

## New Pumps, Hose Reels and Meters

### Introducing the Right System Choices for the Job: High Performance, Low Price and Great Value

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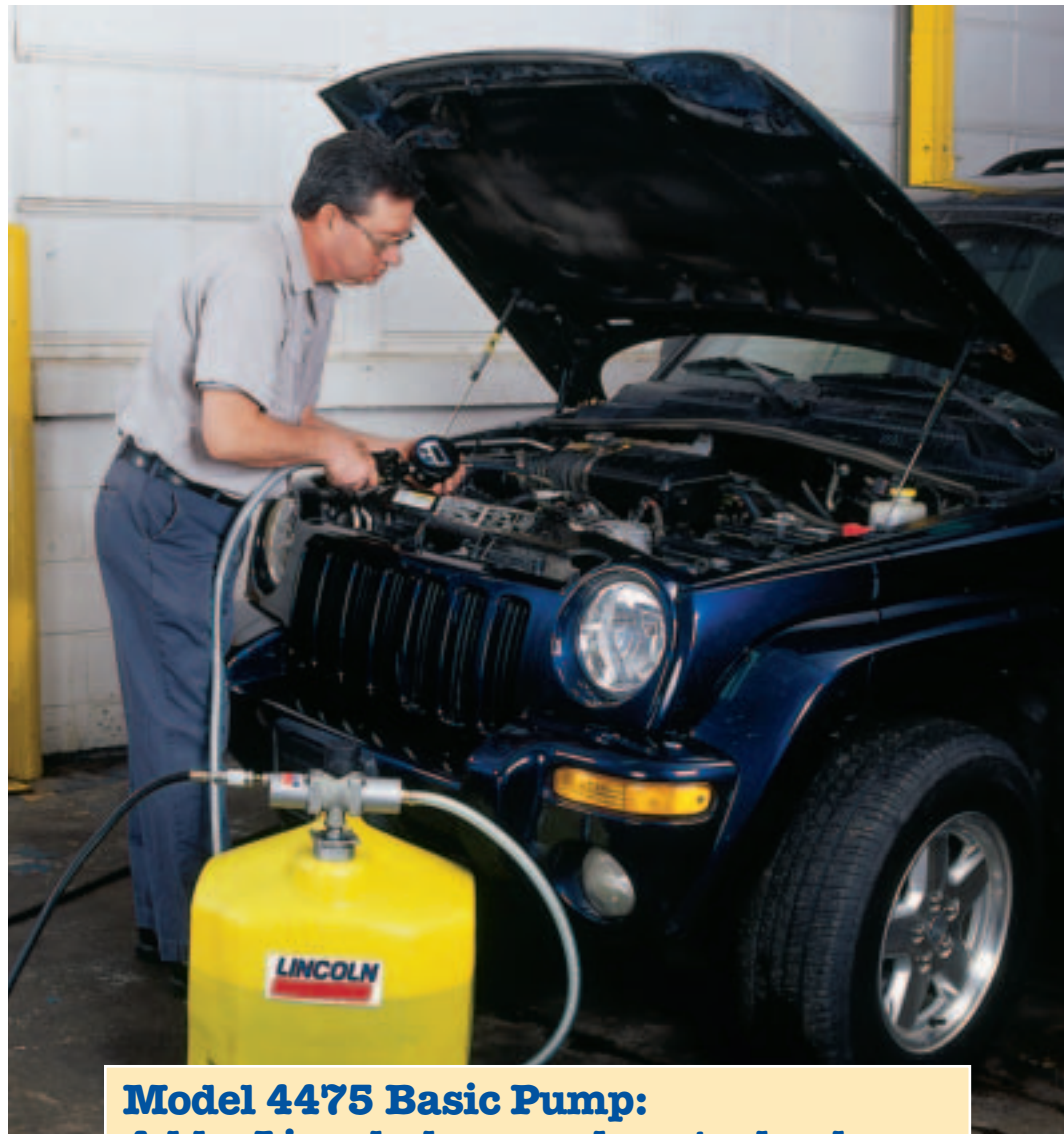
87000 Series  
Hose Reel

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**Model 4475 Basic Pump:**  
Add a Lincoln hose and control valves  
for compact dispensing systems

# Model 4475 Pump

The new Lincoln 4475 Series pump is a truly affordable, easy to use and effective transfer pump. You no longer have to stretch your budget for air-operated pumps that are “overkill” and overpriced, or settle for manual pumps for light fluid transfer applications. This one is right sized and right priced!

