



## LUBESITE® SYSTEMS

The full line of cost  
reducing, single-point  
lubrication solutions.

# Contents

Overview .....	3
LubeSite Grease Feeders .....	4
Installation.....	6
LubeSite 200 Series.....	10
LubeSite 300 Series.....	11
LubeSite 404 .....	12
LubeSite 500 Series.....	13
LubeSite 704 .....	14
LubeLine™ Refill Kit .....	15
SureShot Kit .....	16
Battery-powered Grease Gun .....	17
LubeSite Oil Feeders .....	18
LubeSite Drip Oilers .....	19
LubeSite Gravity Feed Oilers .....	20
LubeSite Wick Oilers .....	21
LubeSite Chain Oilers .....	22
LubeSite SAVER Oilers .....	24
Denco Constant Level Oiler .....	26
LubeSite ACP-5 Lubricator .....	28
LubeSite MCP-5 Lubricator.....	29
Accessories and Kits .....	30
Oil Level Sight Plugs .....	31
LubeSite Vented Liquid Level Sight .....	32
LubeSite Adjustable Valve Flow Sight.....	33
Adapters and Couplers .....	34
Industries.....	35

# Overview

## LubeSite—the Systematic Approach to Single-Point Lubrication

Grease and oil lubrication are critical parts of maintenance in any industrial operation. Proper lubrication saves a tremendous amount of money by reducing equipment downtime and lost labor hours, as well as giving equipment longer life. Why take chances with lubrication? LubeSite by Bijur Delimon eliminates the guesswork. Your local distributor can show you how.

Environmentally-minded manufacturers will appreciate the refillable feature of these single-point lubricators, since the unit can remain mounted on a bearing, with just pennies of oil or grease to top off the reservoir. Oil and grease used in other applications on the plant floor are suitable for these units.



# LubeSite Grease Feeders

## Applications

LubeSite automatic lubricators can be used on any equipment that has:

- + Anti-friction oscillating, ball or roller bearings
- + Shielded bearings with seals
- + Bronze, oilite or open bearings
- + Requires bearing flushing action
- + Uses NLGI grade 0 to grade 4 non-separating grease
- + Operates in an ambient temperature from -10°F to 450°F (-23°C to 232°C)

**LubeSite 404:** 0°F to 200°F (-17°C to 93°C)

**LubeSite Series 200, 300, 500:** -10°F to 250°F (-23°C to 121°C)

**LubeSite 704:** 0°F to 450°F (-17°C to 232°C)

## Benefits

- + Refillable/reusable
- + On-demand operating principle
- + Activation is immediate
- + No cumbersome dip switch/activator plug settings
- + No battery or gas
- + No hazardous battery/gas units to dispose of
- + Low pressure operation
- + See thru reservoir
- + Can use with any NLGI grade 0 to grade 4 non-separating grease
- + Models available to operate in harsh conditions
- + Can be mounted in any position
- + Can be used in any hazardous area
- + Reservoirs available in 1, 2 and 6 oz capacity



## Save Money

Almost half of all bearing failures are due to improper lubrication. Over- and/or under-greasing cause the majority of problems. Here are the major advantages of using a LubeSite product:

- + Fewer replacement bearings
- + Less downtime for bearing replacement
- + Less grease used
- + Fewer man-hours spent relubricating

## *Prevent Over- and Under-lubrication*

Manual greasing with a grease gun is a method of lubrication determined by an estimate of the amount of grease used. The fact is, there is no accurate way to know when a bearing is getting too little or too much grease. The variables are endless.

## Protect Personnel

Because LubeSite units often permit longer periods between greasing, your personnel can avoid lubricating while equipment is operating. Normal shutdown periods may be used.

The transparent reservoir permits a visual inspection of grease level from a safe distance whenever lubrication is required in a hazardous or hard-to-reach location. The LubeLine refill kit can be used to refill LubeSite units in hard-to-reach areas (see page 15).



# Installation

## Operation

LubeSite automatic grease feeders have only two moving parts (spring, piston with metering rod and piston seal ring). The design combines foolproof simplicity with rugged component strength for dependable, controlled lubrication.

The graduated channels in the meter rod allow the bearing to use grease as required. Once the reservoir is filled and the unit is connected to a bearing, the single-point lubricator uses Venturi action to discharge lubricant only when the bearing is in motion. Thus, grease is never packed into the bearing. This benefits manufacturers that will have some planned machine downtime, because over-lubrication is eliminated. Because the single-point lubricator only generates 1-5 psi it will not blow bearing seals. When the bearing stops, so does the grease flow.

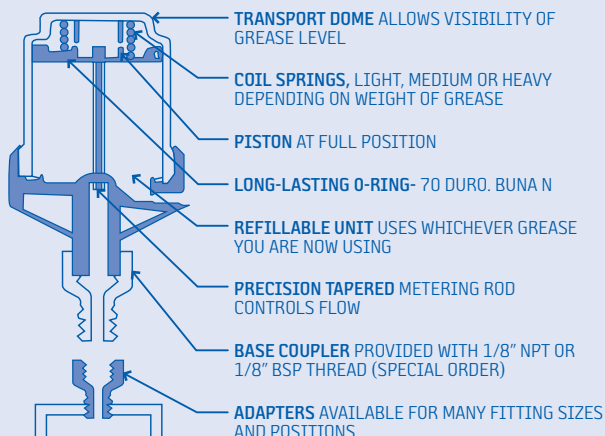
## Start Up Instructions

1. Use proper spring.
2. Remove grease fitting from equipment or bearing housing.
3. Fill with grease.
4. Screw the LubeSite assembly directly into the grease fitting hole. Turn hand tight only.
5. LubeSite can be refilled while mounted on equipment.

