

MODEL 877 METERING CONTROL VALVE

Problems

with Meter

No material flow

Check Pump

Check Air Supply

Check for obstruction

in Supply Hose

Check Screens

Partial

material flow

Check Screens

Material flowing -Odometer not registering

and Meter indicator turning

Check for broken Odometer gears

Material flowing

Odometer not registering

and Metering Indicator not turning

Check Piston & Chamber

for foreign particles

Check Reset Knob is

tight on shaft of

Driver Pawl Gear

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

Series "A"

Leaking at Handle Trigger Assembly

Check the "O"-Rings

on the Cam

Check flow rate &

Meter Pressure

Leaks after

shut-off

Check Valve Seat Ass's in Handle for foreign particles obstructing

seating of Valve

Faulty Nozzle

Oil leakage in Odometer

Check Gland Packing

Material flowing

Odometer registering and Meter Indicator

not turning

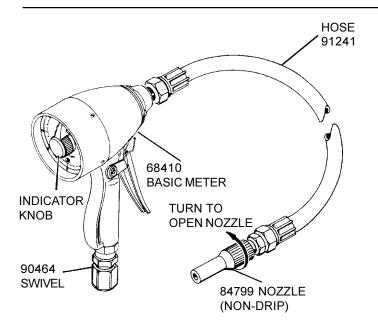
Check Set Screw on

Check Stem on Upper

Driver Gear to insure not

loose from Gear Body

Indicator





CAUTION

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.

CAUTION

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

OPERATION

Americas:

One Lincoln Way St. Louis, MO 63120-1578

USA

Phone +1.314.679.4200

Fax +1.800.424.5359

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

The meter can be locked in the on position by engaging the trigger lock, to release the lock the trigger must be depressed thus releasing the lock. Before each use reset the meter by rotating the indicator knob counterclockwise to zero.

Europe/Africa: D-69183 Walldorf Germany Phone +49.6227.33.0

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SPECIFICATIONS:

Dial Capacity 32 Ounces - 16 Quarts

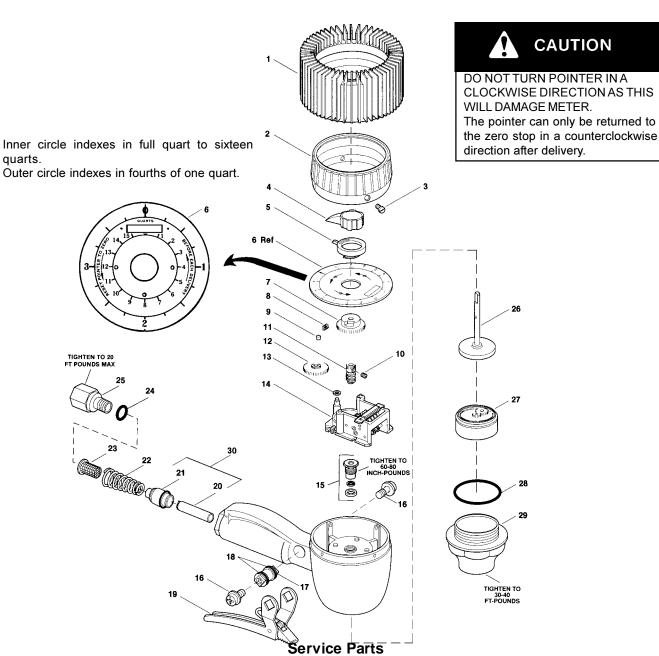
Totalizer Quarts

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

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ITEM	DESCRITION	Part No.	ITEM	DESCRITION	Part No.
1	*Shroud Protector	242911	16	Screw	68410-2 (2)
2	Shroud	68410-12	17	Cam	68410-5
3	Shroud screw	66871 -5 (4)	18	0-ring	68410-4 (2)
4	Knob assembly	242912	19	Valve trigger assembly	68410-1
5	Inner circle pointer	66871-53	20	**Valve sleeve assembly	
6	Dial assembly	68410-26	21	**Valve seat assembly	
7	Inner circle pointer cam	66871-50	22	Spring	69304-3
8	Clutch spring	66871-3	23	Screen	68410-27
9	Clutch roller	66871-4	24	0-ring	243176
10	Set screw	50541	25	Adapter	243175
11	Upper driving pawl worm gear	66871 -54	26	Upper driving pawl gear assembly	66871111
12	Inner circle pointer gear	66871-17	27	Chamber & piston assembly	68410-15
13	Spacer	69304-23	28	Housing cap gasket	66871-12
14	Register assembly	69795-3	29	Housing cap	68410-14
15	Packing kit	237388	30	Valve Assembly (Buna-N)	271699

Quantity

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^{*} May be purchased separately

^{**} See valve assembly item 30