

MultiPort Lubricator

Grease, Injector



General

The MultiPort Lubricator is an electrically driven multiple outlet lubrication unit design primarily for use with injector systems. The unit includes two pumping elements for a distribution network of injectors. These lubricators are available in 115 VAC or 24 VDC versions which make them ideal for use in industrial applications. Use of a remote timer/controller (SMAC/SMDC) or customer PLC is required for this lubricator.

Operation

Power supplied to a motor with gear box drives a precision eccentric cam which engages with two 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 injectors and on to multiple lubrication points. The lubricator also includes a solenoid operated vent valve which relieves mainline pressure when the pump motor stops, allowing injectors to reset for the next cycle.

Features

- + Compact rugged design
- + Minimal maintenance required
- + High pressure capabilities
- + Follower in reservoir assures grease delivery to inlet of pump elements
- + Low level switch
- + 3000 psi unit for CXL2/FL Injectors

Technical Data

Lubricator

Reservoir Capacity	2, 4 & 8 liter (4, 8 & 16 lb)	
Grease	NLGI grade 000-2	
Maximum Working Pressure	3000 psi (207 bar)	
Output/ min.	115 VAC	10cc (0.61 cu. in.)
	24 VDC	12cc (0.73 cu. in.)
Discharge Element Output Port	1/4" NPT(F)	
Operating Temperature Range	5°F to 122°F (-15°C to 50°C)	
Operating Voltage	115 VAC, 24 VDC	
Motor	As noted below	
Fill Connection	Quick disconnect	

Motor

IP Enclosure Rating	Voltage	Amperage
IP-55	115 VAC	1.83 FLA
	24 VDC	2 FLA



Refer to the following datasheets:

- + Datasheet #46911:
SMDC Controller
- + Datasheet #46912:
SMAC Controller
- + Datasheet #35482:
CXL2 Injectors
- + Catalog # 414
FL Injectors

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Morrisville, NC 27560

How To Order

Name	Reservoir Capacity	Voltage	Relief Pressure	Part #
MultiPort Injector Lubricator	4 liter (8 lb)	115 VAC	3000 psi	37742
	8 liter (16 lb)	115 VAC	3000 psi	37847
	2 liter (4 lb)	24 VDC	3000 psi	37962
	4 liter (8 lb)	24 VDC	3000 psi	37741

When ordering, specify by name, reservoir capacity, voltage, and part number, e.g. MultiPort Injector Lubricator, 4 liter (8 lb) reservoir, 24 VDC, Part #37741.

Accessories

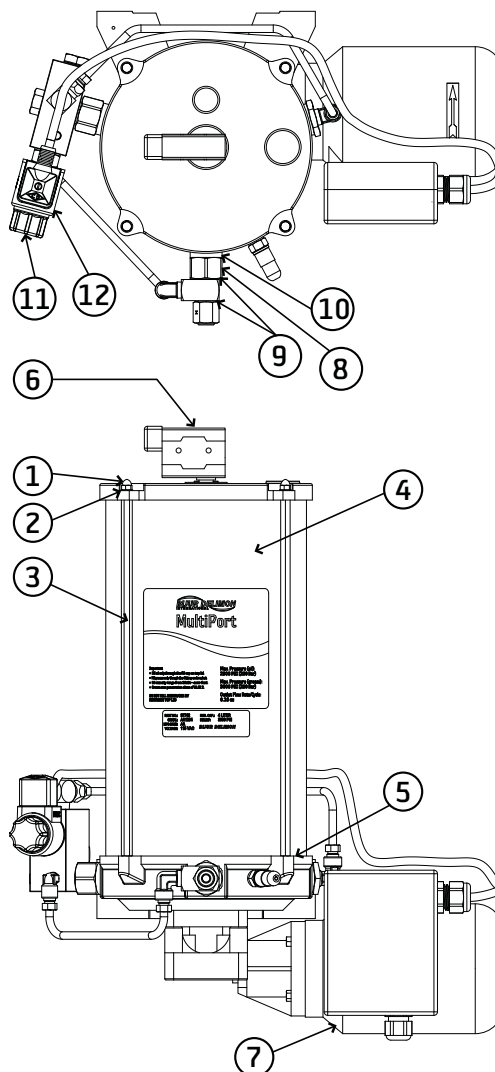
Description	Part #
Pressure gauge (5000 psi, 1/4" NPT, LM)	U902F



Service Parts 115 VAC

Item	Description	Part #	Qty.
1	Nut	22188-3	4
2	Washer	22076-5	4
3	Tie rod: for 4 liter (8 lb)	43125-5	4
	Tie rod: for 8 liter (16 lb)	43125-7	4
4	Reservoir: 4 liter (8 lb)	28205-2	1
	Reservoir: 8 liter (16 lb)	28205-4	1
5	O-ring	45831-1	1
6	Low level switch	30544	1
7	Motor (115 VAC) & worm gear	31711-2	1
8	Standard pump element	22480*	2
9	Copper seal	25589-5	2
10	Copper seal	25589-7	1
11	Cartridge Valve	37637	1
12	Coil 115 VAC	37743	1

* Copper seal part #25589-7(x1) & 25589-5(x2) required for installation.



