

GPO Lubricator

Motor-driven gear pump, Oil

General

The GPO Lubricator is a motor-driven gear pump that is designed for use with single line centralized lubricating systems utilizing progressive distributors or injectors. Standard features include: liquid level indicator, pressure gauge and strainer filler cap. An adjustable pressure regulating oil bypass valve is standard on Progressive systems and a dump valve is standard on Positive Displacement Injector (PDI) systems. Programmable controllers are available to operate the lubricator.

Technical Data

Maximum Discharge Pressure	1000 psi (69 bar)	
Operating Temperature Range	40°F to 105°F (5°C to 40°C)	
Reservoir Capacities	6 liter, 12 liter, 30 liter	
Discharge	275cc/min (Single Phase)	
	500cc/min (Three Phase)	
Materials	Steel (6 & 12 liter), Aluminium (30 liter)	
Pressure Switch Setting	750 psi (52 bar) n/o and n/c changeover contacts	
Pressure Gauge Range	0-2321 psi (0-160 bar)	
Level Switch Connection	DIN43650 Electric connector and M12 connector options	
Output Connection	1/4" NPT (left and right options)	
Oil Viscosity	20-1500 cSt	
Bypass Valve	Progressive	Adjustable 0-1000 psi (0-69 bar)
Dump Valve	PDI	Standard
Oil Return Port	1/4" NPT	
Reservoir Filling	Fill cap with inlet strainer (40 mesh)	
	Automatic approved quick connect inlet (no strainer)	

Motor

Single Phase	Description	TENV, continuous duty motor w/ conduit box
	Supply Voltage	115 VAC
	Frequency	50/60 Hz
	Amperage	0.78 amp
Three Phase	Description	Continuous duty motor
	Supply Voltage	230-415 VAC (50 Hz)
		260-480 VAC (60 Hz)
	Frequency	50/60 Hz
	Amperage	0.36 amp



Refer to the following documents:

- + Datasheet #46912:
SMAC Controller
- + Brochure #414:
ExactoServe Components
- + Datasheet #35217:
PVB Divider Manifold
- + Brochure #SL2800:
Singline Components

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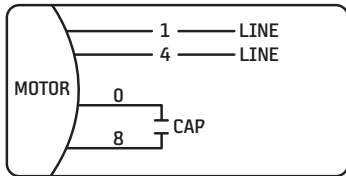
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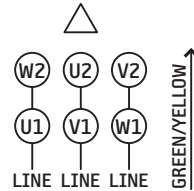
Wiring

