



# INDUSTRIAL PACKAGED POWER BURNER STEAM BOILER

Horizontal Drum Sectional Water Tube  
30 to 150 HP Power: Gas, Light Oil or Combination Fired

104-5 Steam Boilers 30-150 HP H-Drum

Power Burner Low NOx  
(shown)



## 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.

**PARKER BOILER CO.**  
5930 Bandini Boulevard  
Los Angeles, CA 90040  
Tel (323) 727-9800  
Fax (323) 722-2848  
[www.parkerboiler.com](http://www.parkerboiler.com)  
BROCHURE 104-5 0A9

## ADVANTAGES

### 1. Safety

Our ASME tube bundle is extremely flexible and offers a long life with a 25 year warranty against thermal shock. No Parker Boiler has ever been known to experience an internal explosion.

### 2. Large Heating Surface

A large amount of heating surface provides increased efficiency and minimizes chances of scaling. Compare ours to the competition.

### 3. Heavy Duty Tubes

Parker tubes are 1-5/16" O.D. steel, over 1/8" heavy thickness which is heavier than standard gauge boiler tubing. Each tube is double-welded to assure a rugged connection.

### 4. Low Cost Operation

The staggered tubing design provides a multi-baffled heating surface to increase efficiency.

### 5. 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.

**"Never a Compromise for Quality or Safety"**



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Horizontal Drum Sectional Water Tube

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## 104-5 Steam Boilers 30-150 HP H-Drum

Safety Valves (one only on 30 to 90 H.P.)

Horizontal steam drum heavy seamless with extra heavy 1-1/2" flat welded heads over 60,000 PSI tensile strength all drum screwed openings swaged for extra heavy thickness

Tubes – 1-5/16" O.D., heavy 1/8" thickness, double welded to headers

Tubes are furnished in individual sections each attached by two union connections

Staggered tubes flexibly designed for free expansion and contraction provide 10 or 12 pass self-baffled heating surface

Heavy pre-cast combustion chamber

Heavy Steel Boiler frame for setting on concrete floor

Secondary M.R. probe type low water cutoff

Inspection openings – both heads

Water level pump control and primary low water cutoff

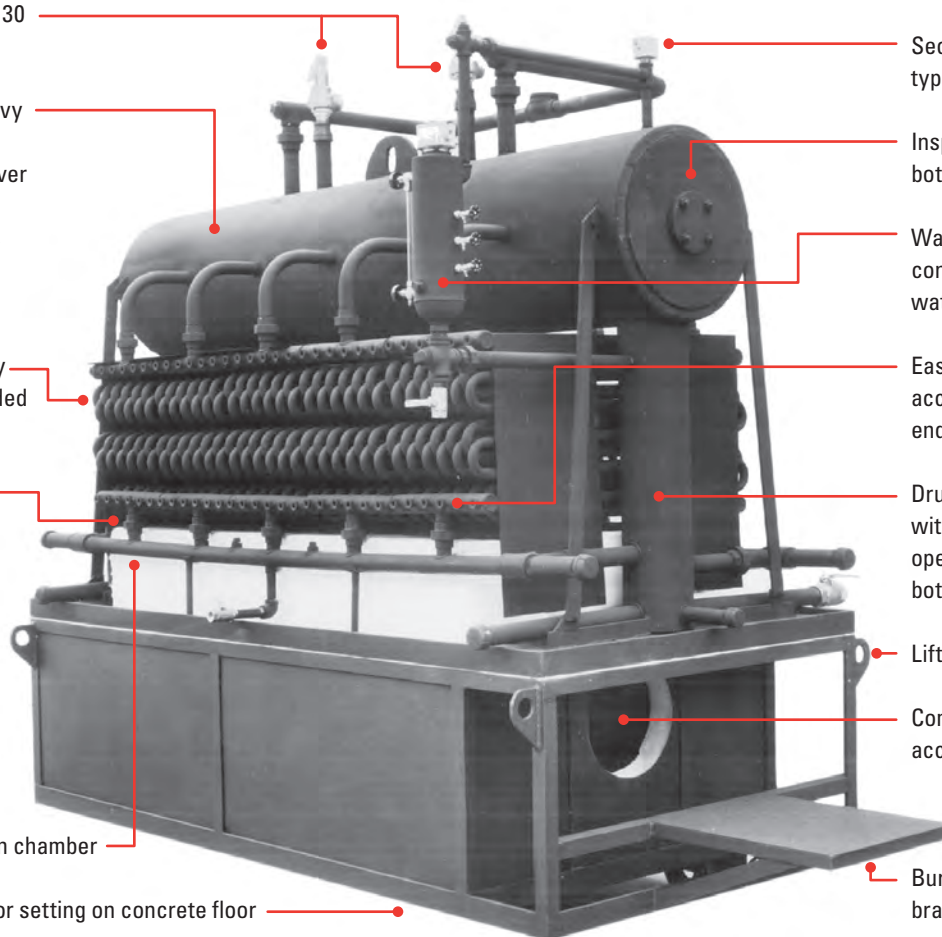
Easy to remove tube access plugs on each end of the tube

Drum downcomer leg with inspection/cleanout openings at bottom, both sides

Lift hook

Combustion chamber access opening

Burner mounting bracket (some models)



### THE PARKER DESIGN

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.

### 6. Dry Steam

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

### 7. Internal Accessibility – Inspection

Full length 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.

### 8. Ease of Inspection and Repair

Any boiler may eventually require retubing depending on care and operating conditions. The Parker is designed with sectional tubes attached by unions so that sections can be easily and inexpensively replaced through the cabinet doors with minimum downtime. Retubing does not require special tools, skills or welding as is necessary on most boilers designed with rolled tubes.

### 9. Dependable Burner

A highly efficient power burner is provided, and Low NOx burners are available. The burner and controls are factory wired, tested and listed by Underwriters Laboratories. All boilers are provided with two stage or modulation firing.



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