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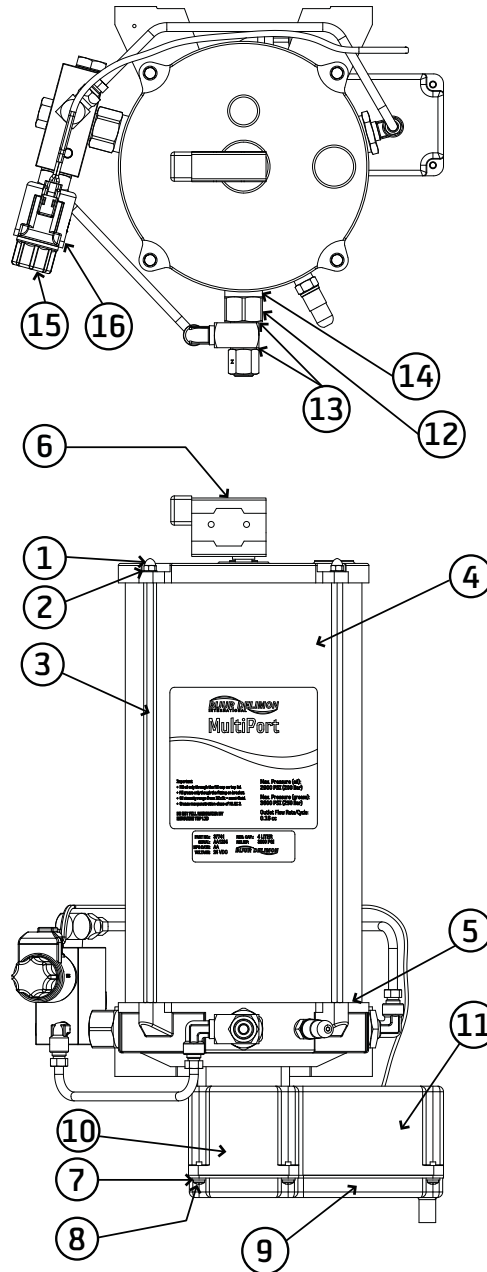
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Service Parts 24 VDC

Item	Description	Part #	Qty.
1	Nut	22188-3	4
2	Washer	22076-5	4
3	Tie rod: for 2 liter (4 lb)	21231-4	4
	Tie rod: for 4 liter (8 lb)	43125-5	4
4	Reservoir: 2 liter (4 lb)	28205-1	1
	Reservoir: 4 liter (8 lb)	28205-2	1
5	O-ring	45831-1	1
6	Low level switch	30544	1
7	Washer	21434	6
8	Motor cover screw	22081-17	6
9	Motor cover (bottom)	28713	1
10	Motor cover (top)	28712	1
11	Motor (24 VDC) & worm gear	31703-1	1
12	Standard pump element	22480*	2
13	Copper seal	25589-5	2
14	Copper seal	25589-7	1
15	Cartridge Valve	37637	1
16	Coil 24 VDC	37636	1

* Copper seal part #25589-7(x1) & 25589-5(x2) required for installation.



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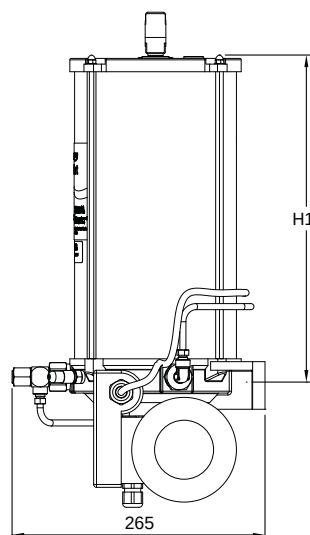
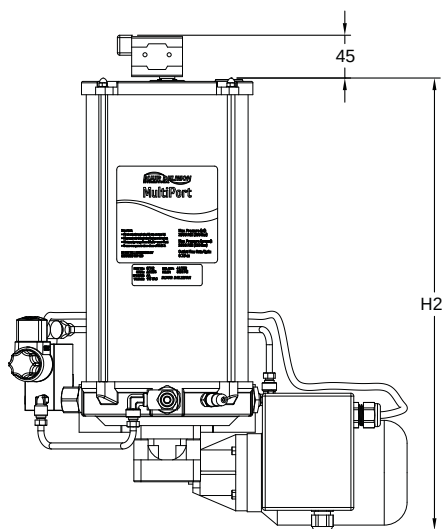
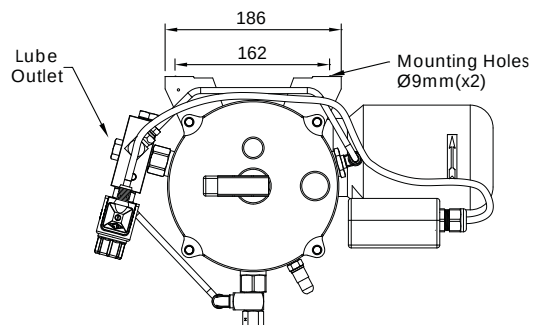
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Dimensional Schematics 115 VAC

Measurements shown in millimeters.