*For more detailed installation and mounting instructions see Service Sheet #32854: LubeSite Grease Feeders 200-700 Series Installation Instructions.*



## ***LubeSite Grease Feeder (cut-away)***



## **Maintenance and Cleaning**

LubeSite units are made from high-quality, heavy-duty engineered materials and are manufactured to meet rigid standards. These units require only minimum care to provide long, trouble-free service under normal operating conditions.

The transparent dome should be kept free of exterior dirt, so that the interior grease level can always be seen. Most dirt can easily be removed with mild detergents (never use solvents). Grease fittings should be wiped clean before and after filling and the protective cap replaced.

We recommend that the LubeSite unit be thoroughly cleaned inside and out about once a year as a routine, or whenever the grease has separated or solidified. More cleaning may be required in extremely dirty or dusty environments



## Size and Spring

### *Static and Dynamic Bearing Conditions*

LubeSite 200 Series is specifically designed for bearing housings that operate under static conditions. These units should not be specified for dynamic conditions. Specify the 300 Series (metal base) units for dynamic, impact, high torque or vibrating applications. LubeSite 404 disposable unit is for use on static operations with minimal shock or vibration.

### *Harsh Atmospheres*

LubeSite 500 Series is designed for corrosive atmospheres while the 704 unit is designed for high temperature (up to 450°F) applications.

### *Grease Types*

Almost all grade 0 to grade 4 non-separating grease will work.

### *Selecting the Proper Unit Size and Spring*

To determine the LubeSite unit size, you need to know the bearing shaft diameter and speed, as well as the bearing class. For example, if the shaft diameter is 2", the bearing is sealed and the shaft speed is a continuous 2000 rpm, you will need an extra large unit. See the size selection guide on page 9.

To determine the proper spring, you need to know the operating temperature and the grease weight. For example, if the operating temperature of the bearing ranges from 60°F to 80°F, and you're using grade 2 grease, then you will need a medium (silver) spring. See the spring selection guide on page 9. If mounting on an extension, use of an extra heavy (orange) spring may be required (spring effectiveness will vary with application).





## LubeSite Size Selection Guide

Bearing Shaft Diameter	Up to 1-1/2"			
Operating Condition	Intermittent		Continuous	
Class of Bearing	Open	Sealed	Open	Sealed
Under 2500 rpm	1 oz	1 oz	1 oz	1 oz
Over 2500 rpm	2 oz	2 oz	2 oz	2 oz
Bearing Shaft Diameter	Over 1-1/2"			
Under 1000 rpm	2 oz	2 oz	2 oz	2 oz
1000-2500 rpm	2 oz	2 oz	6 oz	6 oz
Over 2500 rpm	6 oz	6 oz	6 oz	6 oz

*Note: Bigger isn't always better. Don't intentionally oversize LubeSite units.*

## LubeSite Spring Selection Guide

Operating Temperature	Grease (Grade)				
	0	1	2	3	4
-10°F to 40°F (-23°C to 4°C)	Blue	Silver	Red	---	---
40°F to 110°F (4°C to 43°C)	Blue	Silver	Silver	Red	---
110°F to 200°F (43°C to 93°C)	---	Blue	Silver	Silver	Red
200°F to 250°F (93°C to 121°C)	---	---	Blue	Silver	Red

## How to Order Springs

Color	Strength	Part #
		For use with the following units
		202/302/502      205/305/505      260/360/560
Blue	Light	202-7                      205-7                      360-7
Silver	Medium	202-8                      205-8                      360-8
Red	Heavy	202-9                      205-9                      360-9
Orange <sup>1</sup>	Extra heavy	202-15                      205-15                      360-15
		<b>704</b>
Green	Medium	7107408
Yellow	Heavy	7107409

<sup>1</sup> Available for 1 oz, 2 oz and 6 oz grease feeders to be used on extension and where greater pressure is desired for flushing action.

# LubeSite 200 Series

## Polycarbonate Base

LubeSite 200 Series feature a clear, polycarbonate reservoir and base. This design allows for a visual inspection of the units' internal workings. The 200 Series units should be specified for applications with minimal vibration, impact, shock, high-torque or centrifugal forces. Units are assembled with medium springs (three additional light and heavy springs are included in each box of ten). An extra heavy (orange) spring is available for applications requiring the use of an extension or for higher pressure flushing applications. LubeSite unit 260 is individually boxed with a light (blue) and heavy (red) spring.

