

DESCRIPTION

This system is designed to keep oil reservoir of Centro-Matic Ram Pumps indicated, automatically filled from a large, central supply source. Oil is pumped from a 120 lb. or 55 gal. drum to each reservoir. A 3:1 ratio pump should be used to pump oil from the drums. The system is controlled by a Model 83372 Regulator which should be adjusted for 10 psig outlet pressure. One regulator can accommodate as many as eight Ram Pump reservoirs. One pump can supply several Regulators, depending on the cycle frequency of the Ram Pumps involved. Each regulator must have a vent(relief)line back into the drum.

The Automatic Filling System requires that the reservoirs of the Ram Pumps be gasketed so that they will not leak when pressurized. The two kits, No. 83368 and No. 83637 are for this purpose. No. 83368 is for converting the 82885 Ram Pump and No. 83637 is for converting the 82570, 82571 and/or 82573 Ram Pumps. The sealed reservoir can hold 20 psig of oil pressure but it is recommended that the pressure be held to a maximum of 10 psig with perhaps as little as 5 psig at the reservoir inlet.

OPERATION

Each time the Ram Pumps cycle, some oil is pumped from their reservoirs. This is immediately replaced by the Central Supply Pump. Any excess oil arising from line expansion and contraction due to temperature changes will be vented (relieved) through the 83372 Regulator back into the oil drum.

SPECIFICATIONS:

- Fill pump lubricant outlet pressure, 125 psig maximum.
- Fill pump ratio, 3:1 maximum.
- Ram pump reservoir pressure, 5 psig.
- Maximum number of Ram Pumps system will accommodate is eight (8) to a regulator.
- Header line dimensions: 5/8" O.D. x .083" wall seamless steel tubing, maximum length is 100 ft.
- 3/8" O.D. x .028" wall seamless steel tubing, maximum length is 55 ft.



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KIT NO. 83637

FOR PRESSURIZING OIL RESERVOIRS OF RAM PUMP MODELS 82570, 82571 AND 82573

INSTALLATION

Remove the following parts from the pump which is to be pressurized:

51084 Nut, 92180 Reservoir Cap Assembly, 69128 strainer and 68797 Plug Button.

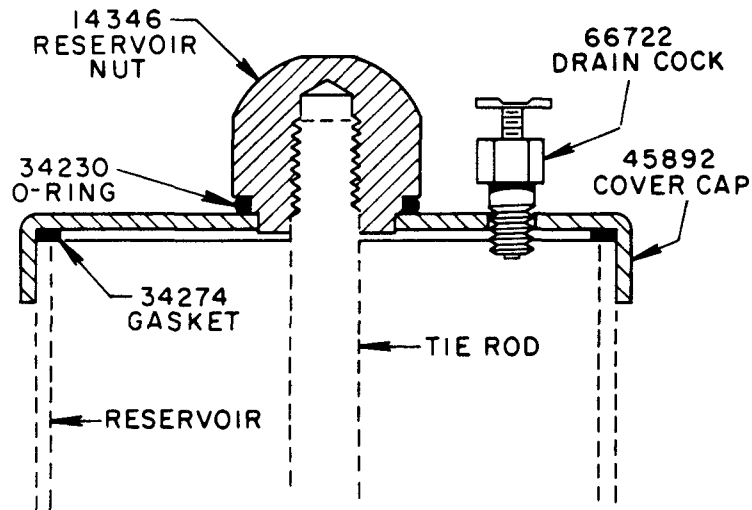
Replace with parts in 83637 Kit as illustrated at right.

Note. For parts drawings of pumps, refer to the following Service Manual Sheets:

82570 Pump - Section C8, Page 43 series

82571 Pump - Section C8, Page 46 series

82573 Pump - Section C8, Page 47 series



KIT NO. 83368

FOR PRESSURIZING OIL RESERVOIR OF RAM PUMP MODEL 82885

INSTALLATION

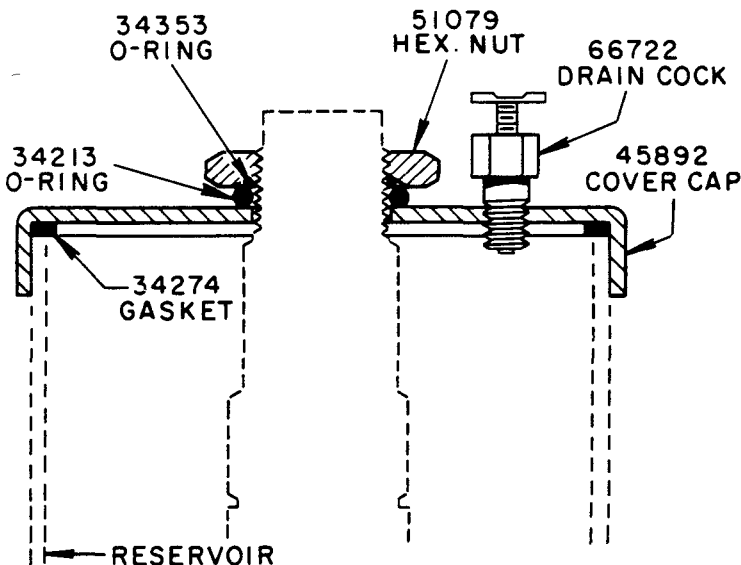
Remove the following parts from Model 82885 pump:

51083 Nut, 92180 Reservoir Cap Assembly, 69128 Strainer and 68797 Plug Button.

Replace with parts in 83368 Kit as illustrated.

Note: For parts drawings of pump refer to the following Service Manual Sheet.

82885 Pump - Section C8, Page 64 series



83372 FLUID REGULATOR (Relieving Type)

