

TDS METER USAGE FOR MAR COR® RO UNITS

This Tech Note provides guidance on the use and frequency of a hand-held Total Dissolved Solids (TDS) metering device when operating a portable or stationary (i.e., central) Reverse Osmosis (RO) machine in a hemodialysis water setting.

GUIDANCE

It is not required to use a hand-held TDS meter to qualify and/or check TDS (i.e., conductivity) values for feed water and/or product water on a routine (i.e., daily) basis. Mar Cor RO machines are equipped with probes and/or sensors that monitor, capture, and display these readings on the device.

The use of a hand-held TDS metering device is recommended and helpful when troubleshooting an RO machine or water treatment system. This can assist in determining root cause issues or identifying a potential problem more effectively so it can be understood and corrected in a timely manner.

Use a TDS meter when:

- Problems are suspected.
- Issues arise with the RO machine.
- Subsequent changes have occurred with the incoming feed water.
- When the Operation Manual mentions specific periodic (i.e., quarterly) confirmation.

The Operator and/or Operation Manual may instruct the use of a hand-held TDS meter at verification intervals (i.e., quarterly, yearly, etc.) or mention specific instances to monitor the RO machine's TDS readings. These instances may include, but are not limited to the following:

- Feed water quality changes.
- Pretreatment changes or operation disruption.
- RO performance changes.
- Cleaning and disinfecting practices.
- Specific membrane performance.
- Water testing results.
- When any type of machine TDS retesting is recommended or required.

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