

Reservoir – 1 Gallon

For Lubricator Types TM-5, V3 and V5/V5W

General

Reservoirs with a 1-gallon capacity are available complete with covers for use with lubricator types TM-5, V3 and V5, as shown in this data sheet. While some of the reservoirs illustrated are shown with a float-operated mercury switch, they can also be furnished without a switch by specifying the proper part number.

Reservoir D3027 is for use with V5W lubricator units in return systems. The settling chamber has two alternate return ports and the reservoir fill port. All oil that enters the reservoir goes through a 120 mesh settling screen. This insures long filter life for the lubricator suction filter and system pressure filter. The settling chamber screen is serviceable without disconnecting pump, tubing or wiring. One access plug in the cover permits replacement of oil level indicator tube without removal of lubricator unit or cover from reservoir.

Reservoirs D2591 and D2593 are used in non-return V5W lubricator systems with a 1-gallon refill capacity.

Reservoir assembly D3295 is for use with V3 and TM-5 lubricator units in non-return systems. One access plug in the cover permits replacement of oil level indicator tube without removal of lubricator unit or cover from reservoir.

Wiring

Reservoirs with a float operated switch have a mercury tube with 3 lead wires. In both extreme angular positions one circuit is closed and the other circuit is open. In a mean, or horizontal position, both circuits are closed. Thus it is possible through different wire combinations to use this switch for actuating various signal or control circuits. Examples of several possibilities and the wiring instructions for each are given below:

1. To actuate a warning signal (light, bell, buzzer, etc.) when the reservoir requires refilling.

This warning signal will stay "on" until the reservoir is refilled after which it will turn "off" automatically.

Wiring: Connect terminals 2 and 3 to the signal line circuit.

2. To actuate a safe running signal (green light) indicating an adequate oil supply to assure proper lubrication of the machine and to actuate a warning signal (red light, bell, buzzer, etc.) when this supply "nears" the minimum allowable level. If this warning signal is ignored, the safe running signal circuit will open when the minimum allowable level is reached but the warning signal circuit will remain closed until the reservoir is refilled. Refilling of the reservoir will automatically close the safe running signal circuit and open the warning signal circuit.

Wiring: Connect terminals 1 and 2 to the safe running signal circuit and 2 and 3 to the warning signal circuit.



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3. To actuate a warning signal (red light, bell, buzzer, etc.) when the reservoir supply “nears” the minimum allowable level and to stop the machine if this warning is ignored and the supply drops to the actual minimum allowable level. The machine can be restarted and the warning signal will turn off automatically only after the reservoir is refilled.

Wiring: Connect terminals 2 and 3 to the warning signal circuit, and terminals 1 and 2 to the machine’s control circuit.

4. To stop a machine automatically when the reservoir requires refilling. The machine can be restarted only after the reservoir has been refilled.

Wiring: Connect terminals 1 and 2 to the machine’s control circuit.

Note: This same wiring can be used to have a safe running signal (green light) which is normally “on” go “off” to indicate the need for refilling the reservoir.

Switch Rating

Non-inductive Resistance Amperes		Motor Horsepower	
		Repulsion Induction	Split Phase and DC
115 VAC	230 VAC	115/230 VAC	115/230 VAC
8 amps	4 amps	1/2 hp	1/6 hp

How to Order

Name	Lubricator Unit Type	Access Plugs ¹	Float Switch	Settling Chamber	Part #
1 Gallon Reservoir	V5/V5W	ONE	YES	NO	D2591
		ONE	NO	NO	D2593
		ONE	NO	YES	D3027
	V3 and TM-5	ONE	NO	NO	D3295

¹ Access plugs in the cover permit replacement of oil level indicator tube without removal of lubricator unit or cover from reservoir.

When ordering specify name and part number such as: 1 gallon reservoir with float switch, Part #D2591.

Refer to the following datasheets for available lubricators:

+ Datasheet #35771 & 35963:
V5W- For 1 & 5 Gallon Reservoirs

+ Datasheet #35468 & 21836:
V3 & TM5 For 1 Gallon Reservoir

Mounting Hardware:
(Sold Separate)
4pcs HS332 screws
4pcs HW310 washers

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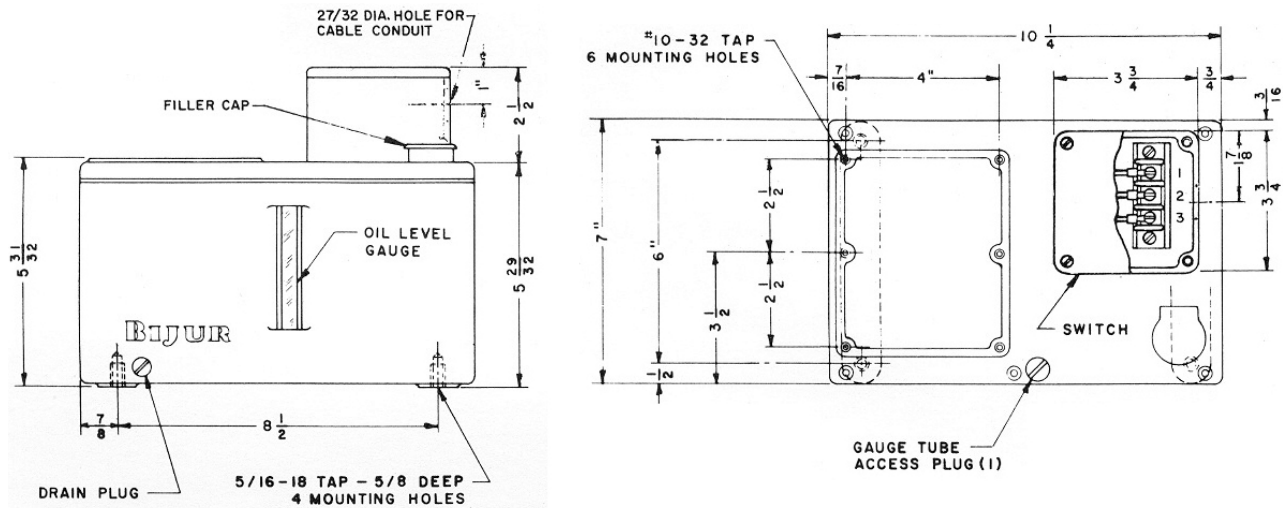
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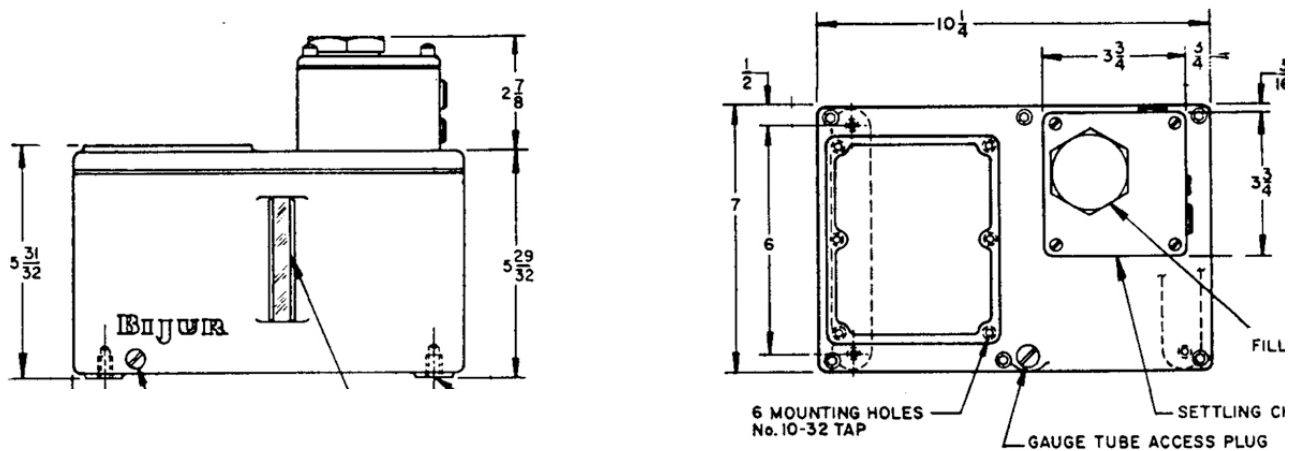
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Dimensional Schematics