This low-cost, air-operated metallic positive displacement piston pump transfers and dispenses low to medium viscosity fluids such as motor oil, transmission fluid and windshield wiper fluid. The positive displacement alternative to other low cost pump technologies lets you control the flow rate for clean, direct transfer operations as well as applications using meters for precise volume dispensing.

## Applications

- Oil Change Outlets
- Motor Vehicle Service (Dealerships, Fleets, Municipalities)
- Agricultural Equipment Service
- Construction Equipment Service
- Industrial Plants, Mines and Mills

## Product Description

The heart of the 4475 pump is a reciprocating-piston, low-pressure pump design. Air powers the pump’s piston on the dispensing, or working, stroke. An internal spring returns the piston and resets it for the working stroke. It pumps continuously when the dispensing (fluid outlet) valve is open and 20-120 psig air is supplied to the pump.





**4480 Spigot Pump**—From a 55-gallon drum, fill a secondary container easily and directly. Order air line accessories separately.

## Features & Benefits

- ◆ **New Technology:** Unique air motor design (patent pending) for improved reliability
- ◆ **High Performance:** Realize up to 4 GPM free delivery for fast-dispense cycles
- ◆ **Affordable:** Less than ½ the cost of most other pneumatic piston pumps
- ◆ **Flexible:** Choose the 4475 basic pump or 4480 spigot pump

## Specifications:

	Model No.	Description	Material Outlet	Operation	Pump Tube Length	Attachment
	4475	Bare Pump	3/8" or 1/2" NPTF	Pneumatic fluid delivery stroke, spring return stroke	34" (86 cm)	2" Bung, adjustable for 55 & 16 gal. drums, bench & portable tanks
	4480	Spigot Pump	Spigot extension with on/off valve			
	Model No.	Effective Pump Ratio	Inlet Air Pressure	Output/Stroke	Free Delivery	
	4475	Approx. 0.7:1 to 0.8:1	Max: 120 psi (8.3 bar)	2.9 in <sup>3</sup> (48 cm <sup>3</sup> )	Up to 4 gpm (15 lpm)	
	4480	depending on inlet air pressure	Min: 20 psig (1.4 bar)			

## Recommended Accessories

Air Line controls are a must for safe and effective pump operation.



Model No.	Description
815	1/4" Air Coupler
11659	1/4" Air Nipple
602003	1/4" Miniature Air Regulator
247843	Air Line Pressure Gauge
10462	1/4" Pipe Nipple for Regulator attachment

## Low Cost Fluid Dispensing System

Use 4475 with other Lincoln components, such as:

Simple pump, hose, meter system for mounting on drums or portable tanks

Pump, hose, meter system for mounting on bench tanks

### Sample Bill of Material

Model No.	Description
4475	Bare Pump
952	Electronic Lube Meter
73120	1/4" x 10' Fluid Hose

### Sample Bill of Material

Model No.	Description
4475	Bare Pump
87334D	Reel with 30' Hose, Electronic Meter, 2' Connecting Hose

# Hose Reel (87000 Series)

## New Design Eases Your Workload



- Strong and reliable
- Easy installation requirements
- Models for low, medium and high pressure

### NEW FEATURES:

- Heavy gauge steel base and support provide exceptional strength to assembly
- Mounting base accepts both 6M/6H and HD 82206 mounting patterns and is slotted for easy installation
- Bronze axle bushings eliminate wear at hub and axle
- Brass hub eliminates binding and leakage
- Baked-on powder coat finish creates a rugged corrosion resistant reel
- Stainless steel axle for air/water applications

Lincoln's new 87000 Hose Reel family offers enhanced engineering design features to meet the needs of your demanding workplace with the value you require. An integral part of Lincoln's complete lubrication system, the 87000 Series serves your dispensing needs—low pressure for air or water, medium pressure for oil and high pressure for grease.