## Technical Data

Material	Polycarbonate domes and bases
Thread Size	1/8" NPT
Operating Temperature	-10°F to 250°F (-23°C to 121°C)

## How to Order

Reservoir Capacity	Dimensions	Part #
1 oz (28.3 g)	1-3/4" diameter (44.5mm) 3-5/8" height(92.1mm)	202
2 oz (56.7 g)	2-3/8" diameter (60.3mm) 4-5/8" height(117.5mm)	205
6 oz (170.1 g)	3" diameter (75mm) 6" height (152.4mm)	260



# LubeSite 300 Series

## Metal Base

LubeSite 300 Series are designed for applications subject to vibration, impact, shock, high-torque or centrifugal forces. Units are assembled with medium springs (three additional light and heavy springs are included in each box of ten). An extra heavy (orange) spring is available for applications requiring the use of an extension or for higher pressure flushing applications. LubeSite unit 360 is individually boxed with a light (blue) and heavy (red) spring.

## Technical Data

Material	Domes	Polycarbonate
	Bases	Lightweight anodized aluminum
Thread Size	1/8" NPT	
Operating Temperature	-10°F to 250°F (-23°C to 121°C)	

## How to Order

Reservoir Capacity	Dimensions	Part #
1 oz (28.3 g)	1-3/4" diameter (44.5mm) 3-5/8" height (92.1mm)	302
2 oz (56.7 g)	2-3/8" diameter (60.3mm) 4-5/8" height (117.5mm)	305
6 oz (170.1 g)	3" diameter (75mm) 6" height (152.4mm)	360

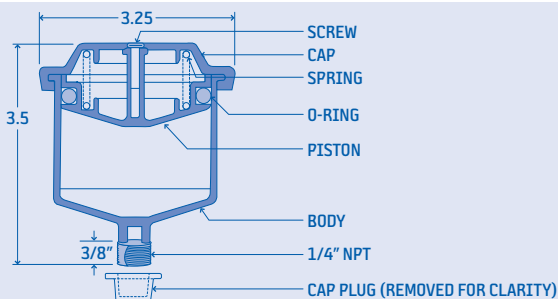


# LubeSite 404

## Pre-filled Polycarbonate Unit

LubeSite 404 should be specified for applications with minimal vibration, impact, shock, high-torque or centrifugal forces. It has a transparent Lexan® polycarbonate reservoir. It is filled with 4 oz of high-quality, multipurpose, Lithium-based NLGI grade 2 grease. Grease is USDA, class H-2. The LubeSite 404 unit is not refillable.

## Dimensional Schematics



## Technical Data

Material	Polycarbonate reservoir
Thread Size	See page 34 for available couplers.
Operating Temperature	-10°F to 250°F (-23°C to 121°C)

## How to Order

Reservoir Capacity	Dimensions	Part #
4 oz (113.4 g)	3-1/4" diameter (82.5 mm)	404 <sup>1</sup>
	3-1/2" height (181 mm)	410 <sup>2</sup>

<sup>1</sup> NLGI Grade 2 grease    <sup>2</sup> NLGI Grade 1 grease



# LubeSite 500 Series

## Corrosion Resistant, Metal Base

LubeSite 500 Series are nickel-chrome, double-plated for applications where corrosive resistance is required, such as chemical and food processing applications. Units are assembled with medium springs (three additional light and heavy springs are included in each box of ten). An extra heavy (orange) spring is available for applications requiring the use of an extension or for higher pressure flushing applications. LubeSite unit 560 is individually boxed with a light (blue) and heavy (red) spring. The piston seal ring in the 500 Series is fabricated from chemical-resistant Viton®.

## Technical Data

Material	Domes	Polycarbonate
	Bases	Nickel-chrome plated lightweight aluminum
Thread Size	1/8" NPT	
Operating Temperature	-10°F to 250°F (-23°C to 121°C)	

## How to Order

Reservoir Capacity	Dimensions	Part #
1 oz (28.3 g)	1-3/4" diameter (44.5mm) 3-5/8" height (92.1mm)	502
2 oz (56.7 g)	2-3/8" diameter (60.3mm) 4-5/8" height (117.5mm)	505
6 oz (170.1 g)	3" diameter (75mm) 6" height (152.4mm)	560



# LubeSite 704

## High Temperature, Metal Base

LubeSite 704 allows precise dispensing of grease to a bearing in ambient temperatures up to 450°F (232°C). It's ideal for applications in steel mills, foundries, lumber drying kilns, glass plants, nuclear environments and metal heat-treating facilities.

The refillable, transparent reservoir permits a visual inspection of grease level at a safe distance. This feature is especially important in high temperature applications.

## Technical Data

Material	Domes	Tempered borosilicate, glass
	Bases	Lightweight, anodized aluminum
	Cap	Stainless steel
Thread Size	1/8" NPT	

*Note: These units are assembled with a medium (green) stainless steel spring. Units are packed individually and include an additional heavy (yellow) spring. The piston seal ring and gaskets are fabricated from temperature-resistant Viton.*

## How to Order

Reservoir Capacity	Dimensions	Part #
4 oz (113.4 g)	3-1/4" diameter (82.5mm) 7-1/8" height (181mm)	704

