

# RO Maintenance and Log



**AIR & WATER QUALITY INC.**

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If your system has pre-treatment equipment like a softener, filtration and or solution feed, you must be sure to keep it maintained to prevent premature failure of the membrane. This maintenance includes setting clocks, checking salt levels, and checking solution levels.

Make sure the RO is running before taking pressure or flow readings. Some systems have a test switch that can be used to start the system to take these readings. If your system doesn't have this type of switch, you will need to run water until the unit comes on.

Make sure to check salt and other chemicals on a regular basis. We recommend you take the following measurements once a week if you have pretreatment and at least once a month if you don't.

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Check Date \_\_\_/\_\_\_/\_\_\_                      \_\_\_\_\_ Initials

- Outlet Filter Pressure<sup>1</sup> \_\_\_\_\_ PSI
- Pump Discharge Pressure<sup>2</sup> \_\_\_\_\_ PSI
- Concentrate Pressure \_\_\_\_\_ PSI    \_\_\_\_\_ PSI<sup>3</sup>
- Permeate Flow \_\_\_\_\_
- Concentrate Flow \_\_\_\_\_
- TDS<sup>4</sup> \_\_\_\_\_ Raw \_\_\_\_\_ Treated

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Check Date \_\_\_/\_\_\_/\_\_\_                      \_\_\_\_\_ Initials

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- Pump Discharge Pressure \_\_\_\_\_ PSI
- Concentrate Pressure \_\_\_\_\_ PSI    \_\_\_\_\_ PSI
- Permeate Flow \_\_\_\_\_
- Concentrate Flow \_\_\_\_\_
- TDS \_\_\_\_\_ Raw \_\_\_\_\_ Treated

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<sup>1</sup> Some systems have this labeled as "Feed Pressure". This is the pressure to the RO pump from the prefilter

<sup>2</sup> Some systems have this labeled as "Pump Pressure". This is the pressure of the water from the RO pump that feeds the membranes.

<sup>3</sup> On seawater systems there may be two gauges for this. Please record each value if there are two concentrate pressure gauges.

<sup>4</sup> If your unit has a meter on the control box, this will provide you with the treated value. If you have a hand held TDS meter record both values. If you don't have a hand held TDS meter, you are encouraged to send a sample to us every 6 months to allow us to check this for you. This is a no charge service we provide.