

# 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. S) for detailed instructions to perform the following:

\_\_\_\_ 1 Year (Without Extended Life Pumps) \_\_\_\_ 1 Year (With Extended Life Pumps) \_\_\_\_ 2 Years (With Extended Life Pumps)

Reference Section	Procedure	Value	Completed By:
3.1	Clean Filters and Replace O-Rings .....		_____
3.2	Replace bibag® Inlet Filter and Connector Door O-Rings ..... (If Applicable)		_____
3.3	Replace Pre-UF Pump Filter.....		_____
3.4	Replace UF Pump Check Valves .....		_____
3.5	Rebuild UF, Concentrate (Acid) and Bicarbonate Pumps ..... (every 2 years or after 8000 hours if equipped with extended life pump components. Refer to Sections 1.0, 4.1 & 4.2)		_____
3.6	Check Ground Heater Element (N/A for 2008T BlueStar™ Premium) .....		_____
3.7	Check High Voltage AC Connections ..... (<0.2 ohms)	_____	_____
3.8	Replace Deaeration Motor Brushes..... (every 8000 hours)		_____
3.9	Check Inlet Water Pressure Regulator ..... (Range: 18 to 20psi)	_____	_____
3.10	Calibrate bibag® Pressure Transducers..... (If Applicable)		_____
3.11	Conduct Online Clearance Test..... (If Applicable)		_____
3.12	Check Deaeration Pressure..... (Range: See Table 2 on page 28)	_____	_____
	Check Loading Pressure..... (Range: 18 to 20psi / with DIASAFE® Plus filter 23 to 25psi)	_____	_____
3.13	Check Flow Relief Pressure ..... (Range: 29 to 30psi / with DIASAFE® Plus filter 35 to 36psi)	_____	_____
3.14	Test Concentrate (Acid) and Bicarbonate Pumps (N/A unless the pumps were rebuilt) ....		_____
3.15	Calibrate UF Pump..... (Range: 0.90 to 1.10ml)	_____	_____
3.16	Check Conductivity Calibration..... (Range: $\Delta \pm 0.1\text{mS/cm}$ )	Machine Display	External Meter
	(Range: $\Delta \pm 0.2\text{mS/cm}$ )	TCD	External Meter
3.17	Check Temperature Calibration ..... (Range for 37°C: $\Delta \pm 0.3^\circ\text{C}$ )	Machine Display	External Meter
	(Range for 39°C: $\Delta \pm 0.3^\circ\text{C}$ )	Machine Display	External Meter
3.18	Check Volt Hi Lo Detect (N/A for 2008T BlueStar™ Premium) ..... (Range: 4.8 to 5.2 $\pm 0.2\text{V}$ )	_____	_____
3.19	Check Blood Leak Calibration (N/A for 2008T BlueStar™ Premium) ..... (Range 4.5 to 5.2V)	_____	_____
	Check Dimness Calibration (N/A for 2008T BlueStar™ Premium) ..... (Range 4.0 to 6.0V)	_____	_____
3.20	Check Arterial, Venous and TMP Calibration (N/A for 2008T BlueStar™ Premium) .....	_____	_____
3.21	Check Dialysate Flow (N/A for 2008T BlueStar™ Premium) ..... (Range @ 500ml/min: 485 to 515ml)	_____	_____
3.22	Check Heparin Pump (N/A for 2008T BlueStar™ Premium) ..... (If Applicable)	_____	_____
3.23	Check Blood Pump .....	_____	_____
3.24	Check and Calibrate Level Detector .....	_____	_____
3.25	Check Alarm Operation and Pressure Holding Tests (N/A for 2008T BlueStar™ Premium)	_____	_____
3.26	Verify pH (N/A for 2008T BlueStar™ Premium) ..... (Range: 6.9 to 7.6)	_____	_____
3.27	Rinse Check..... (Range: $\geq 310\text{ml}$ collected)	_____	_____
	Heat Disinfect Check ..... (Range: 80 to 90°C)	_____	_____
3.28	Check Power Failure Alarm .....	_____	_____
	Replace 9-Volt Battery .....	_____	_____
3.29	Check Blood Pressure Module.....	_____	_____
3.30	Inspect Dialysate Lines ..... (every 8000 hours)	_____	_____
3.31	Final Checks .....	_____	_____