZLES	1	2
APPLICATOR DESCRIPTION	Manual	
PART NO.	O1D0	O2D0

O1D0 shown here



ACCESSORIES

Increase blade life, reduce fluid consumption, maximize sawing productivity. Every sawing nozzle has three angled outlets to lubricate the blade's teeth and sides. One or more internal atomizing chambers break up the lubricant for an even, consistent spray and continuous lubrication.

Band Saw Nozzles

FEATURES <ul style="list-style-type: none"> Better chip removal Improves blade life Cut tubes of all sizes and solids up to 10" wide 				
	NOZZLE DESCRIPTION	V-Nozzle	N-Nozzle	RL-Nozzle
	SIZE	0.75-1.5" wide	0.75-1.5" wide	up to 2" wide (needs 2 feeds)
PART NO.	9692	9696	9877	

Circular Saw Nozzles

FEATURES <ul style="list-style-type: none"> Unique design allows one nozzle to work like three Lubricates the cutting face and into the gullet Cleaner blades that last longer 				
	NOZZLE DESCRIPTION	C-Nozzle	CM-Nozzle	CL-Nozzle
	SIZE	up to 20" (angled head)	22-36" (needs 2-3 feeds)	36 - 120" wide (needs 3 feeds)
PART NO.	9878	379165	9045	

General-Purpose Nozzles

	
include all 3 tips as a kit	w/Magnetic Base
NOZZLE DESCRIPTION	
Copper	Loc-Line
SIZE	
12"	18" (Can be shortened to required length)
PART NO.	
79101	79108

Air & Oil Hose Assembly

				
HOSE LENGTH				
12 ft. (Standard Equipment)	20 ft.	30 ft.	45 ft.	60 ft.
PART NO.				
90050	90051	90052	90053	90054

Reservoirs

					
RESERVOIR DESCRIPTION					
16 oz. (Standard Equipment)	1 qt.	1/2 gal.	1 gal.	w/Low Level Switch	
				1 qt.	1 gal.
PART NO.					
9380	9381	9382	9384	9383	9386

Solenoids and Air Filter

		
SOLENOIDS DESCRIPTION		
Automate the on/off control of your applicator with an electric solenoid available in different voltages.		
24VDC	110VAC	110 VAC/24 VDC
PART NO.		
9516D	9518	9537


AIR FILTER DESCRIPTION
(1-4 nozzle)
PART NO.
9396

Pump Stack/Replacement kits

				
STACK COMPLETE ASSEMBLY				
1	2	3	4	Each pump will have 15ft line lubricant hose
PART NO.				
9722A	9722B	9722C	9722D	

	
STACK BRASS PUMP REPLACEMENT	
1	2
PART NO.	
9713	9714

Magnet Bases

	
MAGNETIC BASES DESCRIPTION	
1-3 Nozzle Magnetic Mount for Applicator	Magnetic Base for Copper Nozzles
PART NO.	
79120	79124

Seal Kit w/SS Piston


PART NO.
9065

Frequency Generator

	
FREQUENCY GENERATOR DESCRIPTION	
For Junior Applicator	For Box Applicator
PART NO.	
9460	9707

DATA TABLES

LUBRICANT TECHNICAL DATA

APPLICATOR TECHNICAL DATA

MQL Applicator	Part No.	Aluminum	Brass	# of Pumps	Nozzle	Manual On/Off	Solenoid On/Off	Steel Security Box	Nozzle Mounting	Applicator Mounting	Reservoir Size
Box	01A1	✓		1 Pump	12" Copper		✓	✓	Fixed/Magnetic	Fixed/Magnetic	16 oz. (Standard Equipment)
	02A1	✓		2 Pump			✓	✓			
	03AE	✓		3 Pump			✓	✓			
	04AE	✓		4 Pump			✓	✓			
	01B1		✓	1 Pump			✓	✓			
	02B1		✓	2 Pump			✓	✓			
	01A3	✓		1 Pump			✓	✓			
	02A3	✓		2 Pump			✓	✓			
	01B3		✓	1 Pump			✓	✓			
	02B3		✓	2 Pump			✓	✓			
	01A0	✓		1 Pump			✓	✓			
	02A0	✓		2 Pump			✓	✓			
	03A0	✓		3 Pump			✓	✓			
	04A0	✓		4 Pump			✓	✓			
	01B0		✓	1 Pump			✓	✓			
	02B0		✓	2 Pump			✓	✓			
Junior	01D0			1 Pump	18" Loc-Line	✓			Magnetic	Magnetic	
	02D0			2 Pump		✓					



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