

LOW NO_x PREMIX INDUSTRIAL PACKAGED STEAM BOILER

Horizontal Drum Sectional Water Tube 30 to 50 HP Gas Fired

THE PARKER DESIGN

The Parker water tube design offers an extremely efficient, reliable steam boiler built for the long term and ease of maintenance. The Parker design offers many advantages. Compare ours to the competition.

ADVANTAGES

1. Safety

Our ASME tube bundle is extremely flexible and offers a long life with a 20 year warranty against thermal shock. No Parker Boiler has ever been known to experience an internal explosion.

2. Low NO_x

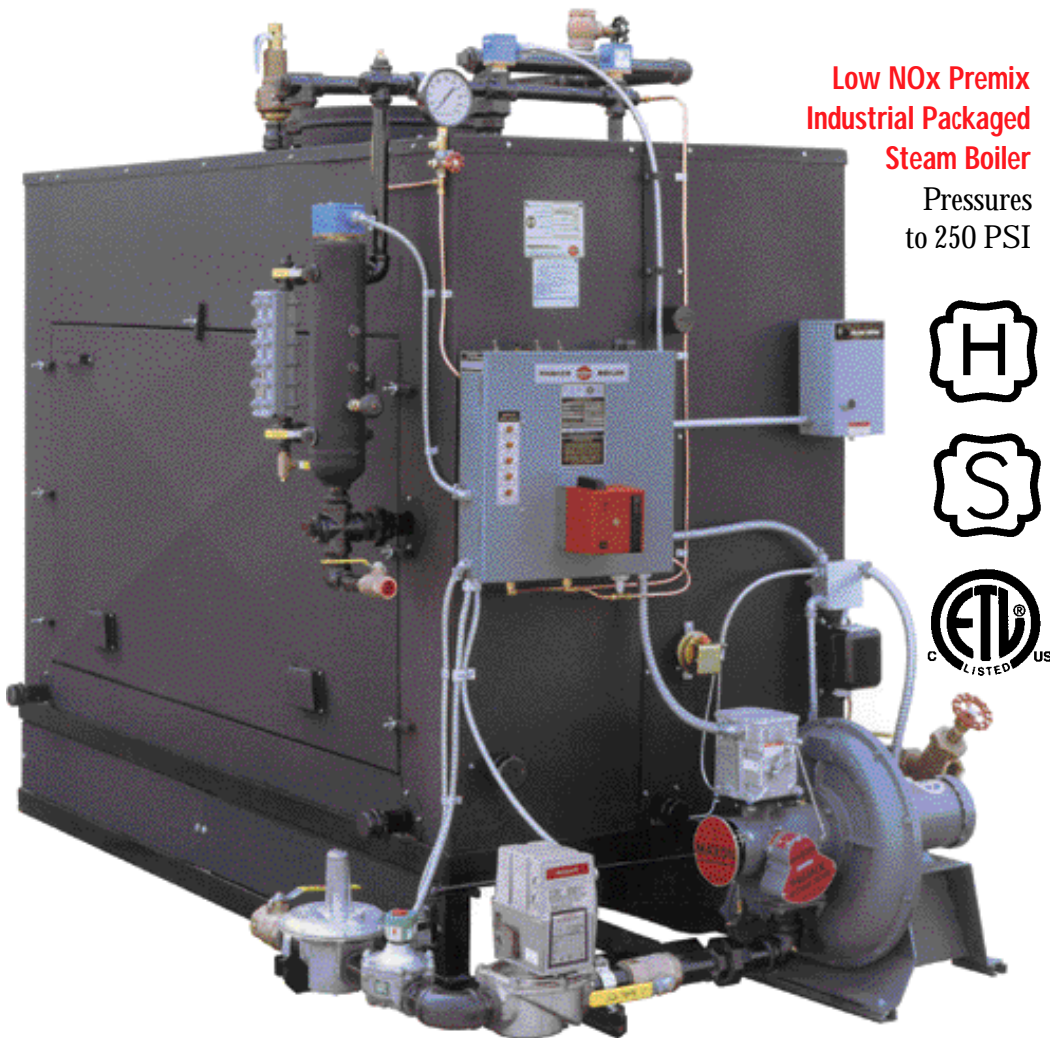
The burner system will meet current Best Available Control Technology Requirements.