Reference	H1	H2
4 liter	343	475
8 liter	545	674

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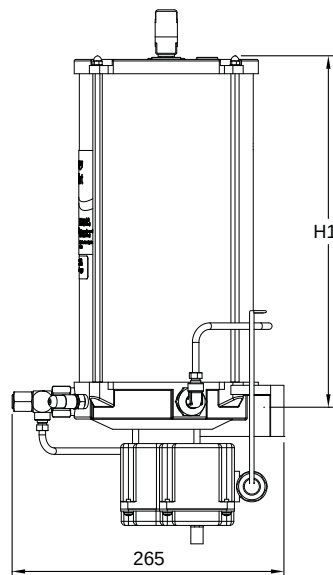
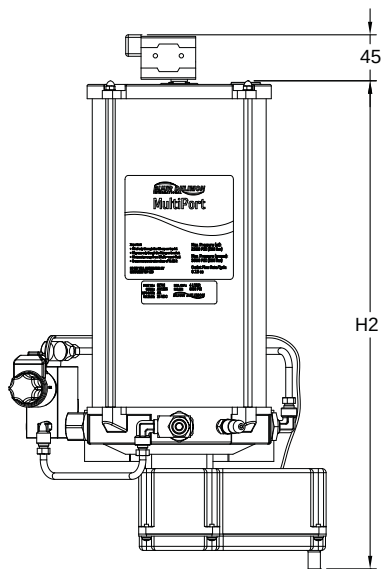
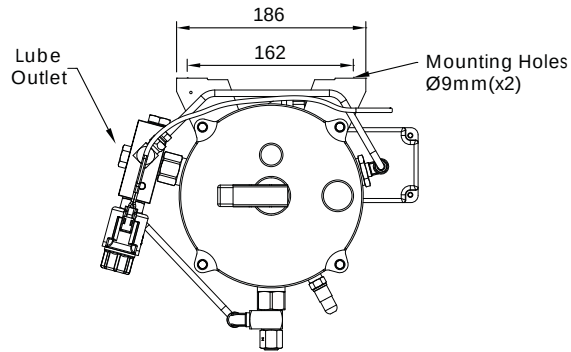
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Dimensional Schematics 24 VDC

Measurements shown in millimeters.



Reference	H1	H2
2 liter	245	376
4 liter	343	477

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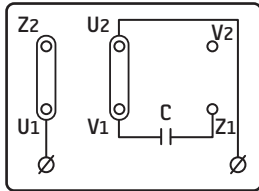
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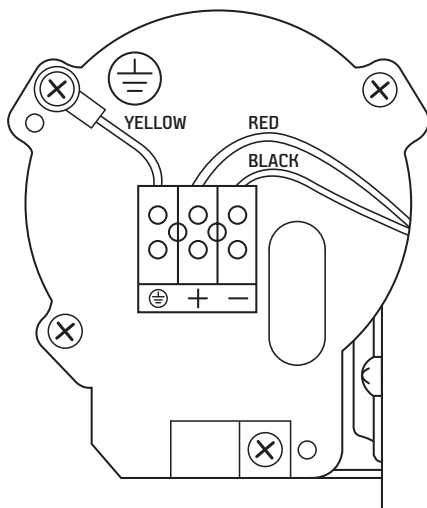
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Wiring

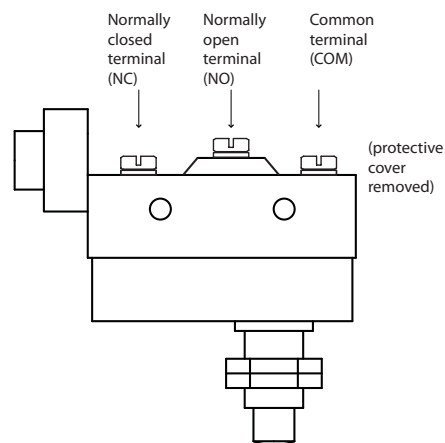
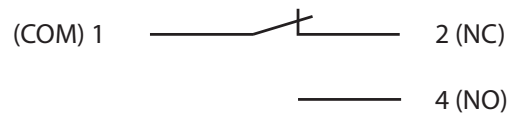
115 VAC



24 VDC



Level Switch 30544 Wiring



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