

July 2002
Rev. Sept. 2006

**Suggested Preventative Maintenance
& Cleaning Instructions
Malabar Fluid Dispensers**

Ref:

- 1 Quart OC Guns, Series 150, 160 & 170
- 2 Gallon Dispensers, Series 250, 260, 270, 275, 280
- 5 Gallon Dispensers, Series 350, 360, 365, 370, 380
- 15 Gallon Dispensers, Series 440, 450, 460, 470

1. Preventative Maintenance

General:

Frequency of Preventative Maintenance (PM) depends on environmental and operating conditions. A PM should be completed every 3-4 months or sooner if the dispenser is subjected to extensive use (several times a day) and/or extreme environmental or operating conditions (blowing dust, sand, rain and or very humid conditions).

1. Dispenser Filter: Filter element changes should be made every 3-4 months or sooner if more than normal resistance is felt on the pumping stroke at low pressure.
2. Pump Assembly: Pump should be checked at every use for proper operation and for any external fluid leakage around the pump shaft seal. Installation of a pump repair parts kit is recommended for corrective action.
3. Dispenser wheels, 5 & 15 Gallon sizes only: Wheels, axle and axle nut should be inspected every 3-4 months. Check dispenser wheels for proper operation and replace if required. Generally, wheels should not require replacement unless unit is damaged.
4. Tank and handle assembly (handle on 5 & 15 gallon sizes only): The tank and handle should be inspected every 3-4 months. Check the tank for cracks or any evidence of external leakage and replace if required. Replacement is not required unless unit is damaged. The Interior of the tank should be examined once a year. If sediment or residue is noticed, refer to cleaning instructions.
5. Dispenser Hose and End Fitting/Coupling: Hose and end fitting should be inspected at every use. Check the hose for damage or any evidence of external leakage and replace if required. Replacement is not required unless the hose or end fitting is damaged.

2. Cleaning Instructions

15 Gallon Dispensers, Series 440, 450, 460, 470:

1. Do not remove old filter element from unit.
2. Remove top cover plate with pump assembly.

3. Drain all existing fluid from tank.
4. Flush and clean tank with Stoddard solvent, MIL-PRF-680, or equivalent.
5. Partially fill tank with approx. 2 gallons of clean solvent. Reassemble hand pump in tank and pump solvent through pump, hose and coupling assembly to clean system thoroughly. Drain tank of any remaining solvent and remove any residual solvent with clean compressed air.
6. Install new filter element. Note: Ensure that the correct element is selected. (Skydrol and WaterStop systems require different elements. Check owners manual for proper part number.)
7. Partially fill tank with approx. 2 gallons of new fluid in accordance with fluid placard and operate pump until supply of fluid is exhausted and dispose of pumped out fluid.
8. Fill tank with new fluid.

5 Gallon Dispensers, Series 350, 360, 365, 370, 380:

1. Remove complete pump assembly and hose assembly, then follow steps 1 through 8 for the above 15 gallon dispensers.

2 Gallon Dispensers, Series 250, 260, 270, 275, 280:

1. Use the same procedure as indicated above for the 5 gallon dispensers, except 1 gallon of solvent or fluid should be sufficient for partially filling the tank.

1 Quart O-C Gun Dispensers, Series 150, 160 & 170:

1. Remove old filter element from case and discard.
2. Drain all existing fluid from a used 1 quart can.
3. Flush and clean can with Stoddard solvent, or equivalent.
4. Partially fill can with clean solvent. Install can with solvent into dispenser and pump solvent through pump, hose and coupling assembly to clean system thoroughly. Discard can with any remaining solvent and remove any residual solvent on dispenser with clean compressed air.
5. Install new filter element. (Skydrol units require different elements. Check owners manual for proper part number.)
6. With a clean can of oil, in accordance with fluid placard, operate pump until supply of fluid is exhausted and dispose of pumped out fluid.
7. Store unit with empty fluid can or suitable protective container.