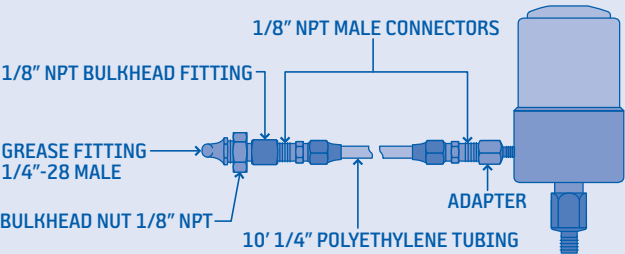


# LubeLine™ Refill Kit

## Remote Grease Refill Kit

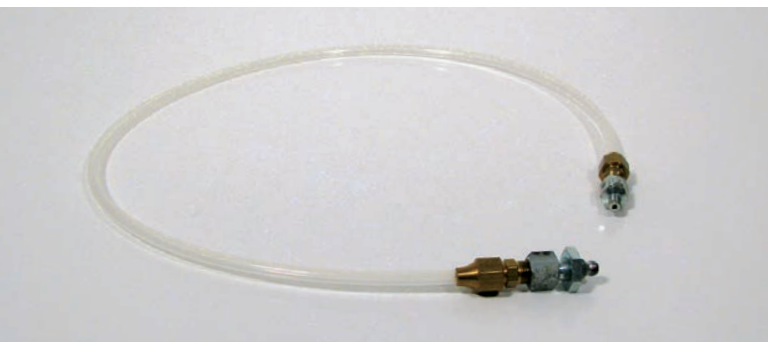
The great majority of plants have hard to reach lubrication sites. The LubeLine Refill Kit allows refilling from distances up to 10 feet, and will fit all grease units.

The LubeLine Refill Kit comes complete with all of the required fittings and 10 feet of high pressure tube. Remember, this product is specifically designed to refill a LubeSite unit, not replace it. LubeLine units should be prefilled prior to hook-up to the LubeSite unit. Be certain the LubeLine Refill Kit is free of all air bubbles.



## How to Order

Description	Hose	Part #
LubeLine Refill Kit	10' high pressure	LubeLine



# SureShot Kit

## *Divider Block for Manual Lubrication of Multiple Points*

For machinery applications with multiple lubrication points, you sometimes need a method to grease them from a centralized location with a manual grease gun.

The SureShot system delivers a positive measured shot of grease to each connected lubrication point through a single manually-fed grease fitting. Just mount the block in a convenient location and route the pre-filled tubing to each lubrication point. Then, walk up to the block and grease your entire machinery.

### ***SureShot Kit Includes:***

- + Divider block (4, 6, 8, 10 or 12 outlets)
- + Pre-filled tubing
- + Hardware for installation (elbow, straight, 45° and 60° adapters)

### ***How to Order***

Description	Pre-filled Tubing	Part #
For 3 or 4 lubrication points	25'	SST4C
For 5 or 6 lubrication points	50'	SST6C
For 7 or 8 lubrication points	75'	SST8C
For 9 or 10 lubrication points	75'	SST10C
For 11 or 12 lubrication points	100'	SST12C





# Battery-powered Grease Gun

## Features

- + Delivers up to 7 cartridges of grease per battery charge, under pressure
- + Fill with standard 14 oz cartridge or bulk load
- + High pressure flexible whip hose with spring guard
- + Heavy-duty four jaw coupler
- + High pressure safety motor override
- + Air bleeder valve

## How to Order

Description	Part #
Battery-powered grease gun kit*	F4018
Spare battery (18 VDC)	F4028
Battery charger (110 VAC)	F4029

*\* Includes battery-powered grease gun, two high-capacity NiCad batteries, battery charger and carrying case.*

## Technical Data

Electrical Requirements	Charger input power	120 VAC/60 Hz
	Battery output power	18 VDC
	Battery capacity	1300 mAh
	Battery charge time	1 hour quick charge
Max Operating Pressure	8000 psi (550 bar)	
Grease Reservoir Capacity	14.5 oz	
Hose Size	30-1/2" long x 0.386" diameter	
Tube Dimensions	10-3/4" long x 2.20" diameter	
Switch	Squeeze type trigger	
LED Function Button	On/Off	



# LubeSite Oil Feeders

## Overview

To dependably fill the need for automatic oil lubrication, we offer a full line of LubeSite single-point oilers, which include:

- + Drip Oilers
- + Gravity Feed Oilers
- + Wick Oilers
- + Chain Oilers
- + SAVER Oilers
- + Constant Level Oiler

Our popular standard oiler offers the flexibility of a 4 oz or an 8 oz capacity reservoir set in a metal base. This base will withstand the punishment of extreme vibration or industry's worst environments. The SAVER line of economical oilers provide a low-cost alternative for those who require performance at a low price and don't need the security of a metal base.

These automatic oilers provide precise oil lubrication for machine tools, oil-lubricated bearings, gear boxes, motors, drives and chains. LubeSite oil lubricators feature a poke-through cap allowing refill by standard oil can. The hole then closes to prevent contamination.

## Features

- + A clear reservoir which tells the maintenance worker, at a glance, when refilling is required.
- + Automatic lubrication service while machinery is running, providing improved worker safety.
- + Polycarbonate domes rated for 200°F (93°C) maximum temperature.



# LubeSite Drip Oilers

Drip feed oilers are perhaps the most popular method of automatic oil lubrication. The lubricant feed rate can be set by the operator by merely turning the needle valve and viewing the drip rate in the flow sight. Oil flow can be stopped simply by shutting the valve.