1 Gallon Reservoir D2591 (Lubricator Type V)



1 Gallon Reservoir D3027 (Lubricator Type V5W)



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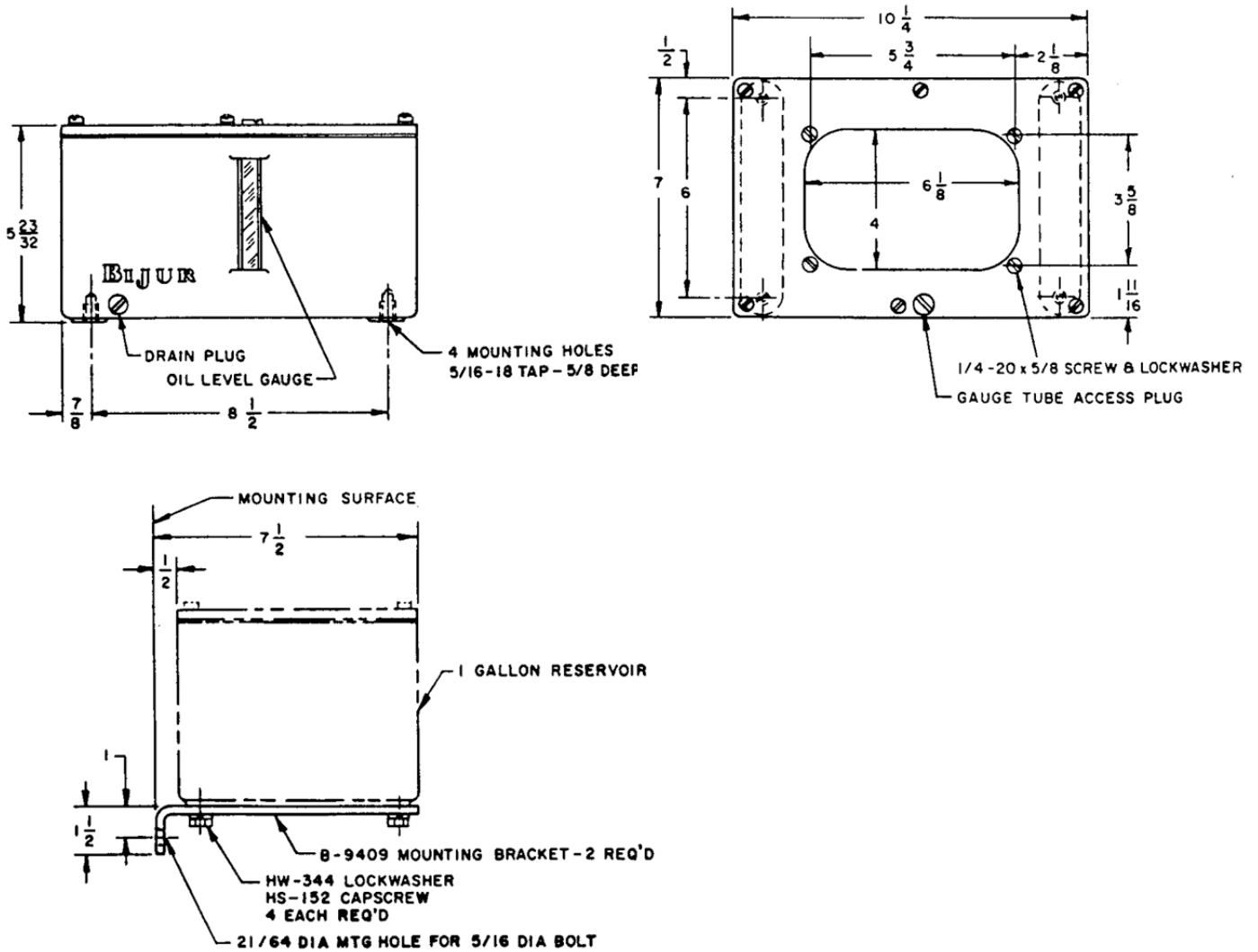
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Dimensional Schematics

1 Gallon Reservoir D3295 (Lubricator Types V3 & TM-5)



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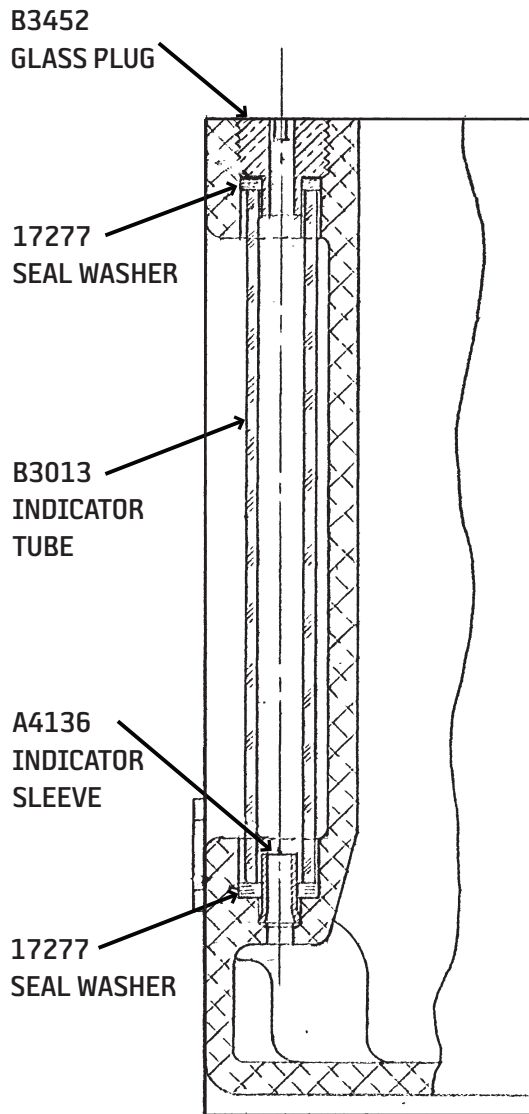
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Service Parts

Sight Glass



RESERVOIR	FILL CAP
D2591	B9230C
D2593	B9230C
D3027	B9842
D3295	NONE

Drain Plug & Seal

B4248 Plug

H0415 Seal

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