

# MultiPort Lubricator

## Mobile, Grease

### General

The MultiPort Lubricator is an electrically driven multiple outlet lubrication unit design primarily for use with progressive divider valve systems. The unit is capable of housing up to three independent pumping elements for direct feed to lubrication points or through a distribution network of progressive divider valves. These lubricators are available with either 12 or 24 VDC motors which make them ideal for use in mobile applications. Use of a remote timer/controller (SMDC) is required for this lubricator.

### Operation

Power supplied to a motor with gear box drives a precision eccentric cam which engages with up to three spring load piston elements. This action creates a suction and pressure stroke of the element(s), thereby displacing a fixed volume of lubricant through an outlet check valve. Lubricant is discharged through main line tubing to a series of progressive divider valves and on to multiple lubrication points. Each piston element incorporates an adjustable relief valve. In addition adjustable piston elements are also available for this lubricator.

### Features

- + Compact rugged design
- + Minimal maintenance required
- + High pressure capabilities
- + Rotating mixing arm in reservoir assures grease delivery to inlet of pump element

### Technical Data

#### Lubricator

Reservoir Capacity	4 liter (8 lb)
Grease	NLGI grade 000-2
Maximum Working Pressure	3600 psi (240 bar)
Output/ min.	6.4cc (0.39 cu. in.) per element
Discharge Element Output Port	1/4" NPT(F)
Operating Temperature Range	-13°F to 122°F (-25°C to 50°C)
Operating Voltage	12 VDC, 24 VDC
Pumping Elements	1 to 3
Motor	As noted below
Fill Connection	Quick disconnect

#### Motor

IP Enclosure Rating	Voltage <sup>1</sup>	Amperage
IP-55	12 VDC	4 FLA
	24 VDC	2 FLA

<sup>1</sup> Operates at 40 rpm @ 68°F, 1000 psi back pressure



Refer to the following datasheets:

- + Datasheet #46911:  
SMDC Controller
- + Datasheet #35635:  
PVB Mobile Divider Valve

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## How To Order

Name	Reservoir Capacity	Voltage	Part #
MultiPort Mobile Lubricator	4 liter (8 lb)	12 VDC	35418C
		24 VDC	35418-2C

When ordering, specify by name, reservoir capacity, voltage, low level switch and part number, e.g. MultiPort Mobile Lubricator, 4 liter (8 lb) reservoir, 12 VDC, Part #35418C.

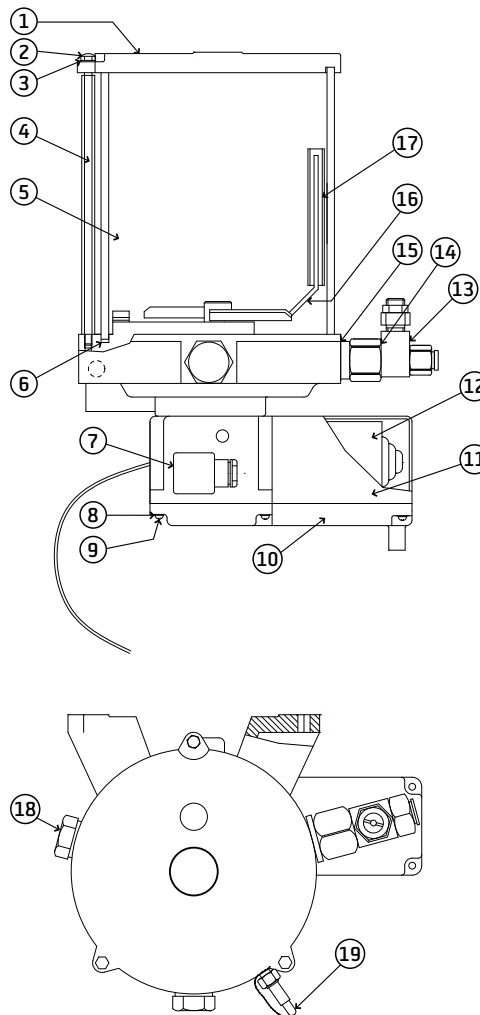
## Accessories

Description	Part #
Pressure gauge (3000 psi, 1/4" NPT, LM)	U902D
Pressure gauge (5000 psi, 1/4" NPT, LM)	U902F

