

5. **LOW COST OPERATION:** The staggered tubing design provides a 10-pass self-baffled heating surface with uniform heat distribution to permit maximum heat transfer and long life service.
6. **SIMPLICITY:** The design of the boiler and control system is such that the boiler can be easily operated, maintained and repaired by regular personnel. Simplicity is a decided advantage as there are no complicated controls, blowers, or burner air adjustments on atmospheric gas fired boilers.
7. **EASILY CLEANED:** Both the upper and lower headers can be inspected internally by removing the end fittings. If necessary effective internal cleaning of Parker Hot Water Boilers can be done quickly, safely and inexpensively with chemicals.
8. **HEAVY FLEXIBLE TUBE CONSTRUCTION:** Parker tubes are 1-5/16" O.D. Grade SA-53 steel, heavy thickness .133" which is almost double standard gauge boiler tubing for the same diameter size. The bent tube design permits free expansion and contraction of each tube independently with changes in temperatures, eliminating strain on the metal, warping and leaking, typical of rigid straight tube design. This construction utilizes heavy material with flexibility to provide extreme safety and long life of tubes.
9. **ALL WELDED CONSTRUCTION:** Each tube is welded by the inert gas process with high tensile weld metal to assure full penetration and greater strength and safety.
10. **HEAVY INSULATED CABINET:** The cabinet consists of two thicknesses of heavy 16-gauge steel, well insulated with a minimum 1-1/2" thick high temperature thermal fiber insulation (3" thick on Thermal Fluid Heaters). This reduces radiation loss to a minimum and protects against fire hazards. Cabinets are finished with an attractive baked enamel, heat resistant finish for long life protection.
11. **FURNISHED ASSEMBLED:** All boilers are furnished assembled with electrical controls wired to the boiler control panel. Each boiler is hydrostatically tested in compliance with the A.S.M.E. Code. All boilers are factory fire tested before shipment to meet the highest standards in all phases of mechanical and operating efficiencies. Installation costs are held to a minimum since the boilers are so completely furnished.
12. **CONTROLS:** All Parker Hot Water Boilers are furnished with first line quality, automatic controls to assure safe and fully automatic operation. Each unit is standardly equipped with an enclosed boiler control panel, flame safeguard with manual reset, manual reset low water cutoff, operating temperature control, manual reset high limit control, dual fuel shutoff valves, and water safety relief valve. Gas fired models are furnished with a gas pressure regulator. Additional controls may be added as required by local codes or job specifications.