

## **Multi-Flue Water Heater Sample Specifications:**

### **General**

The water heater shall be a Bock model \_\_\_\_\_ with an input rate of \_\_\_\_\_ Btu/hr and a storage rated volume of \_\_\_\_\_ gallons. Recovery rate of the water heater shall be a minimum of \_\_\_\_\_ gallons per hour. The water heater shall be equipped with Turbo Flue finned heat exchanger and a wet leg combustion chamber for improved thermal efficiency. The water heater is designed to operate under natural draft. Insulation shall be 2 inches thick of \_\_\_\_\_ fiberglass or \_\_\_\_\_ foam (optional) and no flue damper shall be required. Tank construction shall be of heavy gage steel, have \_\_\_\_\_ hand holes and a combustion chamber access door. Tank operating pressure shall be 150 psi with a test pressure of 300 psi with \_\_\_\_\_ ASME HLW rating (optional). The tank shall be lined with C-glass containing high levels of cobalt and have \_\_\_\_\_ heavy duty anode rods for long life. Temperature control shall be accomplished by a dual bulb immersion type control to take the average tank temperature for optimum temperature control and shall have a maximum setting of 180°. The water heater shall also be supplied with a separate high limit control with a maximum setting of 200°.

### **Gas:**

The water heater shall be equipped with a high efficiency power gas burner configured to operate on \_\_\_\_\_ natural or \_\_\_\_\_ LP gas. Flame Safeguard primary controls, dual gas valves and automatic spark to pilot ignition system shall be standard equipment. The burner will also be equipped with an integral control panel fitted with operation monitoring lights and control switches. The burner shall be UL approved. A barometric damper shall be included with the water heater and burner.

### **Dual Fuel:**

The water heater shall be equipped with a high efficiency dual fuel burner allowing the heater to operate independently on fuel oil and \_\_\_\_\_ natural or \_\_\_\_\_ LP gas. Flame Safeguard primary controls, dual gas valves, integral two stage fuel unit (oil), automatic spark to pilot (gas) and direct spark (oil) ignition systems shall be standard equipment. The burner will also be equipped with an integral control panel fitted with operation monitoring lights and control switches. The burner shall be UL approved. A barometric damper shall be included with the water heater and burner.

### **Oil:**

The water heater shall be equipped with a high efficiency flame retention oil burner equipped with integral two stage fuel unit, oil valve, primary safety control and having pre-purge burner operation. The burner shall have a high speed motor (3450 rpm) and be capable of operating with low smoke readings (zero to a trace). The burner shall be UL approved.