VERTICAL FIRETUBE BOILERS

High Pressure Design
Capacities From 30 to 150 BHP.
1004 to 5021 MBTU/HR.

Available in Steam & Hot Water Models

Rifled Pattern

Skid Mounted Package

Superior Heat Transfer Surface
Enhanced Fire Tubes
Totally new design industrial grade construction, 2 pass fire tube design with enhanced heat transfer features. The VIX Series can offer higher efficiencies than standard vertical boilers. It is 100% water-backed and built for years of reliable service.

Small foot print
More than 50% of standard vertical boilers.

Easy access to burner and eye-high control panel. All valves and control located within reach.

Removable Turn-a-round box
Simply loosen the lug nuts and lower the section to inspect the system.

Innovative vessel design
Constant calm water levels with water-to-steam stabilization features.

Large steam chamber with internal water separator insures “dry” high quality steam.

100% ALL STEEL CONSTRUCTION

ALL COMBUSTION WITHIN THE WATER WALL
We specialize in customizing your boiler. The VIX Series can be equipped to suit a wide variety of installations and specifications. We will help direct you to the most cost effective models and features.

### VIX SERIES

**SECTION I**

To 350 PSI Steam

**SECTION IV**

30 / 160 PSI Hot Water

**Boiler Design:**

2-Pass “Vertical” Enhanced Firetube Design

**Pressure Designs**

**Steam:**

30-150 HP, 150 PSI

Higher pressures upon request.

**Pressure Designs**

**Hot Water:**

30-160 max psi.

High pressure, high temperature section I hot water boilers available.

### BOILER SPECIFICATIONS

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<th>BOILER HORSEPOWER</th>
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**NOTE 1:** LENGTHS, WIDTHS & WEIGHTS BASED ON HURST BOILER STANDARD BURNERS

**NOTE 2:** 30, 40, & 50 HP HAVE LEGS IN LIEU OF SKIDS

Dimensions subject to change without notice. Certified drawings available on request.
HURST PERFORMANCE SERIES BOILERS

INSPECTION ACCESS
- The waterside openings are located in the most effective positions. The lower hand holes offer far better access for both clean out and inspection.
- These more functional locations avoid the obstructing hand hole “tunnels” used by our competitors.
- The top opening offers a strategic view of the furnace crown sheet.

SAFETY
- Electrical components are located away from the floor, helping to eliminate the possibility of water coming in contact with electricity.
- Trimmmed with pressure vessel relief valves, pressure limit and burner safe guard controls.

MORE STEAM STORAGE
- Capacity to handle swing and spike loads: quick recovery-quick response.
- The larger steam-release surface is calmer, reducing carry over of unevaporated water.
- The resulting drier steam also reduces system scaling.
- In addition, dry steam helps to eliminate unnecessary extra condensate. Energy and fuel are saved, resulting in longer boiler life.

DURABILITY
- Fire does not pass under the bottom mud ring, eliminating the blistering that occurs with other designs.
- Cooler furnace gases are located at the bottom of the vessel where scale is most likely to occur. Baking of scale is alleviated in Hurst’s design.

RELIABILITY
- The furnace crown is water-cooled, eliminating refractory breakdown inherent in units of inferior design.
- No water coils or “in the fire” mud rings to burnout.

“EYE HIGH” BURNER
- No step ladder is needed to service.
- No bending over or sitting on the floor.
- The air intake is located in the center of the unit so dust is not pulled from the floor.

SAFETY
- Electrical components are located away from the floor, helping to eliminate the possibility of water coming in contact with electricity.
- Trimmmed with pressure vessel relief valves, pressure limit and burner safe guard controls.

EASIER SERVICE
- Thoughtfully engineered with the owner in mind.
- Access opening above feed water inlet for easy cleaning.
- Fireside tube access from top and bottom.
- No heavy doors or covers to complicate service procedures.

OPEN VENT DESIGN
30 to 1000 gallon Tank Capacity. Optional Steam Pre-Heater.

“Expect decades of service with this all steel construction featuring a 3/16” thick rolled tank supported by a robust structural pump station.”

FEEDMISER
BOILER FEEDWATER SYSTEMS
Feedwater Pump Station / Condensate Return

Ask about the...

HBC-09530
09/2017