3. Heavy Insulated Cabinet

The cabinet is durably constructed with two thicknesses of heavy steel, insulated on all sides with high temperature thermal fiber insulation to effectively reduce heat losses to a minimum.

4. Heavy Welded Flexible Bent Tube Construction

The Parker steel tube bundle is 1 5/16" OD (.133") thick. This thickness is almost double standard gauge boiler tubing for the same diameter. 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 designs. This construction utilizes heavy material with flexibility to provide extreme safety and long life. Each tube is double-welded to assure a rugged connection.



Low NO_x Premix
Industrial Packaged
Steam Boiler

Pressures
to 250 PSI



5. Codes

All Boilers are built in accordance with the ASME Power & Heating Boiler Codes, Sections I & IV. Boilers above 15 PSI are furnished with the "S" Stamp and Trim. Boilers for 15 PSI are normally furnished with the "H" Stamp and Trim. All Boilers are inspected and registered with the National Board of Boiler and Pressure Vessel Inspectors.

All individual gas and electrical controls are Certified or UL Listed.

All Low NO_x, outdoor, propane and natural gas fired models are ETL Listed as "Industrial and Commercial Gas Fired Packaged Boilers" and certified to UL795.

All units are provided with trim and controls to meet ASME CSD-1 standards for "Controls & Safety Devices for Automatically Fired Boilers". In addition, all units also meet the standards of the International Conference of Building Officials, the International Association of Mechanical & Plumbing Officials and the Uniform Mechanical Code.

7. Dry Steam

Our large horizontal steam drum provides ample steam release area to assure dry steam delivery. No steam separators are required.

8. Fast Heat-Up

Our boiler requires less than ten minutes to heat up to 100 PSI from a cold start which is a considerable time and fuel saver.

9. Low Maintenance, Simple Adjustment

The simplicity of the System with no FGR fan or valve simplifies tuning. Allen screws provide simple precise adjustments through a characterizable fuel valve. Filters are not normally required.

PARKER BOILER CO.

