



Maintenance Check or Operation	Description
Visual Inspection	Visual inspection, check all tubing, gaskets, fittings and solenoids for leaks and wear. Clean all external surfaces.
1-micron filters	Change filters at predetermined time frame or when pressure drop is greater than 8-10 psi.
Control Panel	Isolate panel, visually check for overheating, check tightness of all terminals and clean panel interior.
High Pressure Pump	Check for vibration, overheating in the bearing frame, mechanical seal seal leaks. Check oil levels where applicable.
H.P. Pump Motor	Visually check motor for vibration and temperature. Grease Bearings.
Conductivity Sensor	Remove, clean and perform calibration usign standard solution.
ORP Sensor	Remove and clean ORP probe
pH Sensor	Remove and clean pH probe. Calibrate in solution standards. Replacement may be required as often as every 6 months.
Flow Sensors	Verify slow sensor settings.
Pressure Transmitter	Verify pressure transmitters against local gauges.
Pressure Gauge	Visually check all pressure gauges for leaks and accuracy.
Pressure Switch	Verify operation- alarm at set-point
Temperature Transmitter	Verify temperature transmitters
Membrane Change	Change membranes. Sanitize machine interior and all permeate headers.
Valves	Check all valves for leaks and wear. Be aware of valve ages- valve maintenance program may be required.
Detergent Clean-in-Place	Detergent Clean with low and high pH cleaner. (Memebrane type must be determined before conducting cleaning.)
Silt Density Index	Conduct Silt Density Index at RO Inlet
Tri-Clamps	Check for leaks at tri-clamp fittings- tighten or re-sent where necessary.

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