

# PARKER

## INDUSTRIAL PACKAGED STEAM BOILER

### U DRUM SECTIONAL WATER TUBE

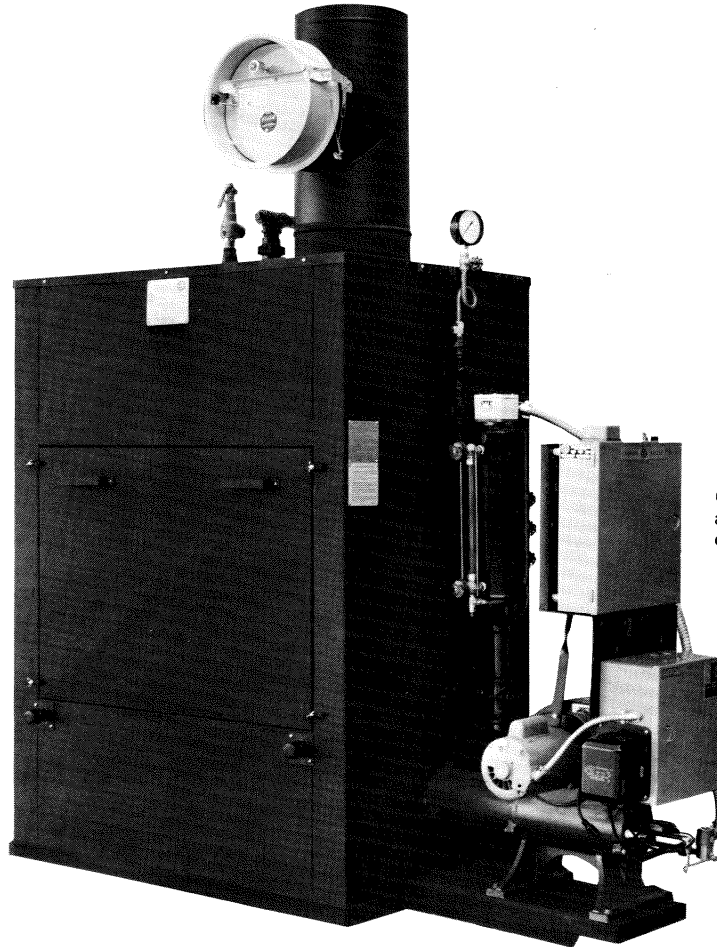
9.5 to 22 H.P. Power Burner Gas, Light Oil or Combination Fired

PARKER

*Industrial*

BOILER

Never before has industry been offered a steam boiler combining so many superior structural and operational features as available only in the PARKER EXCLUSIVE WATER TUBE DESIGN. CHECK AND COMPARE - you will find no other boiler offers a near equal to all of the advantages for SAFE, RELIABLE, LONG LIFE SERVICE AND LOW OPERATING-MAINTENANCE COST.



Combination gas/oil fired boilers are furnished with gas line and controls, not shown.