Single Phase

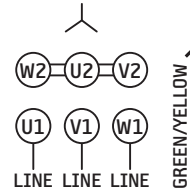


Three Phase

220-240 VAC, 50/60 Hz or
255-280 VAC, 50/60 Hz

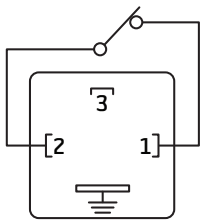


380-420 VAC, 50/60 Hz or
440-480 VAC, 60 Hz

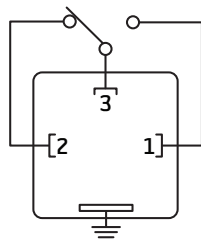


Low Level Switches

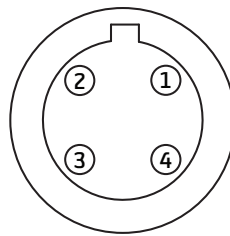
AC368/AC368-1



AC180-1

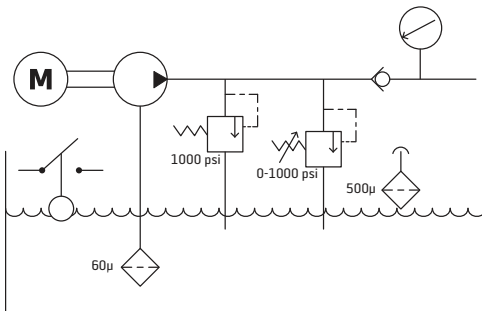


M12 Electric Connection

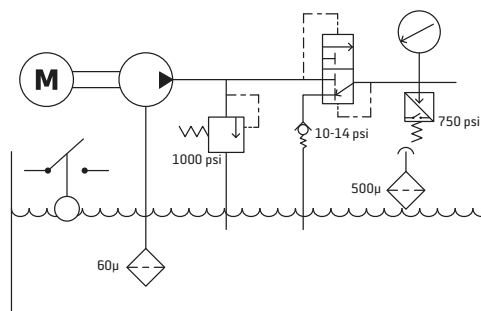


- 1. Brown (Not used)
- 2. White
- 3. Blue (Not used)
- 4. Black

Hydraulic Schematic (Progressive)



Hydraulic Schematic (PDI)



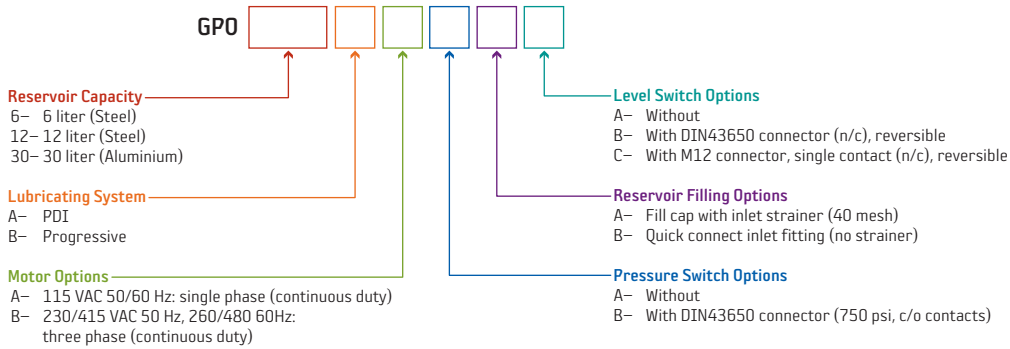
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How to Order



Service Parts

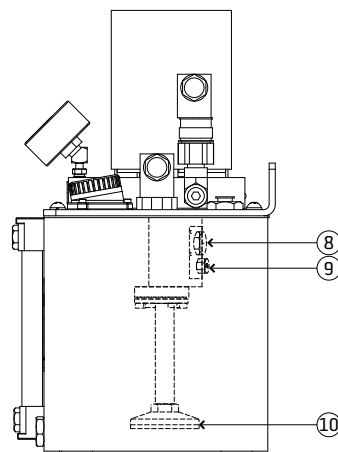
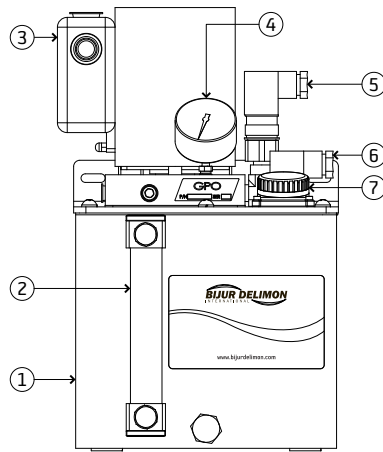
Item	Description		Part #
1	Reservoir ¹	6 liter	29165
		12 liter	29167
		30 liter	AT3015
2	Visual sight gauge	6 liter	24116-6
		12 liter	19312
		30 liter	29631
3	Motor	Single Phase	36400
		Three Phase	23233
4	Pressure gauge		29161
5	Pressure switch (PDI)		29171
6	Low level switch	6 liter ²	AC368-1
		12 liter ²	AC368
		30 liter ³	AC180-1
		6 liter ⁴	29632-1
		12 liter ⁴	29632-2
		30 liter ⁴	29632-3
		7	Filler cap w/ inlet strainer
	Automotive quick connect kit	35152	
8	Dump valve kit (PDI)		34799
9	Relief valve		29183
10	Inlet filter		24342

¹ Includes visual sight gauge and drain plug

² NC (float reversible to NO), DIN43650 Electric conn.

