



GAS ULTRA BOILER HEATING MAINTENANCE

1. Clean, adjust and check all safety & limit controls.
2. Test Water Chemistry
 - a. PH 7.0 to 8.5
 - b. Total hardness <7 grains
 - c. Chlorine <200 ppm
3. Clean base collector and condensate trap and fill with fresh water
4. Check flue and termination kit
5. Check system water pressure/system piping/expansion tank
6. Oil all motors and bearing assemblies
7. Remove heat exchanger cover plate and burner
8. Clean Cast Aluminum Heat Exchanger – pin side
9. Water spray the heat exchanger
10. Replace Ignition electrode
11. Replace Ignition & flame sensor gasket
12. Replace cover plate gasket and insulation
13. Replace Burner Gasket
14. Replace venture gasket
15. Check ignition wiring
16. Clean burners and controls
17. Check for gas leaks
18. Check flow control valves and bypass
19. Check air separators and automatic vents
20. Check gas pressure and adjust if necessary
21. Perform a complete combustion & CO test and record
22. Check and adjust heating controller / Indoor – Outdoor Reset Control
23. Check out complete boiler cycle