NEVER A COMPROMISE FOR QUALITY OR SAFETY

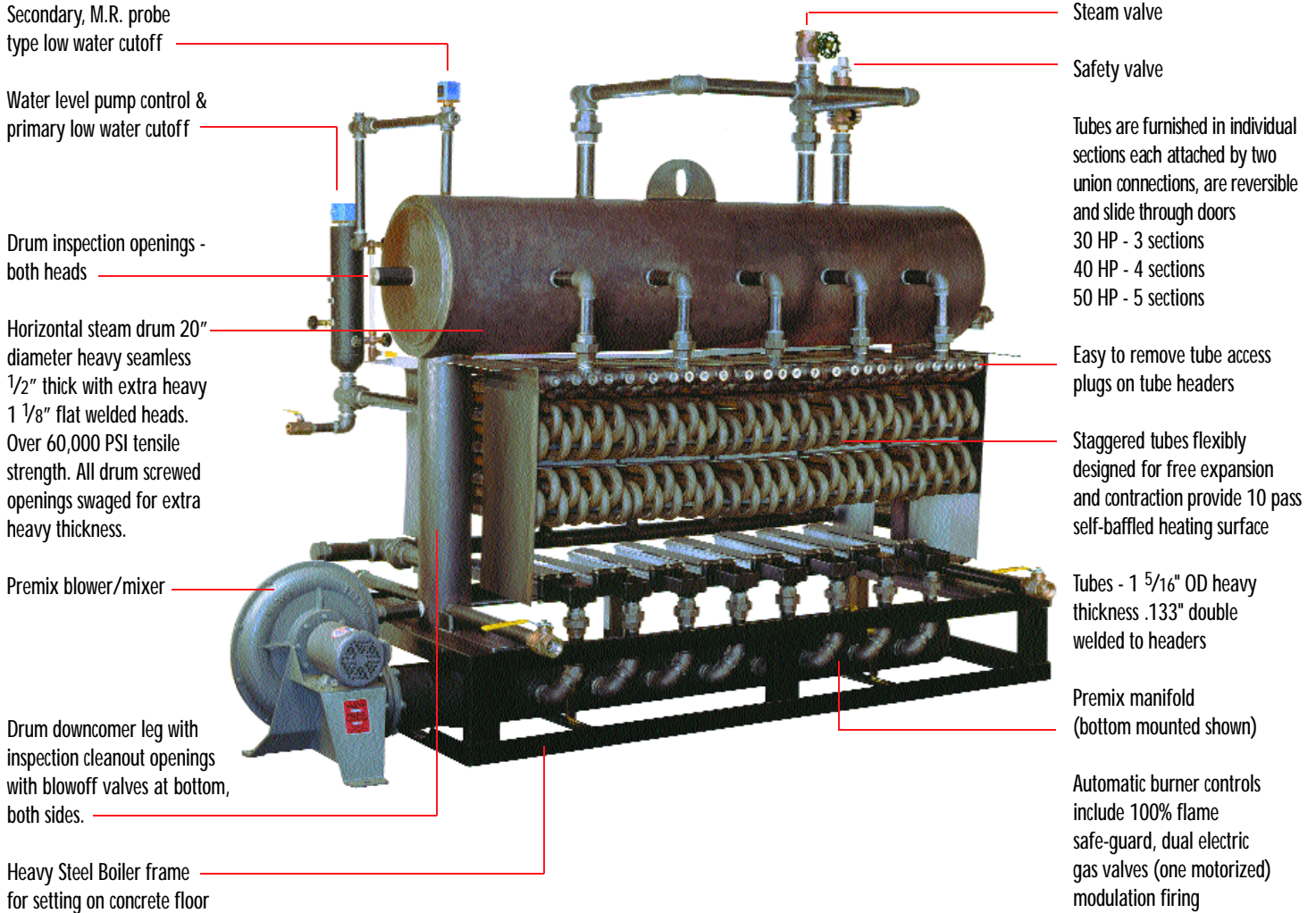
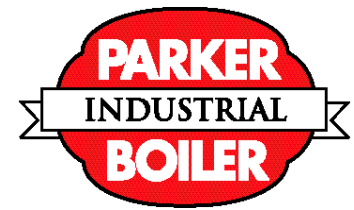
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A time proven product backed by one of the largest and most successful manufacturers of packaged steam boilers whose name is synonymous with quality and safety. Every boiler is thoroughly factory fire tested and is required to meet the highest standards in all phases of mechanical and operating efficiency before shipment.

ADVANTAGES

The Parker System consists of a burner bed of Heavy Duty Metal Fiber Burners (MFB). Through a gas/air premix manifold, the burners are linked to a fully modulating blower mixer which offers precise control of combustion through the full range of modulation.

10. Internal Accessibility – Inspection

Cabinet doors can easily be removed in a matter of minutes, making the internal boiler, drum, tubes, and burners readily accessible. Easy-to-remove

gasketed access plugs are provided at both ends of every tube. Boiler inspections can be accomplished quickly and at low costs.

11. Ease of Inspection and Repair

Any boiler may eventually require retubing depending on care and operating conditions. Retubing does not require special tools, skills or welding as is necessary on most boilers. Tubes are reversible and replaceable through the cabinet door. Only 28" required for tube pull on one side of the boiler.

12. Even Heat Distribution

Unlike Conventional Power Burner Technology, the burner bed provides a uniform heat distribution on all boiler tubes for improved heat transfer and boiler efficiency. Uniform heat over the entire heating surface at high, low and modulating firing rates provides longer tube life by eliminating concentrated firing on limited tube surface.

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