A cam-lock valve flow sight (see page 33) is also available with drip oilers as an alternative method for precise metering applications. They have a durable polycarbonate flow sight which is a major improvement over the breakable glass sights currently used in other drip oilers. These valves may be purchased separately.

## Technical Data

Material	Domes	Polycarbonate
	Bases	Lightweight, anodized aluminum
Thread Size		1/8" NPT

## How to Order

Reservoir Capacity	Dimensions	Part #
4 oz (120 mL)	2-1/4" diameter (57 mm)	D-4
	7" height (177.8 mm)	D-4 cam
8 oz (240 mL)	2-1/4" diameter (57 mm)	D-8
	10" height (152.4 mm)	D-8 cam



# LubeSite Gravity Feed Oilers

These single-point lubricators maintain a constant flow to oil-lubricated bearings. The durable polycarbonate reservoir makes these oilers desirable in applications such as food processing plants where there would be the danger of broken glass from oil-style oilers. These units can also be used as an oil level indicator, reserve reservoir or for back-pressure relief on machine start-up.

## Technical Data

<b>Material</b>	Domes	Polycarbonate
	Bases	Lightweight, anodized aluminum
<b>Thread Size</b>	1/8" NPT	

## How to Order

Reservoir Capacity	Dimensions	Part #
4 oz (120 mL)	2-1/4" diameter (57 mm) 4-3/4" height (120 mm)	G-4
8 oz (240 mL)	2-1/4" diameter (57 mm) 7-3/4" height (197 mm)	G-8



# LubeSite Wick Oilers

Wick oilers are used in applications where precise oiling is required. The foam wick material used in a LubeSite wick oiler replaces old-style felt or woven cotton wicks. The wick material provides easily controlled oiling rates.

Oil Weight	RW-2 (Fast Wick)	RW-3 (Medium Wick)	RW-4 (Slow Wick)
SAE 10	480 drops/hr	250 drops/hr	180 drops/hr
SAE 20	300 drops/hr	180 drops/hr	60 drops/hr
SAE 30	122 drops/hr	81 drops/hr	46 drops/hr
SAE 50	66 drops/hr	43 drops/hr	20 drops/hr
SAE 60	62 drops/hr	29 drops/hr	16 drops/hr
SAE 70	33 drops/hr	18 drops/hr	9 drops/hr
APG 90	43 drops/hr	25 drops/hr	14 drops/hr

*Note: The wick provides a predetermined flow based on oil grade. Wicks should be changed every three months (less if flow rate is diminished).*

## Technical Data

Material	Domes	Polycarbonate
	Bases	Lightweight, anodized aluminum
Thread Size	1/4" NPT (1/8" NPT coupler supplied)	

*Note: Supplied with all three wicks.*

## How to Order

Reservoir Capacity	Dimensions	Part #
4 oz (120 mL)	2-1/4" diameter (57 mm) 4-3/4" height (120 mm)	W-4
8 oz (240 mL)	2-1/4" diameter (57 mm) 7-3/4" height (197 mm)	W-8



# LubeSite Chain Oilers

By adding a properly selected and applied chain oiler to your drive chain, you can greatly improve a drive's performance, operating life and efficiency.

As a chain moves in a sprocket, there is relative movement between the pin and bushing surfaces. Wear at these points creates elongation, decreasing both chain life and efficiency. By maintaining an oil film between the pin and bushing, you can greatly reduce this wear.

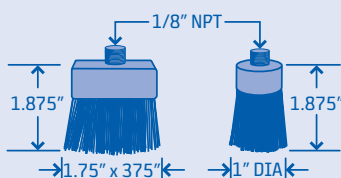
Proper lubrication can also help to prevent chain failure by providing protection against rust and corrosion. Rusting allows pits to form, causing stress concentration points which can result in premature chain failure, even at reduced loads. The brush's bristles will also help to clean the chain by removing dirt and other contaminants while replacing them with clean oil.

LubeSite chain oilers automatically function at predetermined rates to prevent over- and under-lubrication. Downtime is eliminated in applications where equipment must be shut down to get to the chain.

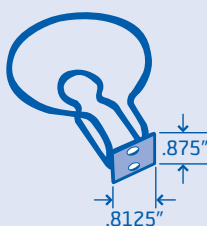
The most ideal positioning of LubeSite chain oilers is directly in front of the drive sprocket.

## Dimensional Schematics

### Brushes



### Mounting Bracket\*



\* Mounting bracket is included with all LubeSite chain oilers or can be used with any of the other oilers. Bracket p.n. 803-7.

Technical Data



Material	Domes	Polycarbonate
	Bases	Lightweight, anodized aluminum
Thread Size		1/8" NPT

How to Order

Reservoir Capacity	Dimensions	Part #
4 oz (120 mL)	2-1/4" diameter (57 mm) 8-1/2" height (215.9 mm)	FB-4
		FB-4 cam
		RB-4
		RB-4 cam
8 oz (240 mL)	2-1/4" diameter (57 mm) 11-3/8" height (288.9 mm)	FB-8
		FB-8 cam
		RB-8
		RB-8 cam

FB= Flat brush    RB= Round brush

Replacement Brushes

	Brush Type	Part #
	Round	803-10
	Flat	803-11

*Note: Brushes are designed with a feature that prevents oil from dripping off the ends of the brush tip under normal conditions. Oil is normally pulled off by the moving parts.*



# LubeSite SAVER Oilers

## SAVER G-5 Gravity Oiler

This single-point lubricator is ideal for those applications which require a constant “as needed” supply of oil. These units may also be used as an oil level indicator, reserve reservoir or for back-pressure relief on machine start-up.

