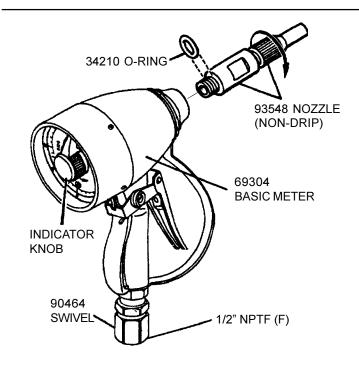
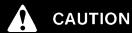


# MODEL 3867 PRESETABLE METERING CONTROL VALVE

Series "A"





Before meter can be placed in service "After Repair", meter must be tested and approved in accordance with U.S. Government's Weights and Measures Standards.

### **A** CAUTION

New metering systems must be purged prior to installation of metering control valve to free system of contaminates.

#### **OPERATION**

The Meter can handle petroleum products such as automatic transmission fluid, S.A.E. 5 to 50 Wt. motor oil, S.A.E. 80 to 240 wt. gear oil and antifreeze fluid (ethylene glycol).

The preset meter is set by turning the knob counterclockwise to the desired amount amount of material to be dispensed. The trigger is then depressed and locked in the "on" position. The pointer knob rotates clockwise towards zero where it strikes a pin in the meter face above the "0" zero, which releases the lock bar automatically stopping the flow.

The meter can be stopped prior to dispensing the preset amount by rotating the pointer manually clockwise until it strikes the pin above the "0" zero, or by pushing the pin counterclockwise by hand thus leaving the knob indicating the remaining amount to be dispensed.

#### Problems with Meter No material flow Leaking at Handle Trigger Assembly Check the "O"-Rings Check Pump on the Cam Check Air Supply Check flow rate & Meter Pressure Check for obstruction in Supply Hose Check Screens **Partial** Leaks after material flow shut-off Check Valve Seat Ass'y Check Screens in Handle for foreign particles obstructing seating of Valve Faulty Nozzle Material flowing -Oil leakage Odometer not registering and Meter indicator turning in Odometer Check Gland Packing Check for broken Odometer gears Material flowing Material flowing Odometer not registering Odometer registering and Metering Indicator and Meter Indicator not turning not turning Check Piston & Chamber Check Set Screw on for foreign particles Indicator Check Reset Knob is Check Stem on Upper tight on shaft of Driver Gear to insure not Driver Pawl Gear loose from Gear Body Pre-Set Only No auto shut-off Check Lock Pawl not bent and by-passing indicator Check Reset Knob Tube assembled properly on Drive Pawl Gear

#### SPECIFICATIONS:

Dial Capacity 1 to 60 Quarts Totalizer Gallons

Flow Max. 4 Gallons per min. (15 liters per min.)
Flow Min. 0.4 Gallons per min. (1.5 Liters per min.)

Operating Pressure Max. 1000 PSI (70 Bar)
Operating Temp. Max. 110°F (45° C)
Accuracy +/- 0.65%
Weight 3.3 Lbs. (1.5 Kg.)

Meter Inlet & Outlet Thds. 1/2 NPTF

Americas: One Lincoln Way St. Louis, MO 63120-1578 USA Phone +1.314.679.4200

Fax +1.800.424.5359

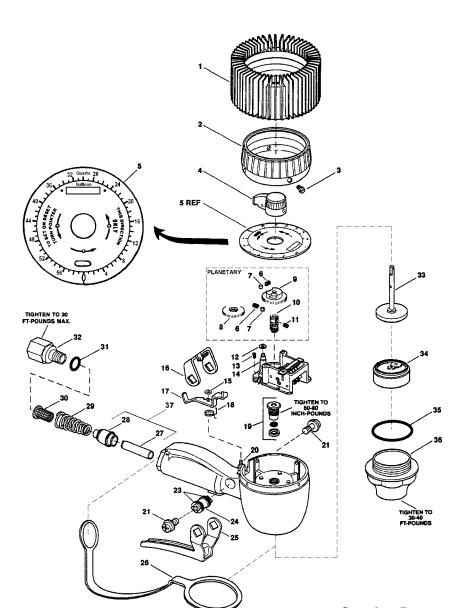
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## CAUTION

If meter is mishandled, the lock bar (Item 16) can become bent and screw may fail to contact Lock Pawl (Item 17). If this happens the meter will not shut off at preset amount. Frequent inspection is recommended.

**Service Parts** 

Item	Part No.	Qty.	Description	Item	Part No.	Qty.	Description
1	242911	1	*Shroud Protector	20	236400	1	Pin Lock Pawl
2	68410-12	1	Shroud	21	68410-2	2	Screw
3	66871 -5	4	Shroud screw	22			
4	242913	1	Knob assembly	23	68410-4	2	Quad Ring
5	69303	1	Dial Assembly	24	69304-2	1	Cam
6	66871-3	2	Clutch Spring	25	69304-4	1	Trigger Assembly
7	66871-4	2	Clutch Roller	26	69304-24	1	Hand Guard
8	69304-9	1	Compound Gear Assembly	27		1	** Valve Sleeve Assembly
9	69304-10	1	Preset Knob Drive Cam	28		1	**Valve Seat Assembly
10	66871157	1	Worm Assembly	29	69304-3	1	Spring
11	50541	1	Set Screw	30	68410-27	1	Screen
12	69304-23	1	Washer	31	243176	1	O-Ring
13	70457-7	4	Screw	32	243175	1	Adapter
14	68602-8	1	Register Assembly	33	66871111	1	Upper Driving Pawl Gear Assembly
15	69304-14	1	E-Ring	34	68410-15	1	Chamber and Piston Assembly
16	69304-5	1	Lockbar	35	66871-12	1	O-Ring
17	69304-13	1	Lock Pawl	36	68410-14	1	Сар
18	69304-12	1	Lock Pawl Spring	37	271700	1	Valve Assembly
19	237388	1	Packing Kit				

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<sup>\*</sup> May be purchased separately\*\* See valve assembly item 37