

PREVENTIVE MAINTENANCE CHECKLIST ANNUAL/4000 HOUR

SERIAL NO. _____ DATE _____
 MACHINE I.D. NO. _____ MACHINE HOURS _____
 TECHNICIAN(S) _____ LABOR HOURS _____

See the Referenced Section of the 2008T Preventive Maintenance Procedures (part number 508033 Rev. L) for detailed instructions to perform the following:

Reference Section	Procedure	Value	Completed By:
3.1	Clean Filters and Replace O-Rings.....		_____
3.2	Replace Pre-UF Pump Filter.....		_____
3.3	Replace UF Pump Check Valves.....		_____
3.4	Rebuild UF, Concentrate (Acid) and Bicarbonate Pumps..... (every 8000 hours if BlueStar Premium)		_____
3.5	Check Ground Heater Element (N/A for BlueStar Premium).....		_____
3.6	Check High Voltage AC Connections.....(<0.2 ohms)	_____	_____
3.7	Replace Deaeration Motor Brushes.....(every 8000 hours)		_____
3.8	Check Inlet Water Pressure Regulator.....(Range: 18 to 20psi)	_____	_____
3.9	Conduct Online Clearance Test.....(If Applicable)		_____
3.10	Check Deaeration Pressure.....(Range: See Table 2 on page 26)	_____	_____
	Check Loading Pressure.....(Range: 18 to 20psi / with DIASAFE® Plus filter 23 to 25psi)	_____	_____
3.11	Check Flow Relief Pressure.....(Range: 29 to 30psi / with DIASAFE® Plus filter 35 to 36psi)	_____	_____
3.12	Test Concentrate (Acid) and Bicarbonate Pumps (N/A unless the pumps were rebuilt).....		_____
3.13	Calibrate UF Pump.....(Range: 24 ± 0.1cc at 24 UF Pump strokes)	_____	_____
3.14	Check Conductivity Calibration.....(Range: Δ ± 0.1mS/cm)	Machine Display _____ External Meter _____	_____
3.15	Check Temperature Calibration.....(Range: 37 ± 0.3°C) (Range: 39 ± 0.3°C)	_____	_____
3.16	Check Volt Hi Lo Detect (N/A for BlueStar Premium).....(Range: 4.8 to 5.2 ± 0.2V)	_____	_____
3.17	Check Blood Leak Calibration (N/A for BlueStar Premium).....(Range 4.5 to 5.2V)	_____	_____
	Check Dimness Calibration (N/A for BlueStar Premium).....(Range 4.0 to 6.0V)	_____	_____
3.18	Check Arterial, Venous and TMP Calibration (N/A for BlueStar Premium).....		_____
3.19	Check Dialysate Flow (N/A for BlueStar Premium).....(Range @ 500ml/min: 485 to 515ml)	_____	_____
3.20	Check Heparin Pump (N/A for BlueStar Premium).....(If Applicable)		_____
3.21	Check Blood Pump.....		_____
3.22	Check and Calibrate Level Detector.....		_____
3.23	Check Alarm Operation and Pressure Holding Tests (N/A for BlueStar Premium).....		_____
3.24	Verify pH (N/A for BlueStar Premium).....(Range 6.9 to 7.6)	_____	_____
3.25	Rinse Check.....(Range: ≥ 310ml collected)	_____	_____
	Heat Disinfect Check.....(Range: 80 to 90°C)	_____	_____
3.26	Check Power Failure Alarm.....		_____
	Replace 9-Volt Battery.....		_____
3.27	Check Blood Pressure Module.....		_____
3.28	Inspect Dialysate Lines.....(every 8000 hours)		_____
3.29	Final Checks.....		_____