## SAVER W-5 Wick Oiler

Wick oilers are used in applications where precise oiling is required and are adaptable to all classes of machinery. The foam material used in the LubeSite wick oilers replaces the old-fashioned “pipe cleaner”, felt or woven cotton wicks. The wick material provides easily controlled oiling rates.

The wick operates through capillary action, providing a predetermined flow of oil based on the grade of oil used. For most applications, the medium rate wick will suffice. Each unit is also supplied with both a slow and a fast rate wick, allowing the user to choose the oil feed rate or to change feed rates as required. The material also acts as a filter, keeping dust, dirt and metal filings outside the equipment. See wick selection chart on page 21 for more information.

## SAVER D-5 Drip Oiler

The drip feed oiler is the most popular method of lubrication because it allows the operator to adjust the rate of oil flow. Adjustments are made by turning the valve to any point between the open and fully closed position. Needle point and cam-lock valves are available.





# SAVER FB-5 and RB-5 Chain Oilers

As a chain enters and leaves a sprocket, there is relative movement between the pin and bushing surfaces. Wear at these points creates elongation, decreasing both chain life and efficiency. By maintaining an oil film between the pin and bushing, you can greatly reduce this wear. Needle point and cam-lock valves are available.

## Technical Data

Thread Size	G-5, D-5	1/4" NPT
	FB-5, RB-5	1/8" NPT
	W-5	1/8" NPT coupler

## How to Order

Reservoir Capacity	Description	Dimensions	Part #
5 oz (150 mL)	Gravity Oiler	3-1/4" diameter (79.4 mm) 3-3/4" height (95.3 mm)	G-5
	Wick Oiler	3-1/4" diameter (79.4 mm) 4-5/16" height (109.5 mm)	W-5
	Drip Oiler	3-1/4" diameter (79.4 mm) 6-1/2" height (164.1 mm)	D-5
	Chain Oiler	3-1/4" diameter (79.4 mm) 5-1/4" height (209.5 mm)	FB-5 RB-5

FB= Flat brush    RB= Round brush



# Denco Constant Level Oiler

The Denco Constant Level Oiler maintains a constant lubricant level in a bearing housing or gearbox automatically making up lubricant usage from its back-up reservoir.

## Operation

The Denco Constant Level Oiler is based on the simple air compensation principal. As the oil level in the bearing falls, the level in the body of the oiler also falls. This fall in level uncovers the bottom of the chamfered feed tube of the oiler and air is admitted into the oil reservoir. An equivalent amount of oil is permitted to escape from the reservoir down the oil feed tube to the body of the oiler, restoring the pre-set oil level and sealing off the air feed tube. This sequence is repeated whenever the level of the oil in the bearing or sump fall and will continue until the reservoir is empty.

## Features

- + Adjustable to allow fine tuning of the ultimate lubricant level.
- + The transparent reservoir shows immediately the back-up volume available at any time.
- + Reduces maintenance costs by increasing the periods between inspection and replenishments.
- + Prevents overfilling which could cause overheating or mechanical damage to bearings/gears.

## Technical Data

<b>Material</b>	Bases	Brass (standard)
	Reservoirs	Glass, polythene
<b>Reservoir Capacity</b>	100 mL, 200 mL, 500 mL	
<b>Lubricant</b>	Suitable for use with any petroleum based oil with a viscosity that will flow through the feed tube and allow air bubbles to rise.	
<b>Entry Ports</b>	1/4" BSP (bottom and side)	
<b>Operating Temperature</b>	14°F to 140°F (-10°C to 60°C)	

*Note: Alternative designs of oilers are available with API threads, steel bodies, dust/moisture skirts, balance tubes for sub-atmospheric environments and with a top entry plug for direct mounting into a reservoir or sump. (Reservoirs sold separately.)*

# How to Order

## Standard Oilers for Use in Clean or Dry Conditions

Model	Description	Part #
Series N	Brass body and adapter with 1/4" BSP threads	38010
Series R	Brass body and adapter with 1/4" NPT threads	38011

*Note: The standard models are for use in all applications where normal atmospheric pressure exists within the plant or machinery. Connection to the bearing housing or gearbox can be made via the side or bottom ports. Reservoirs sold separately.*

## Oilers for Use in Dirty or Wet Environments

Model	Description	Part #
Series L <sup>1</sup>	Brass body and adapter as series N but fitted with PVC skirt to protect the breather holes.	38120
Series P <sup>2</sup>	Brass body and adapter fitted with PVC skirt, no breather hole but includes an overflow tube.	38127

<sup>1</sup> Extensively used in adverse environmental conditions but where normal atmospheric pressures exist. Reservoirs sold separately.

<sup>2</sup> Used as a back-up device to maintain a constant level in an oil bath on equipment on which the primary lubrication is oil mist or air/oil systems and where a rise in oil level would cause a problem. Reservoirs sold separately.