³ NC and NO c/o contacts DIN43650 Electric conn.

⁴ NC (float reversible to NO), single contact M12 Electric connection



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Dimensional Schematics

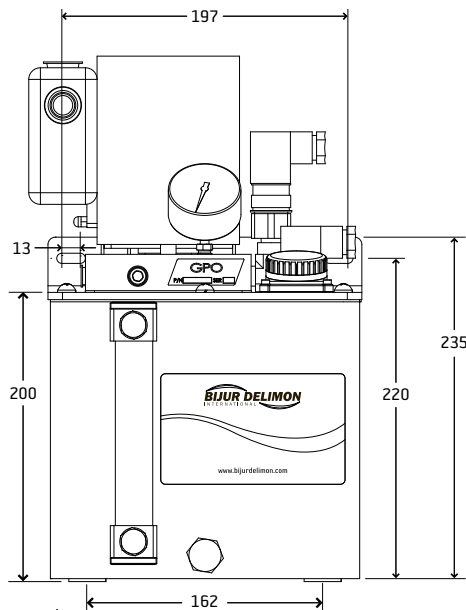
GPO 6 Liter (115 VAC Single Phase)

Measurements shown in millimeters.

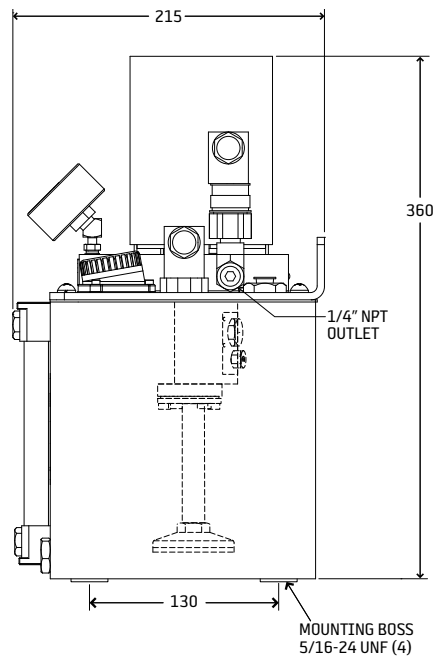
ATTENTION

Single Phase motor shown. Three Phase motor also available.

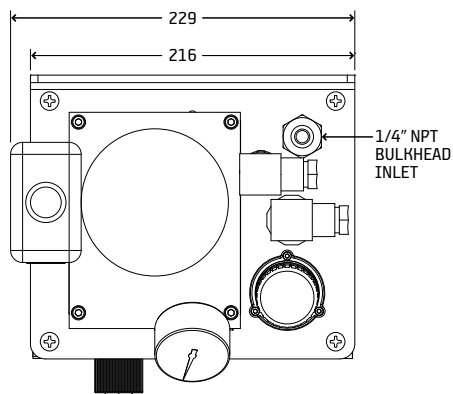
Front View



Right View



Top View



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Dimensional Schematics

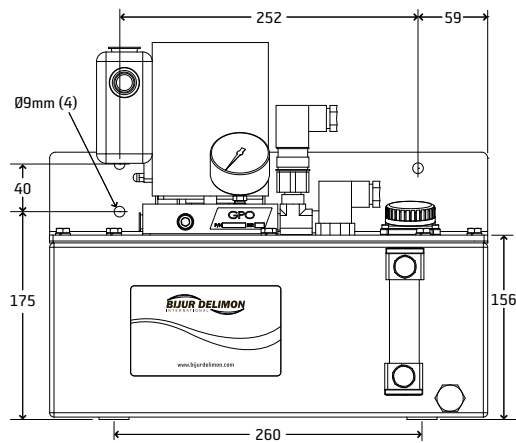
GPO 12 Liter (115 VAC Single Phase)

Measurements shown in millimeters.

