

HS-3 ADJUST NON-MPC SALINITY CONTROL

If the controls are rejecting product water that you feel should be accepted, or accepting water which should be rejected, they may need to be recalibrated. Before adjusting the system, check the product salinity with a calibrated handheld salinity indicator if possible. If not, taste the product water to make sure no salt flavor can be detected.

If the control has the Hanna digital control on the lid of the box, calibrate the probe as follows: With the system operating and the product salinity stable (after at least ten minutes running), test the product with the hand held meter. Make sure the salinity control meter is in the measurement mode (“MEAS” led light on). Using a jeweler’s screwdriver, adjust the “CAL” screw until the display reads the same as the hand held meter. Press the “SET” key. Turn the “SET” screw until the display shows the desired salinity above which the product water will be diverted overboard. If no handheld is available, run the watermaker. When the salinity reading stabilizes, adjust the set point to approximately 100 ppm above the salinity reading.

If the control does not have the Hanna digital readout, then the control is mounted to the inside of the lid of the box. Remove the lid. On the control is a ¼” trim pot. If you have no handheld meter, run the watermaker for ten minutes or more. Then turn the pot until the control sends water to the tank and then go a little more. If a handheld is available remove the salinity probe and with the hand held meter make a sample of water using table salt at about 700 ppm. Put the salinity probe into the water sample. Turn the trim pot so that the red “reject” light is on. Then slowly turn the pot until the green “good” light just comes on. This will set the control to divert at that level. We normally set the controls to divert at 750 ppm.

To improve probe performance and prolong its life, we recommend gently cleaning the probe with a scotch brite pad or stiff brush. The probe may need to be recalibrated after cleaning.

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