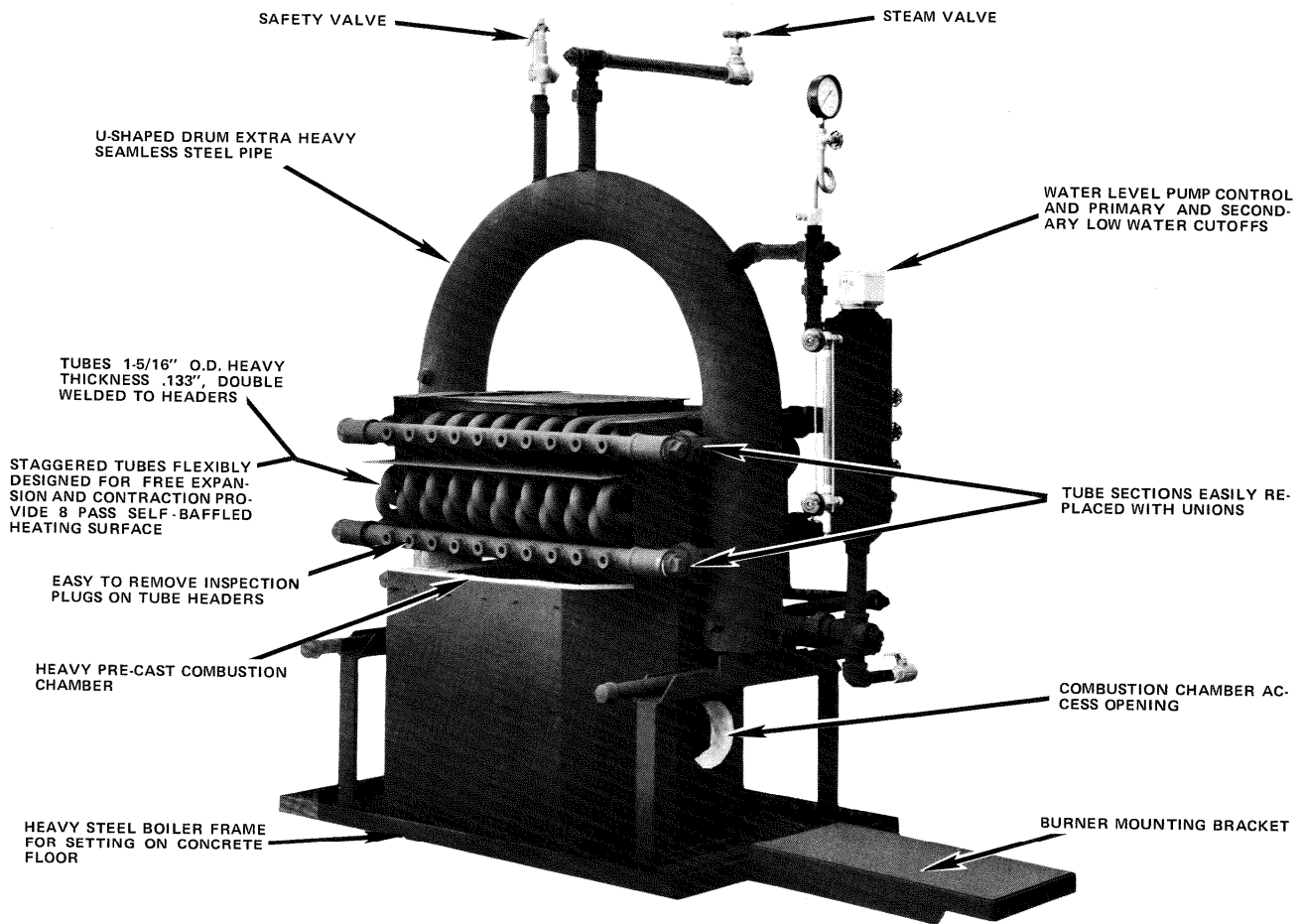
- 1. SAFETY:** A Parker Boiler has never been known to experience an internal explosion even under the severe condition of injecting cold water into a hot boiler. The boiler is practically immune from internal explosion hazards due to the unique flexible design and extra heavy all steel construction. Manufactured in accordance with the ASME Power Boiler Code and registered with the National Board of Boiler and Pressure Vessel Inspectors.
- 2. DEPENDABLE BURNER:** The rugged, heavy duty power burner provides reliable, long-life service. The burner motor and blower wheel supply all air for combustion at sufficient pressure to assure a stable, non-pulsating efficient flame. The burner and controls are pre-wired, factory tested, and listed by Underwriters' Laboratories. Boilers 16 H.P. and larger are equipped with low fire start and variable rate firing to regulate the fire according to the load demand. Combination fired models feature easy changeover of fuels by turning fuel selector switch and a spark-ignited gas pilot to assure safe smooth starting on low fire.
- 3. FULLY PACKAGED:** Factory assembled in a heavy steel fully insulated cabinet with boiler, combustion chamber, burner and controls mounted and wired for inexpensive installation. Pre-cast high temperature combustion chamber and quality thermal fiber insulation prevents heat losses and eliminates all field brick work. The attractive baked enamel wrinkle finish is heat resistant and provides long life protection.
- 4. AUTOMATIC CONTROLS:** Boilers are standardly furnished complete with fully automatic controls including enclosed control panel, electronic flame safeguard, electric ignition, separate operating and high limit controls, water feed pump control, primary and secondary low water cutoffs. The controls used have been chosen for their reliability from many years of service and are manufactured by the best known names in the industry.

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.

*Never a Compromise for Quality or Safety*

# PARKER

OFFERS DEPENDABLE AND ECONOMICAL STEAM  
IN A FULLY PACKAGED BOILER  
SAFE AND SIMPLE TO OPERATE  
EASY TO MAINTAIN



- HIGH EFFICIENCY - ECONOMICAL OPERATION:** Combustion chamber and burner are factory installed and tested to assure peak fuel combustion. All air for combustion is supplied by the burner with positive control to accurately proportion the fuel and air at every firing rate. The special staggered 8 pass tube design puts the heating surface effectively where it should be to assure maximum heat transfer and fuel economy. Full steam pressure is generated from a cold start in less than 10 minutes without forcing the boiler.
- RELIABLE LONG LIFE SERVICE:** The proven Parker bent tube design permits free expansion and contraction of each tube independently with changes in temperatures, avoiding concentrated strain on metal, eliminating warping and leaking which are problems of straight, rigid tube design. This exclusive design utilizing heavy materials and flexible construction is one of the many reasons for Parker's reputation for extreme safety and long life.
- EASY LOW COST REPAIRS:** Any boiler will eventually require retubing depending on care and operating conditions. The Parker is designed with sectional tubes attached with unions so that sections can be easily and inexpensively replaced in minimum downtime. Retubing does not require special tools or skills as necessary on most boilers designed with rolled tubes.
- EASY - SAFE TO OPERATE:** The burner is well known in the industry for its rugged construction and is designed for accessibility with simplified adjustments. This type of burner is one of the easiest and safest to operate and maintain for this application. Conventional type power burner with standard components assures that service and parts are readily available in most areas. No manufacturer offers a power fired boiler designed with comparable safety and controls that is easier to operate and maintain.
- INTERNAL ACCESSABILITY - INSPECTION:** Full length cabinet doors can be easily removed in a matter of minutes making the internal boiler, drum, and tubes readily accessible. Easy-to-remove gasketed inspection plugs are provided at both ends of every tube. Inspection openings are provided in drum legs for easy internal accessibility to clean or inspect drum without disturbing cabinet.
- EASILY CLEANED - COMPLETE BLOWDOWNS:** Blow-off valve is provided at the bottom of mud traps on drum leg. The flexible construction permits complete blowdowns from high operating pressure making possible thorough flushing of drum and tubes on a daily schedule to eliminate costly manual cleaning. Should cleaning become necessary, this can effectively be done with chemicals.

## PARKER BOILER co.

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BROCHURE 101-IV-VI/2A