

MODEL 877 METERING CONTROL VALVE

Problems

with Meter

No material flow

Check Pump

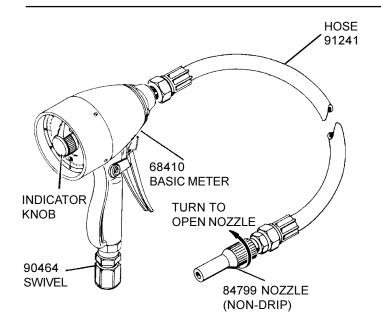
Check Air Supply

Series "A"

Leaking at Handle Trigger Assembly

Check the "O"-Rings

on the Cam





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 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.

Check flow rate & Meter Pressure Check for obstruction in Supply Hose Check Screens Partial Leaks after material flow shut-off Check Screens Check Valve Seat Ass's in Handle for foreign particles obstructing seating of Valve Faulty Nozzle Material flowing -Odometer not registering Oil leakage in Odometer and Meter indicator turning 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

SPECIFICATIONS:

Dial Capacity 32 Ounces - 16 Quarts

Check Reset Knob Tube assembled properly on Drive Pawl Gear

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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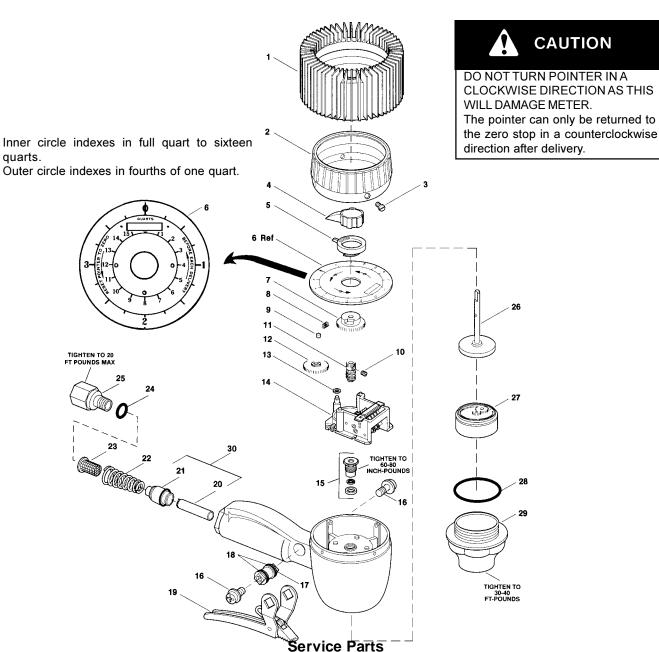
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February 2002 Form 403183 Section - F22 Page - 6A



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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	66871-111	(
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)	271700	(

Quantity

© Indicates change

Page Number - 2 Form 403183

^{*} May be purchased separately

^{**} See valve assembly item 30