

HS LF-4 ADJUST MPC-3000 SALINITY CONTROL

If the unit is not new remove and clean the probe before calibration. You will need a handheld salinity tester and a calibration solution of known salinity to calibrate the control.

If using a handheld tester run the unit making water until the product salinity has stabilized (ten minutes or more), then determine the product salinity. You can get a product water sample for testing by loosening the product water hose fitting at the membrane housing end cap or at the diversion valve. Compare the handheld reading with the reading on the display. If your display shows the salinity as a bar graph, each square equals 100 parts per million. Adjust the MPC3000 until the display agrees with the handheld as described below.

If your display has a bar graph and you would prefer to display the salinity as a number, contact your dealer or the factory for instructions on changing the display.

Inside the main white box with all the wires going to it is the main Printed Circuit Board (Part No. EL-MPC-PCB). The salinity adjusting screw is mounted on this board. Remove the lid of the box and inspect the circuit board. Looking at the PCB with the large "Batt+" and "Batt-" terminals at the right, you will see a single phone jack at the upper left corner. This is the salinity probe cable. About 1 inch (2cm) from the salinity jack is a very small rectangular trim pot with a bronze slotted screw. This is the salinity calibration pot. See the manual for a photo of the calibration pot. You may have to push some of the electrical cables aside to see it. Turn the pot with a jeweler's screwdriver until the display matches the salinity of the water as read with the handheld tester.

If the unit is rejecting but the product water tastes ok, and no meter or solution is available, the system can be made to accept the water by adjusting the pot until the display reading is below the reject set point. The reject set point was 500 ppm on early units and 750ppm on newer units. There is a short delay between the time the red light goes out and the green light comes on.

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