

DPG Lubricator

Pneumatic, Grease, Dualine Pump Station

General

The DPG Pneumatic Lubricator is an air-operated reciprocating lubricator that discharges a fixed amount of lubricant into systems during a lubrication cycle. It includes a transparent reservoir with low level and spring loaded follower, reversing valve, grease strainer, FRL, air solenoid valve and a filler fitting for refilling of reservoir.

Operation

As compressed air is introduced into the lubricator, the piston moves forward, forcing lubricant out of the lubricator. The air valve is then automatically triggered, causing the piston to change direction and move to its original position. The system is now ready for lubricant to be sucked into the cavity. Compressed air is introduced to the system again and the cycle repeats itself.

Application

The DPG Lubricator is designed to work with all Dualine valves, such as Farval DD and Farval DM series valves.

Features

- + High output pressure that can be controlled by regulated air supply pressure
- + Plate mounted for easy installation
- + FRL supplied to clean and condition the air
- + Air operated reciprocating pump 30:1 ratio
- + 10 lb grease reservoir includes low level switch warning and spring loaded follower plate to assure positive prime on the pump inlet
- + Grease strainer with cleanout is located on the pump outlet. (To clean strainer 1) remove access plug and screen 2) wash in solvent 3) blow dry and 4) replace. If the screen is damaged or lost, specify part #LS0205120.)
- + Reversing valve with system cycle switch, reverses at factory set 1500 psi (104 bar)
- + Normal system pressure at the pump will range from 1200-1500 psi

Technical Data

Reservoir Capacity	5 liter (10 lb)
Lubricant Range	NLGI grade 000-2
Outlet Pressure Range	3000 psi (207 bar) maximum
Pressure Ratio	30:1
Output/Min @ 100 psi air	100cc (6 cu. in.)
Air Consumption @ 100 psi	1.5 cubic feet per minute
Air Inlet	3/8" NPTF(F)
Lube Outlet	3/8" NPTF(F)
Power Supply Pressure Range	43-100 psi (3-7 bar)
Reservoir Material	Translucent acrylic



For Dualine system start-up refer to:

+ Brochure #DL29:
Farval Dualine Systems

For Dualine valve information refer to:

+ Operators Manual #DL600:
Dualine Valves

For reversing valve adjustment refer to:

+ Operators Manual #DL1200:
DR4-5 Reversing Valves

BIJUR DELIMON INTERNATIONAL

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

WWW.BIJURDELIMON.COM

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

Installation

Concerning the installation and start up of the central lubrication system, please follow instructions for the pump and filling of the distribution network. A grease nipple is installed on the reservoir base for filling the plastic reservoir. It is recommended that a dedicated auxiliary pail pump be obtained for pre-filling the lubrication system main lines. If you do not have a dedicated filling pump, order grease fill pump kit (part #F335). This kit includes a 55:1 high pressure pail pump, deluxe cover for #35 pail (5 gallon) and a hose kit with air & grease hoses. A grease follower plate (part #F962) is recommended to reduce air from entering during filling process.

WARNING

The grease fill pump kit (part #F335) is high pressure. Follow instructions supplied with kit.

Start Up Instructions

1. The lubricating system must be purged of all air in the main supply lines.
2. Always fill the reservoir with lubricant recommended by equipment manufacturer. Mixing grease is not recommended.
3. When filling the reservoir, connect to the nipple on the base casting, then pump grease into the plastic cylinder. The metal follower plate will rise. Stop pumping when the plate reaches the top. The reservoir has a vent on the rear which will exhaust grease if overfilled.
4. Avoid pumping air into the reservoir.

How To Order

Name	Part #
DPG Lubricator	39948

When ordering, specify by name and part number, e.g. DPG Lubricator, Part #39948.