## Reservoirs

Reservoir Material	Reservoir Capacity	Part #
Glass	100 mL	38180
	200 mL	38190
Polythene	500 mL	38225

*Note: Reservoirs sold separately from oilers.*



# LubeSite ACP-5 Lubricator

This fixed automatic cyclic oiler for single line resistance systems (SLR) easily adapts to diverse applications, such as milling machines, punch presses, textile machines and more.

## Features

- + 1.8 liter reservoir capacity
- + Manual feed knob and discharge setting device
- + Setting adjustment from 1cc to 5cc per cycle
- + Wide choice of operational cycle times
- + Dual voltage 115/230V, single phase, 50/60Hz
- + 5/16-24 connection port

## System Layout

ACP-5 cyclic oiler system consists of the following:

- + ACP-5
- + Metering kit for 4, 6 and 8 points (see page 30)

## How to Order

Description	Discharge Cycle Time	Minimum Output	Maximum Output	Part #
ACP-5 Lubricator	5.3 min	11.3cc/hr	56.6cc/hr	32529-1
	8.9 min	6.7cc/hr	33.7cc/hr	32529-2
	13.3 min	4.5cc/hr	22.6cc/hr	32529-3
	27.7 min	2.2cc/hr	10.8cc/hr	32529-4
	53.3 min	1.1cc/hr	5.6cc/hr	32529-5
	106.7 min	0.6cc/hr	2.8cc/hr	32529-6



# LubeSite MCP-5 Lubricator

LubeSite offers MCP-5 manual oilers for single line resistance systems (SLR). Versions are available for right hand and left hand setups.

## Features

- + 1 pint (475cc) reservoir capacity
- + Setting adjustment from 1cc to 5cc per cycle
- + Wide range of oil viscosities
- + 5/16-24 connection port

## System Layout

MCP-5 cyclic oiler system consists of the following:

- + MCP-5R or MCP-5L
- + Metering kit for 4, 6 and 8 points (see page 30)

## How to Order

Description	Handle	Part #
MCP-5 Lubricator	Right hand	33318
	Left hand	33317



# Accessories and Kits

## Metering Kits for 4, 6 and 8 Points

Resistance-type meter unit selection, complete with all necessary tubing and fittings.

- + Easily adapts to various machine configurations
- + Closure plugs provided to handle smaller systems
- + All kit components individually bagged and identified

## Tubing Repair Kit

Offers selection of 5/32" O.D. (4mm) tubing, couplers, fittings and adapters to facilitate repairs or additions to the system.

## Pressure Gauge Kit

Panel mounted gauge, complete with 'tee' junction and fittings for main feed line connection to indicate auto-cyclic pressures.

## Extension Kit

LubeSite Extension Kit features a bracket to connect to your LubeSite Grease Feeder, nylon tubing and fittings. Up to 6 feet.

## Electrical Shut-Off Valve

- + 110-120 volt
- + Used on all LubeSite oilers except wick oilers

### How to Order

Description	Part #
Electrical shut-off valve	37654
Metering kit	4 lubrication points 32567
	6 lubrication points 32568
	8 lubrication points 32569
Tubing repair kit	K1079
Pressure gauge kit	32566
Extension kit (for series 200, 300, & 500)	37704



# Oil Level Sight Plugs

The specially designed “bulls eye” prism glass lenses are molded during the hermetic sealing process. The reflective “bulls eye” surfaces reflect light in the absence of any liquid, allowing liquid levels to be seen easily.

The one-piece design is compact and leakproof at high temperatures and pressures. LubeSite oil level sight plugs may be easily installed using pipe thread sealant or left unsealed.

**ATTENTION**

*Tapered pipe-thread sight glasses may be damaged by improper installation. Use socket wrench and high quality thread sealant. Tighten only enough to seal threads against leaks. If cracks appear in lens after installation, do not use.*

## Technical Data

Material	Cold rolled steel
Maximum Operating Temperature	500°F (260°C)

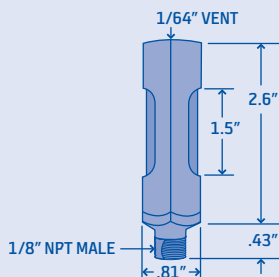
## How to Order

Maximum Pressure	Thread Size	Hex size	Lens Diameter	Part #
400 psi	3/8" NPT	3/4"	7/16"	LSPB 38
250 psi	1/2" NPT	7/8"	5/8"	LSPB 50
200 psi	3/4" NPT	1 1/8"	3/4"	LSPB 75
100 psi	1" NPT	1 3/8"	1"	LSPB 100
60 psi	1-1/4" NPT	1 3/4"	1 3/16"	LSPB 125



# LubeSite Vented Liquid Level Sight

LubeSite's accurate way to check liquid level in a closed tank. Both male and female models feature a large window on two sides for easy visual inspection, top venting for vertical mounting and a sight tube which is designed for easy cleaning.



Sights are sized to fit existing or readily available fittings. Heavy duty material is used through (black oxide steel). Sights measure .81" wide by 2.6" high (male) or 2.17" high (female).