## Service Parts

Item	Description	Part #	Qty.
1	Cover	43043	1
2	Nut	22188-3	3
3	Washer	22076-5	3
4	Tie rod: for 4 liter (8 lb)	44460-4	3
5	Reservoir: 4 liter (8 lb)	28205-1FB	1
6	O-ring	45831-1	1
7	DIN connector	41091	1
8	Washer	21434	6
9	Motor cover screw	22081-17	6
10	Motor cover (bottom)	28713	1
11	Motor cover (top)	28712	1
12	Motor (12 VDC) & worm gear	31703-2	1
	Motor (24 VDC) & worm gear	31703-1	1
13	Standard pump element w/ relief valve	28278-3	1
	Adjustable pump element (optional)	28234-2	1
14	Copper seal	25589-5	1
15	Copper seal	25589-7	1
16	Working arm	22469-2	1
17	Mixing arm wiper	22468	1
18	Plug*	22454	1
19	Grease fill fitting	30136-1	1

\* Copper seal (part #25589-7) required for installation.



### ATTENTION

The standard MultiPort Lubricator comes with one element. If you need additional elements see item 13 below.

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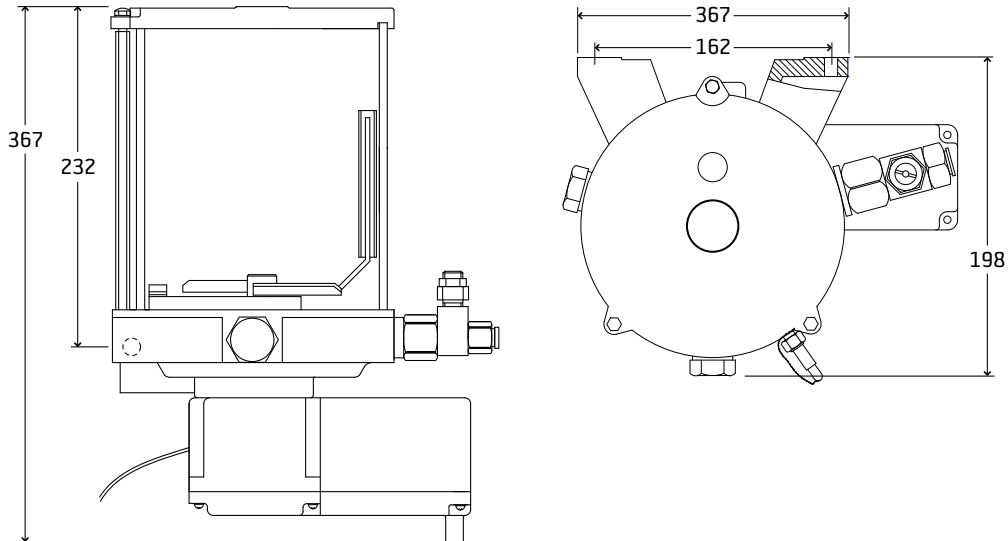
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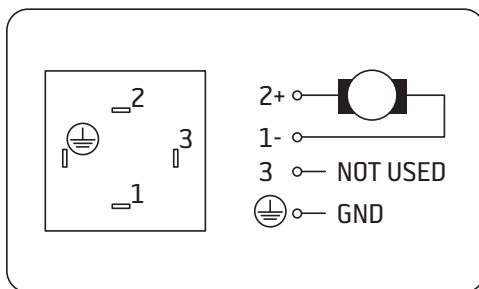
## Dimensional Schematics

Measurements shown in millimeters.



## Wiring

### DIN Power Connector



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