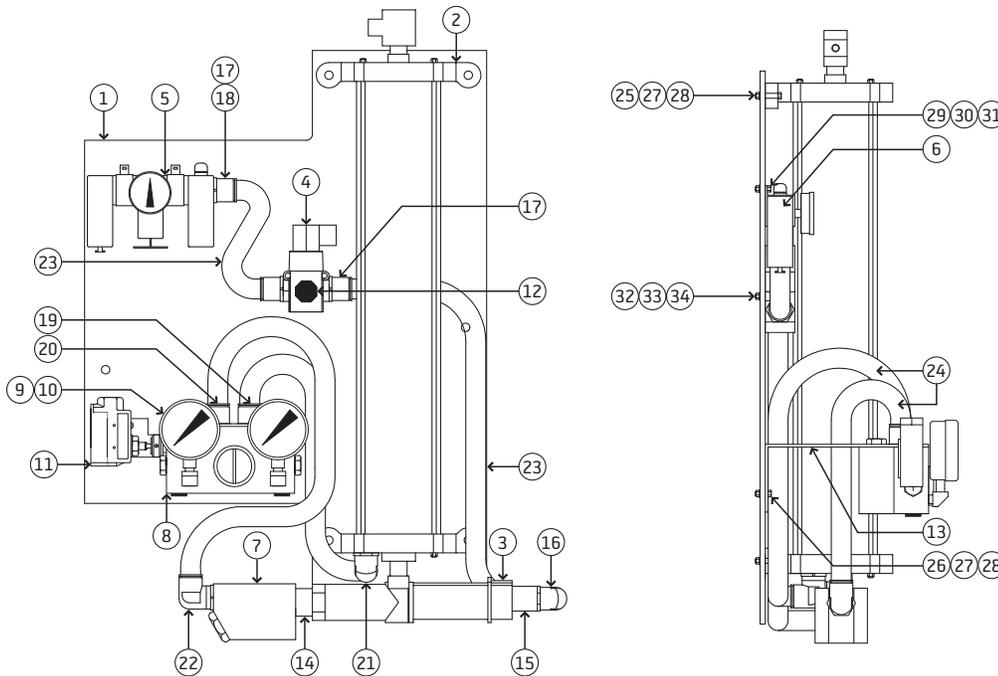
BIJUR DELIMON INTERNATIONAL

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

WWW.BIJURDELIMON.COM

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

Service Parts



Item	Description	Part #
1	Mounting plate	37148
2	10 lb reservoir	T32P5AC
3	Reciprocating pneumatic pump	33457
4	Solenoid	U10626A1
5	FRL combo	F984
6	FRL bracket	F989
7	Strainer	LS02120
8	Reversing valve	DR45
9	Gauge	U902F
10	ELL 90° street 1/4" NPTF	U1104B
11	Switch & bracket assembly long	FT15801C8
12	Breather filter vent 3/8" pipe	A4256-2
13	Bracket mounting 5-3/4" x 6"	BRA11019B
14	Nipple 1/4" NPT x 1/8" BSPT	U101B1
15	Adapter, 1/8" NPT x 1/8" BSPT	79S2A2RT
16	Elbow, 5/16" tube x 1/8" NPT, PTC fitting	32179
17	Straight, 5/16" tube x 1/4" NPT, PTC fitting	32180
18	3/8" male x 1/4" female, bushing	FIT13682A40
19	Fitting, 3/8" tube x 1/8" NPT, straight	U83D1

20	Fitting, 3/8" tube x 1/4" NPT, straight	U83D2
21	Fitting, 3/8" tube x 1/8" NPT, elbow	U87D1
22	Fitting, 3/8" tube x 1/4" NPT, elbow	U83D2
23	Tubing, nylon 5/16"	20100
24	Tubing	U424E6
25	Screw 3/8-16 x 1 3/4 hex, GR5 steel	U204C5
26	Screw 3/8" x 1 hex cap, GR5 steel	U204C2
27	Nut 3/8" hex	U219C
28	Lockwasher 3/8" split	U213G
29	Screw 5/16-18 hex, GR5 steel	U204B2
30	Nut 5/16-18 hex	U219B
31	Washer lock 5/16" x 11/32" x 19/32"	U213F
32	Screw 1/4-20 x 1-3/4, HSH steel	U225A8
33	Nut 1/4-20 x 7/16 hex, steel	U219A
34	Washer lock 1/4" x 17/64" x 13/64"	U213ES

