



Lubricator TM-1

automatic cyclic

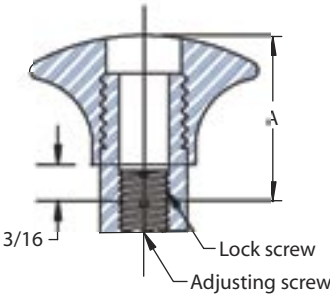
Operation

Lubricator is a motor-driven, spring discharge piston pump. The motor incorporates a gear reduction which determines the operating cycle time of the pump piston. Available cycle times are shown in the table below.

Volts	Lubricator cycle time in minutes		Without level switch	With level switch
	50 Hz	60 Hz	Part No.	Part No.
115V	145	120	C2731	C2889
	72	60	C2739	C2890
	15	12.5	C2741	C2891
	7.5	6.25	C2803	C2896
230V	9	7.5	C2774	C2897
	145	120	C2763	C2892
	72	60	C2764	C2893
	15	12.5	C2765	C2894
115/230V	2	1.7	C2798	C2895

Discharge Volume Per Cycle

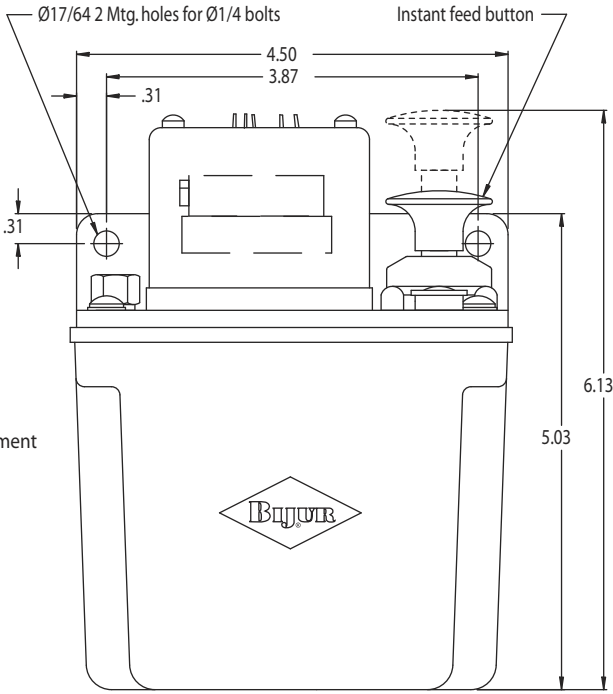
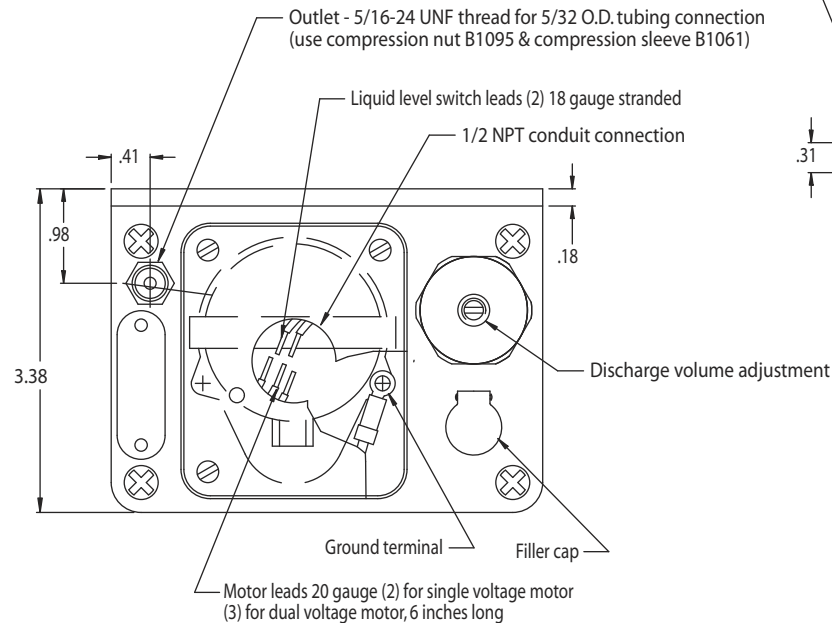
Adjustable from 0.2cc minimum to 1.0cc maximum. Lubricator is supplied set at maximum discharge, 1.0cc (maximum piston stroke). For less delivery, remove lock screw, measure “A”, turn adjusting screw clockwise, increasing “A” by “B” dimension.



B	Discharge
.440	.2cc
.330	.4cc
.220	.6cc
.110	.8cc
0	1.0cc

Discharge Pressure Range

20–50 psi. Pressure will decrease as the number of Meter Units in the system increases.



Oil viscosity range

150 to 8000 SSU at operating temperature.

Reservoir capacity

1 Pint (475 cu. cm.)

Lubricator inlet filter

40 micron particle separation. It should be inspected periodically and cleaned or replaced, as required.

Distribution system

Uses Type 'F' Meter Units. Limitations - For System Ø Limitations, see "Engineering Manual." For System Flow Value (ØT) limitations, refer to table below.

No. of meter units	Oil discharge in cc's per cycle		
	.25	.50	1
5	95	145	240
10	65	100	170
15	55	85	140
20	45	75	115
	Maximum permissible system flow value ØT		

Motor

Continuous duty, single phase, synchronous induction timing motor for 50/60 Hz single voltage 115 and 230V and dual voltage for 115/230V. Power consumption is 3 watts.

Wiring for Dual Voltage Motor:

- 115V: Connect blue and white, insulate red.
- 230V: Connect blue and red, insulate white.

Bijur reserves the right to change motor size, mounting dimensions and/or manufacturer.

Liquid level switch

Models of this lubricator equipped with liquid level switch are listed in the table on front side of this sheet. They are supplied so the switch will close an electrical circuit whenever the oil in the reservoir is **above** the minimum operating level. Thus, when connected to a light or other indicating device, the liquid level can be monitored.

Customers may reverse the operation when desired, by inverting the float. When the float is reversed, the switch will close an electrical circuit whenever the oil level is **below** the minimum operating level.

Note:

The low level switch is intended to be a reservoir low level indication device, and thus is not intended to be wired in series with the motor. Switch contact rating is 10 watts maximum. (Light or indicating device is not supplied by Bijur.)

When ordering, specify

Lubricator type and part number, such as:

Lubricator TM-1, C2731

For complete listing of available models, see table on front of sheet.