

# DSP Series Lubricator

## Motor-driven, PDI Systems

### General

The DSP Series Lubricator is a motorized oil piston discharge pump driven by a DC motor, controlled by a controller or PLC (not included). The DSP Lubricator outputs oil continuously through reciprocal piston movement actuated by motor and transmission mechanism. It can be used in positive displacement injector (PDI) systems for light to medium industries, forging machinery, etc.

### Operation

The motor drives gears to reduce speed and actuates a piston that moves back and forth by means of a crank. With the movement, oil is pulled into an opening at the base of the pump and flows out past a check valve into the lubrication lines. Fixed quantities of oil can be delivered to each lubricating point at predetermined times when used with available programmed controller (sold separately). A relief valve is provided inside the pump to effectively protect lubrication system.

### Technical Data

Motor Voltage	24 VDC
Amperage	2 amp
Wattage	50 W
Max. Operation Pressure	1450 psi (100 bar)
Discharge	25 ml/min
Reservoir Capacity	1 and 2 liter
Thread of Outlet	1/8" NPT
Oil Range	N32-N460
Filling Oil	Filler cap
Low Level Switch	Available on 2 liter

### Notes Regarding Use

1. Before initial use, verify the pump's voltage and proper electrical connection.
2. Use clean oil only.
3. Fill reservoir through the oil fill cap.



Before installing or operating this product, please read this manual carefully. Failure to follow instructions can result in damage to the product and/or serious bodily injury.



Before performing service to product, always turn off and disconnect electrical power.



When connecting product, make sure that unit is securely and adequately grounded. Failure to ground properly may cause serious injury.



*DSP Lubricator (Oil)*

#### BIJUR DELIMON INTERNATIONAL

(919) 465 4448 LOCAL  
(800) 631 0168 TOLL-FREE  
(919) 465 0516 FAX

[WWW.BIJURDELIMON.COM](http://WWW.BIJURDELIMON.COM)

2100 Gateway Centre Blvd., Suite 109  
Morrisville, NC 27560

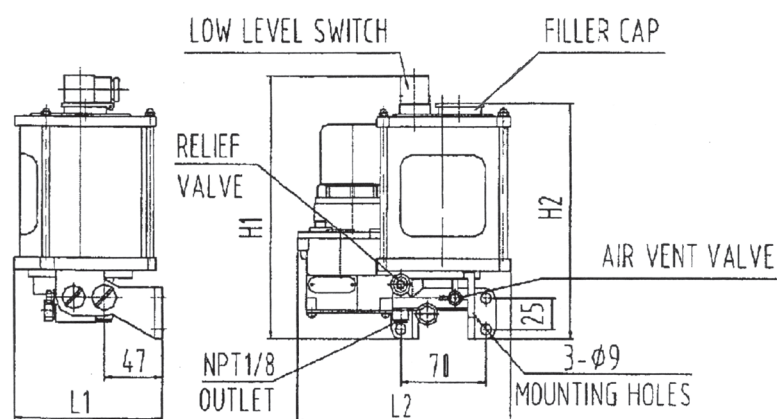
## How to Order

Name	Motor Voltage	Lubricant	Reservoir Capacity	Low Level Switch	Part #
DSP-260 Lubricator	24 VDC	Oil	1 Liter	No	44183-2U
			2 liter	Yes	44183-3SU

When ordering, specify by name, description and part number, e.g. DSP-260 Lubricator, 24 VDC, Oil, 2 liter, Low Level Switch, Part #44183-3SU.

## Dimensional Schematics

### Oil Models



Reservoir Capacity	L1	L2	H1	H2
1 liter	128mm	183mm	285mm	311mm
2 liters	142mm	240mm	294mm	320mm

## Wiring

### Motor Wires

Brown "+"

Blue "-"

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