### Applications

- New car/truck dealers
- Fleet maintenance garages
- Municipal garages
- Truck stop oil change centers
- Light duty lube trucks
- Oil change outlets
- Industry

### 87000 Specifications

Bare Reel	87700 Low Pressure	87300 Medium Pressure	87500 High Pressure
Compatible Fluids	Air, ATF, Water, WW	Oil	Grease
Hose Capacity	60' x 3/4", 50' x 1/2"	50' x 1/2"	60' x 3/8"
Maximum Working Pressure	2500 psi	2500 psi	8000 psi bare reel 5000 psi with hose
Inlet/Outlet	1/2" NPTF	1/2" NPTF	3/8" NPTF

Complete reel assemblies with hose, meter, control valve or air coupler are also available as one model number

## Features & Benefits

- ◆ Low-, medium-, and high-pressure models
- ◆ Extra-wide hose guide eliminates flex
- ◆ 180° "opposed ratchet" design provides greater hose length adjustments
- ◆ Seven-position roller outlet arm with four-way roller assembly



# Oval Gear, Electronic Lube Meters

## Introducing a Full Line for Your Service Center

- **Oval gear design**
- **Rugged and economical**

The new Lincoln 954, 953, and 952 are accurate, affordable, and extremely capable electronic lube meters. Complimenting the popular 905 preset meter that was introduced in 2002, this new series offers you a value priced and quality package of meters sure to meet the varying needs of vehicle service centers.

Each meter is designed specifically to dispense typical fluids such as motor oils (S.A.E. 5-50), gear oils (S.A.E. 8-240), automatic transmission fluid, and pure antifreeze (Ethylene Glycol). These oval gear driven meters are highly accurate and the exact amount of fluid dispensed is shown on the easy to read 5-digit liquid digital display. A TOTAL button is also featured to regularly check the total amount of fluid dispensed from stock.

The 905, 954, 953, and 952 models are rugged to survive the harsh shop floor environment and feature a range of capabilities and nozzle configurations. Select from this complete package of meters for your next system!



### Applications

- New car/truck dealers
- Oil change outlets
- Factories
- Fleet maintenance garages
- Municipal garages
- Truck stop oil change centers

## Features & Benefits

- ◆ **Rugged:** Shock resistant housings protect the meters in harsh shop floor environments
- ◆ **Flexible:** Range of capabilities and nozzle configurations to meet your needs
- ◆ **Accurate:** Digital display has two decimal point precision to show the exact amount of fluid dispensed
- ◆ **Easy to Maintain:** Field replaceable batteries with a low battery indicator
- ◆ **High Performance at an Affordable Price:** A dependable product line with high maximum flow rates and operating pressure capabilities at a price less than most other electronic lube meters

### Specifications

Model Number	905*	952	953	954
Maximum Flow	5.0 gpm**	6.0 gpm	6.0 gpm	6.0 gpm
Minimum Flow	0.25 gpm	0.25 gpm	0.25 gpm	0.25 gpm
Max. Op. Press.	1000 psi	1500 psi	1500 psi	1500 psi
Min. Op. Press.	5 psi	5 psi	5 psi	5 psi
Op. Temp. Range	-10°F to +110°F	-10°F to +110°F	-10°F to +110°F	-10°F to +110°F
Accuracy	±0.5%	±1.5%	±0.5%	±0.5%
Inlet/Outlet Connections	½" NPTF	½" NPTF	½" NPTF	½" NPTF
Totalization Units	Gallons, Liters	Quarts or Liters	Gallons, Liters	Gallons, Liters
Dispense Units	Pints, Quarts, Liters, Gallons	Quarts or Liters	Pints, Quarts, Liters, Gallons	Pints, Quarts, Liters, Gallons
Nozzle & Tip Configuration	70° rigid spout with nondrip nozzle	90° flex hose with manual tip & swivel	30° rigid spout with automatic tip	Flex straight hose with automatic tip
<b>Fluids</b>				
Motor Oils	x	x	x	x
Gear Oils	x	x	x	x
Auto Trans. Fluid	x	x	x	x
Hydraulic Fluid	x	x	x	x
W/Washer Fluid	N/A	N/A	x	x
Anti-Freeze	x	x	x	x
Break Fluids	N/A	N/A	x	x

\* 905 model offers preset mode

\*\* 7.9 gpm without nondrip nozzle



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