

## Operator's Instructions 12 Volt Pump with Bypass System

**Read the pump manufacturer's owners manual prior to using your PBM Sprayer.**

Check the filter prior to loading chemical and/or beginning a spray session. If the filter becomes clogged when the tank is loaded, close the valve between the tank outlet and the filter. This will reduce the amount of chemical loss and spillage. Remove the bottom of the filter housing by turning counterclockwise. Rinse the filter element until clean and reassemble the filter. *The pump will not operate properly if the filter bowl is loose or the o-ring is missing or damaged.* **Always use protective clothing and refer to the chemical manufacturer's recommendations when handling chemicals.**

**Important Note:** When setting up your sprayer always test with clean water only.

### **Starting up your sprayer**

A fully charged 12 Volt source will be needed to operate the pump to it's full potential. If an auxiliary battery is to be used we have had the best results using Deep Cycle type batteries. Refer to the pump manufacturer's owners manual for wiring instructions. Before you energize the pump make sure that any valves for booms, handguns or other accessories are in the closed positions. Once the 12 volt connections are installed to the 12 volt source turn the switch to the on position. To adjust the pressure turn the "T" handle on the brass pressure relief valve clockwise to increase pressure and counterclockwise to reduce the pressure.

*A general rule of thumb is to set the pressure at the gauge between 5 and 10 PSI higher than your target PSI. For best results check the pressure at the nozzle. Your local dealer or the PBM sales staff can help you put a testing device together.*