

V5W Lubricator - 3 Phase

Automatic Continuous



Operation

The V5W Lubricator consists of a motor-driven gear pump with a controlled constant volume discharge. The fully automatic lubricating system is preset by the machine manufacturer for best operation. Discharge volume may be adjusted by turning the bypass valve counter-clockwise to reduce the pressure and thus automatically reduce the amount of oil, or by closing valve to increase pressure and oil flow.



Technical Data

Three Phase Motor	Motor	0.08 / 0.10 hp 50/60 Hz CONTINUOUS DUTY, T.E.F.C.
	Voltage	230-240/400-415 VAC 50 Hz
		260-280/440-480VAC 60 Hz
	Frequency	60/50 Hz
	Speed	1230/1480 rpm 50/60 Hz
Maximum Ambient Temperature	104°F (40°C)	
Pump	Outlet Connection	1/8"NPTF
	Bypass Regulation	0-200 psi (60102/60104)
		0-130 psi (60103)
	Inlet Filter	125 Micron

Note: Motor enclosure with conduit inlet. Direction of enclosure can be orientated in four ways.

ATTENTION

Use clean oil only of the type and viscosity recommended by machine manufacturer.

ATTENTION

Replace filter group annually.

Discharge Adjustment

The V5W Lubricator is preset with a closed bypass valve for a maximum discharge of 120cc per minute (100cc with a 50 cycle motor). With lubricator at normal operating temperature on machine, desired discharge volume is obtained by adjusting the bypass valve to pre-calculated pressure on system pressure gauge (see *Bijur Engineering Manual*). Pressure is limited internally to 130 psi by a relief valve (on some models limited to 200 psi).

System & Limitations

Use Type C control units. Viscosity range is 100 to 10,000 SSU at operating temperature. See *Bijur Engineering Manual* for system limitations.

BIJUR DELIMON INTERNATIONAL

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Morrisville, NC 27560

Startup Instructions

1. Fill reservoir with oil.
2. Start machine and see that oil flows at all bearings.

Maintenance

Check oil level daily and refill reservoir when required. Replace filter group annually.

Filter Replacement

An inlet filter provides primary protection of the lubricating system. The filter should be inspected every six months. If not clean, replace. To replace filter, remove snap ring which releases clamp ring, filter disc ring and screens. Insert new screens, coarse screen first and filter disc ring. Reassemble clamp and snap ring.

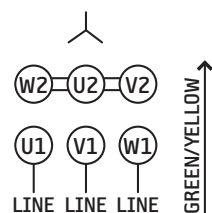
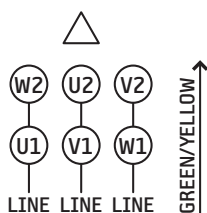
Motor Replacement

1. Disconnect the electrical supply from the motor, disconnect system tubing and remove lubricator unit from the oil reservoir.
2. Turn the lubricator unit upside down and remove the filter inlet connector rod / filter from the pump by turning the hex of the filter carefully in a counter-clockwise direction. Also remove the inlet gear pump adaptor and O ring that connect the inlet filter rod to the gear pump.
3. Remove the two M4 SHC screws holding the gear pump to the downspout and remove the gear pump. Remove the three #8-32 socket cap screws holding the downspout onto the motor adaptor plate and lift the downspout clear from the motor / adaptor plate.
4. Remove the three M5 SHC screws that are holding the motor adaptor plate onto the motor and then carefully pull the motor driveshaft / motor coupling from the motor shaft.
5. Replace the motor and carefully re-assemble the motor driveshaft / motor coupling onto the new motor shaft. The motor coupling must be equally spaced between the motor driveshaft and the motor shaft.
6. Re-assemble the motor adaptor plate onto the motor and insert the three M5 SHC screws. Re-assemble the downspout onto the motor adaptor plate by carefully lining up the three holes and inserting and tightening the three #8-32 socket cap screws.
7. Re-assemble the gear pump to the downspout, ensuring that the shaft of the gear pump meshes with the motor driveshaft. Place the inlet gear pump adaptor and O ring onto the gear pump and then insert the two M4 SHC screws to hold in place.
8. Re-assemble the filter inlet connector rod / filter into the gear pump adaptor.

Motor Wiring - 3 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



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How to Order

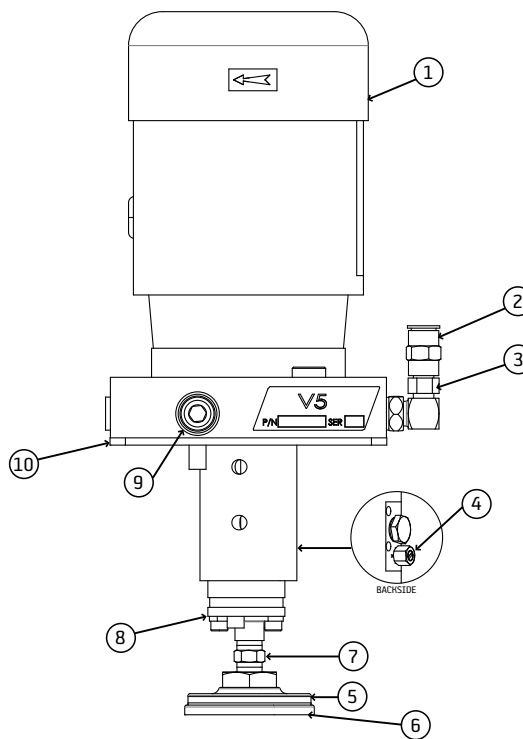
Name	Motor	For Reservoir Capacity	Part #
V5W Lubricator*	Three Phase	1 gallon	60103
			60102
		5 gallon	60104

