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## **TECHNICAL BULLETIN 244**

### **Conversion to a Mi-Glow® Water Bath From An Oil Bath System**

#### **Cleaning Instructions Prior To Initial Charge**

In the process of changing over equipment from an oil system to a water system, it is important that the tank, hoses and pump be thoroughly cleaned. This will permit optimal operating conditions for the water based Mi-Glow® products. The presence of an oil film in the water bath can cause dulling of the indications as well as interference with the proper functioning of the wetting agents. It is therefore essential that the system be as clean as possible.

The following procedure is recommended for cleaning out the tank prior to recharging.

1. Drain the tank system completely.
2. Fill the tank up with water to the normal operating level. Add 1 gallon of Cleaner 500 per 25 gallons of water. Turn on the recirculating pump and any other agitation which is present. Run the solution through the discharge hoses. Scrubbing of certain areas may be required. The length of time for this operation will depend upon individual situations but 15 minutes is generally sufficient.
3. Drain the system.
4. Repeat Step 2. This will remove foreign material left in the system.
5. Drain the system again.
6. Rinse the tank with clear water by repeating the operation described in Step 2 but eliminate the addition of the Cleaner 500. **NOTE:** If any oil is still present in the system, it will float on the water surface. This indicates a need to repeat the clean-out procedure before proceeding to the next step.
7. Drain the system.
8. Repeat the clear water rinse.
9. Drain the system.
10. Fill the tank with water and charge the system.

**IMPORTANT!** The cleaning process above should be effective for removing gross contaminants and most residual foreign materials in the system. The water-bath chemistry in Circle Systems' products continues to remove remaining residual materials as it is used. It is typical that the first bath of Circle Systems' products will show the effects of contamination (including excessive foaming, reduced brightness, and/or sensitivity of particle indications). The second and succeeding baths should not show these signs unless the bath is subject to continued contamination.

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