BIJUR DELIMON INTERNATIONAL

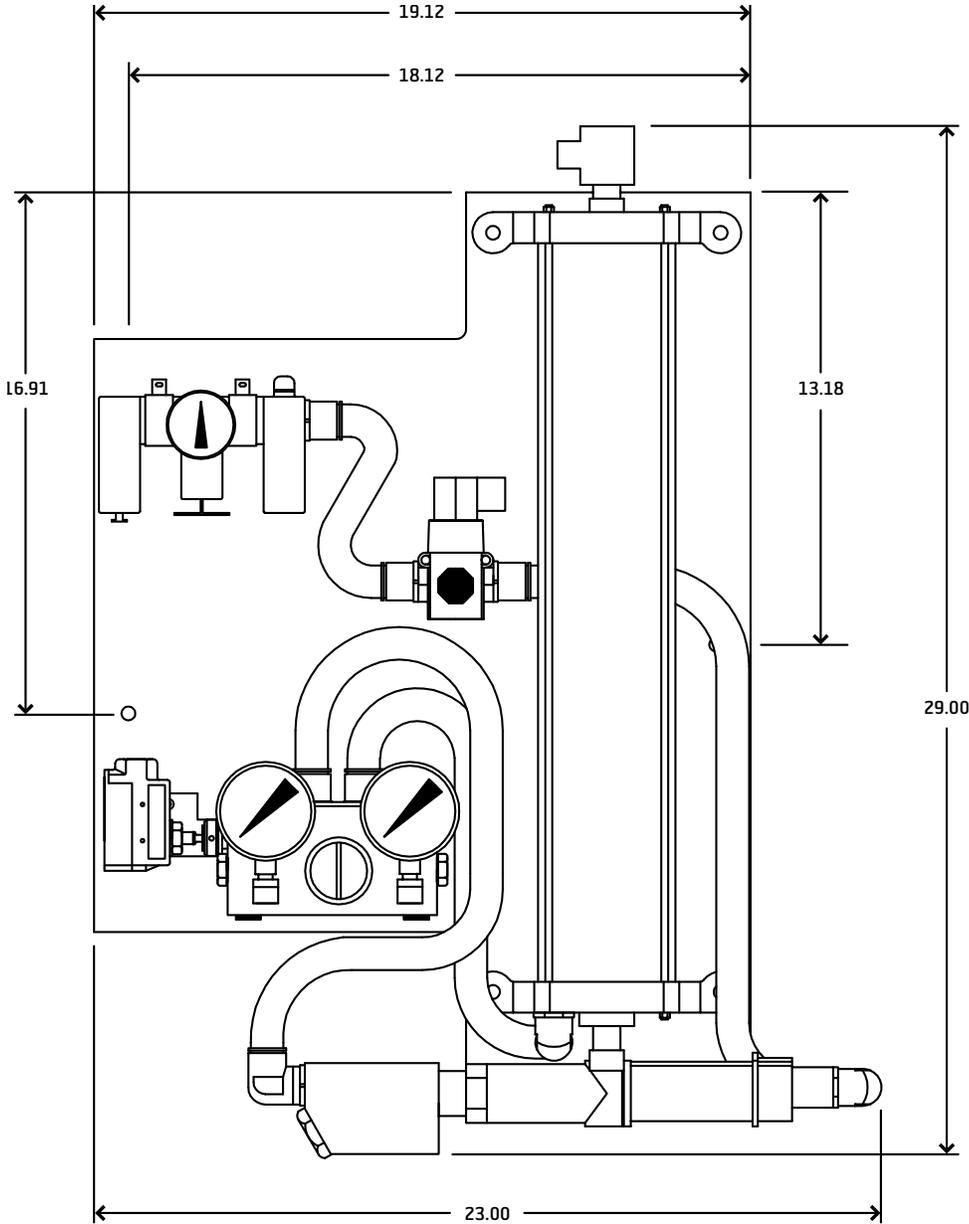
(919) 465 4448 LOCAL
 (800) 631 0168 TOLL-FREE
 (919) 465 0516 FAX

WWW.BIJURDELIMON.COM

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

Dimensional Schematics

Measurements shown in inches.



BIJUR DELIMON INTERNATIONAL

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

WWW.BIJURDELIMON.COM

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