



**HURST** *The Solid Fuel People*

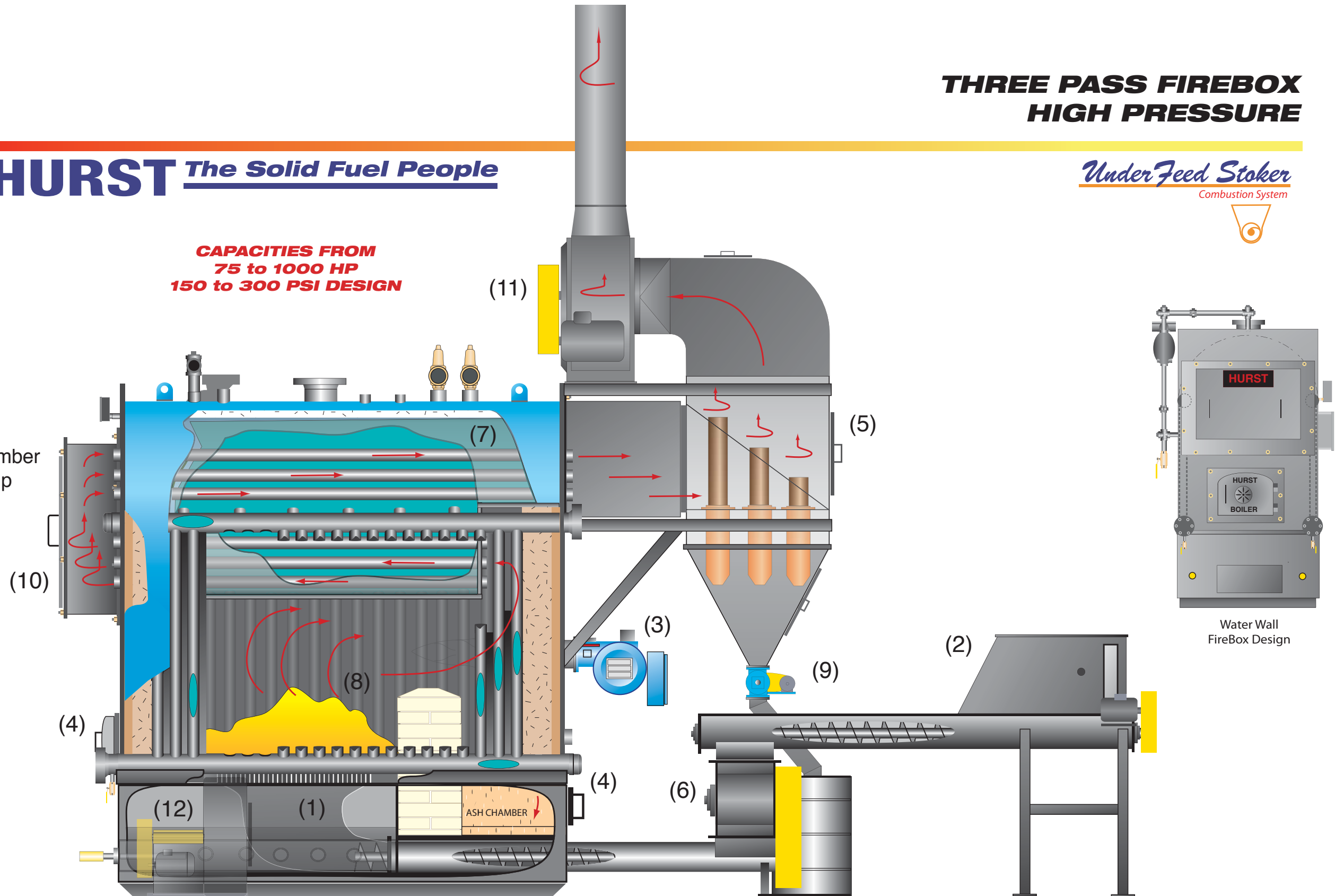
**THREE PASS FIREBOX  
HIGH PRESSURE**

*Under Feed Stoker*  
Combustion System



**CAPACITIES FROM  
75 to 1000 HP  
150 to 300 PSI DESIGN**

- (1) Cast Alloy Under Fire Stoker
- (2) Fuel Metering Bin
- (3) Optional (gas/oil) Burner
- (4) Fire Door/Clean-Out
- (5) Fly-Ash Collection System
- (6) Rotary Air Lock Fuel Feeder
- (7) 3-pass HYBRID Boiler
- (8) Water Wall Combustion Chamber
- (9) Rotary Air Lock/Fly-Ash Dump
- (10) Tube Cleaning Access
- (11) Induce Draft Fan
- (12) Under Fire Air fan



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The FireBox HPD UF design is suitable for applications to produce high pressure steam at 150 to 300 PSI. This system is designed by HBC to combine the best technologies from the "old school" of biomass combustion and the latest advanced combustion control technologies. HBC's under feed stoker systems are suited to burn an array of solid fuels. Ash removal is a manual operation. The boiler vessel is a two pass hybrid firetube / watertube design incorporating a water tubed boiler-type water wall membrane and a two-pass fire tube scotch marine vessel. The combined boiler vessel is a three-pass fire tube firebox design that inherently provides an extended water membrane in the furnace area greatly reducing the amount of furnace maintenance and refractory replacement.

CAT # W-20A

***FIREBOX HPD UF***

***MULTI FUEL*** ***Under Fire Feed System*** ***Modular Packaged***