* Reservoirs must be ordered seperately.

When ordering, specify name, motor, reservoir capacity and part number, e.g. V5W Lubricator, three phase, Part #60103.

Service Parts

Item	Description	Part #
1	Motor	29019
2	Straight adapter	B6539
3	Check valve	B5880
4	Pressure relief valve: 130 psi max. (60103)	B6898
	Pressure relief valve: 200 psi max. (60102, 60104)	B5643
5	Filter assembly	B5909
6	Filter group	S181
7	Filter connector (60102, 60103)	B6963-1
	Filter connector (60104)	B9635
8	Gear Pump	25937-1
9	Bypass valve kit (Includes adjustment stem & O-ring)	60446
10	Mounting gasket	B6903-1



Refer to the following datasheets for available reservoirs:

+ Datasheet #2304:
Reservoir- 1 Gallon

+ Datasheet #2305:
Reservoir- 5 Gallon

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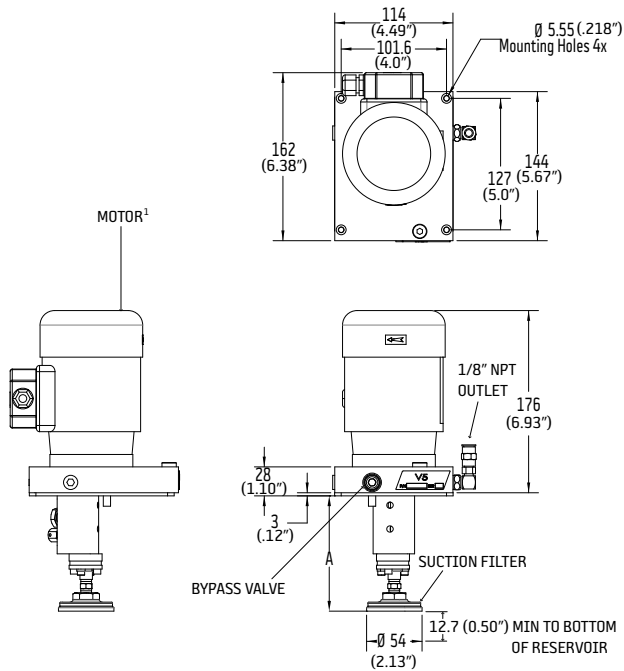
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Dimensional Schematic 60102/60104

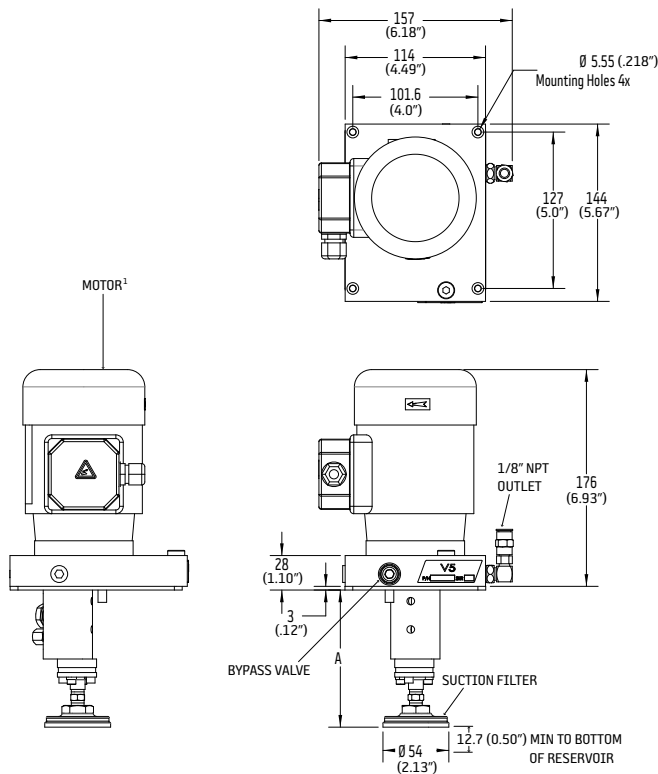


Measurements shown in millimeters.

¹ Motor shape is Bijur Delimon's option.

² Part #B6903-1 included with lubrication unit.

60103



Part #	A
60102/60103	4.53" (115mm)
60104	12.60" (320mm)

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