## Technical Data

Operating Temperature

-10°F to 250°F (-23°C to 121°C)

## How to Order

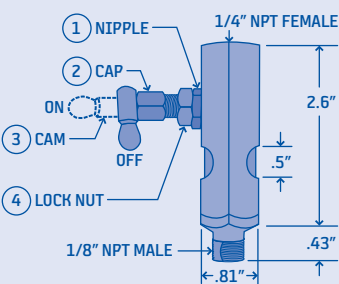
Description	Part #
Male	LLS-3M
Female	LLS-3F





# LubeSite Adjustable Valve Flow Sight

This cam makes small flow adjustments easier. The lock nut resists vibrations and maintains a preset flow. It has an easy to see lock on/lock off action with spring action to positively control the needle.



To set or change rate of flow, push cam (3) to horizontal position. Loosen lock nut (4). Turn cap (2) counter clockwise until oil is feeding properly. Lock setting with lock nut (4).

## Technical Data

Operating Temperature	-10°F to 250°F (-23°C to 121°C)
-----------------------	---------------------------------

## How to Order

Description	Part #
Adjustable valve/flow sight assembly 1/4" NPT(F) x 1/8" NPT(M)	824-3
Cam valve/flow sight assembly 1/4" NPT(F) x 1/8" NPT(M)	824-5
Cam valve/flow sight assembly 1/4" NPT(F) x 1/8" NPT(F)	824-6



# Adapters and Couplers

## How to Order

	Description	Material	Part #
	Straight adapter 1/8" NPT (F) x 1/4"-28 (M)	Zinc plated steel	20-1
		Nickel chrome plated	50-1
	Bushing adapter 1/8" NPT (F) x 1/4" NPT(M)	Zinc plated steel	20-2
		Nickel chrome plated	50-2
	45° adapter 1/8" NPT (F) x 1/8" NPT(M)	Zinc plated steel	20-3
		Nickel chrome plated	50-3
	90° adapter 1/8" NPT (F) x 1/4"-28 (M)	Zinc plated steel	20-4
		Nickel chrome plated	50-4
	90° adapter 1/8" NPT (F) x 1/8" NPT(M)	Zinc plated steel	20-5
		Nickel chrome plated	50-5
	45° adapter 1/8" NPT (F) x 1/4"-28 (M)	Zinc plated steel	20-6
		Nickel chrome plated	50-6
	Base coupler 1/4" NPT (F) x 1/8" NPT(M)	Zinc plated steel	202-2
		Nickel chrome plated	502-2
	Coupler 1/4" NPT (F) x 1/4"-28 (M)	Zinc plated steel	202-2A



# Industries

## LubeSite is Used in the Following Industries:

- + Air conditioning & refrigeration (commercial)
- + Amusement parks
- + Automotive
- + Aviation and aerospace
- + Baking (commercial)
- + Bottling
- + Bowling lanes equipment
- + Brewing
- + Car wash equipment
- + Chemical processing
- + Compressed air
- + Construction equipment
- + Conveyor equipment
- + Dairy
- + Elevators
- + Farming
- + Fertilizing plants
- + Food processing
- + Grain processing
- + Hospitals
- + Hotels
- + HVAC
- + Laundries (commercial)
- + Lumber
- + Machine tools
- + Maintenance and repair operations (MRO)
- + Marine
- + Mining (coal, iron, copper, silver, sulfur & quarry)
- + Motors
- + Oil (drilling and refining)
- + Optical grinding
- + Packaging
- + Port facilities
- + Printing
- + Pulp and paper
- + Pumps
- + Public utilities
- + Robots
- + Textiles
- + Tobacco
- + Waste treatment (sewage and solid)



# Innovators of engineered lubrication technology since 1872

Bijur Delimon International operates engineering, sales, manufacturing and logistical service centers in nine strategic locations around the globe while constantly striving for improvement in everything we do. Our customers, internal and external, expect nothing less!



## USA (MANUFACTURING)

*Bijur Delimon International*  
2685 Airport Road  
Kinston, NC 28504

(800) 227 1063 **TOLL-FREE**  
(252) 527 6001 **TEL**  
(252) 527 9232 **FAX**

## UNITED KINGDOM

*Denco Lubrication Limited*  
Ramsden Court  
Ramsden Road Rotherwas  
Industrial Estate  
Hereford, HR2 6LR

(+44) (0) 1432365000 **TEL**  
(+44) (0) 1432365001 **FAX**

## IRELAND

*Bijur Lubricating Ireland Limited*  
Gort Road  
Ennis, County Clare

(+353) 6568-21543 **TEL**  
(+353) 6568-29667 **FAX**

## GERMANY

*Delimon GmbH*  
Arminstrasse 15  
40227 Düsseldorf

(+49) 211 / 77 74-0 **TEL**  
(+49) 211 / 77 74-210 **FAX**

## FRANCE

*Bijur Products, Inc.*  
PB 50 - ZI de Courtabœuf  
9, Avenue de Quebec  
F-91942 Courtaboeuf Cedex

(+33) (0)169298585 **TEL**  
(+33) (0)169077627 **FAX**

## SPAIN

*Lubricacion Centralizada de Limon S.A.*  
Avenida Txori Erri 3  
48150 Sondica Vicaya

(+34) 94-453-2000 **TEL**  
(+34) 94-453-2500 **FAX**