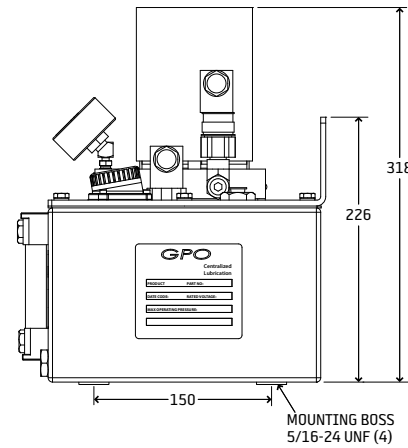
ATTENTION

Single Phase motor shown. Three Phase motor also available.

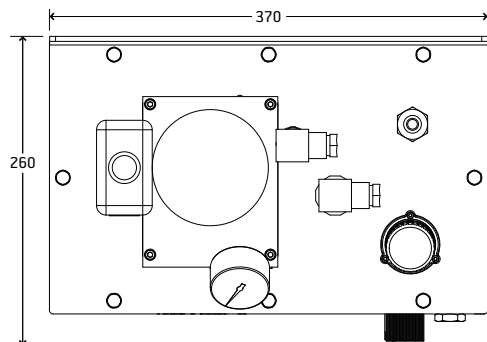
Front View



Right View



Top View



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Dimensional Schematics

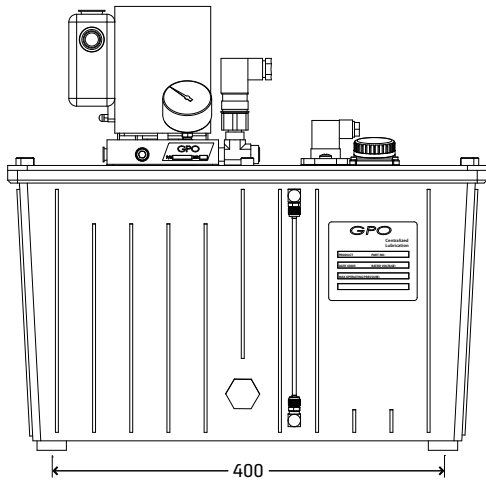
GPO 30 Liter (115 VAC Single Phase)

Measurements shown in millimeters.

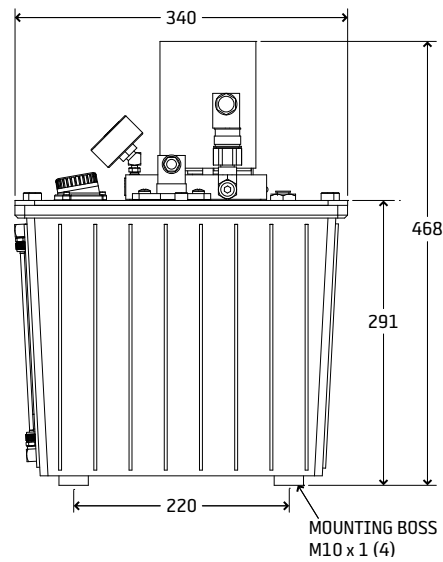
ATTENTION

Single Phase motor shown. Three Phase motor also available.

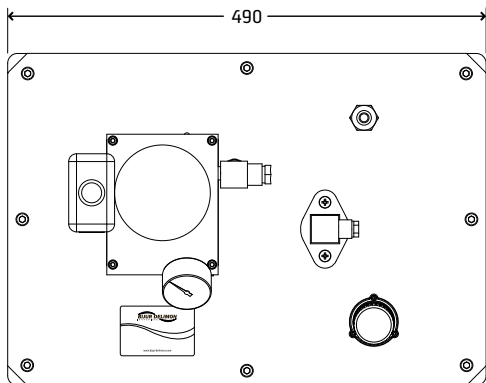
Front View



Right View



Top View



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