

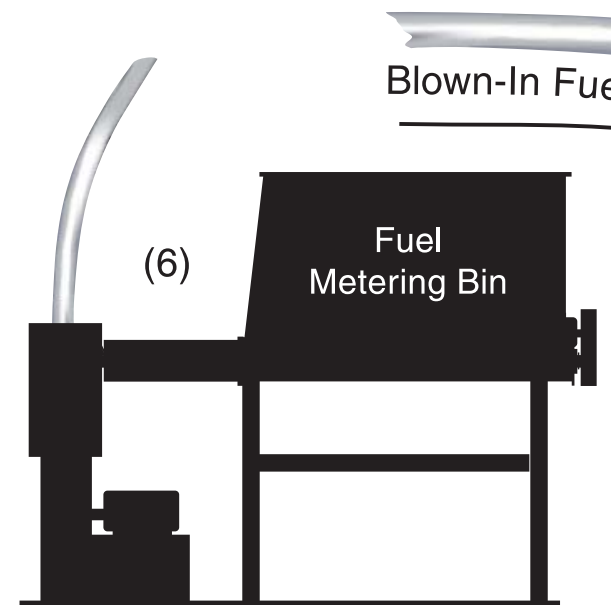


**HURST** *The Solid Fuel People*

*Pneumatic Fuel Feed*  
Pneumatic Combustion System

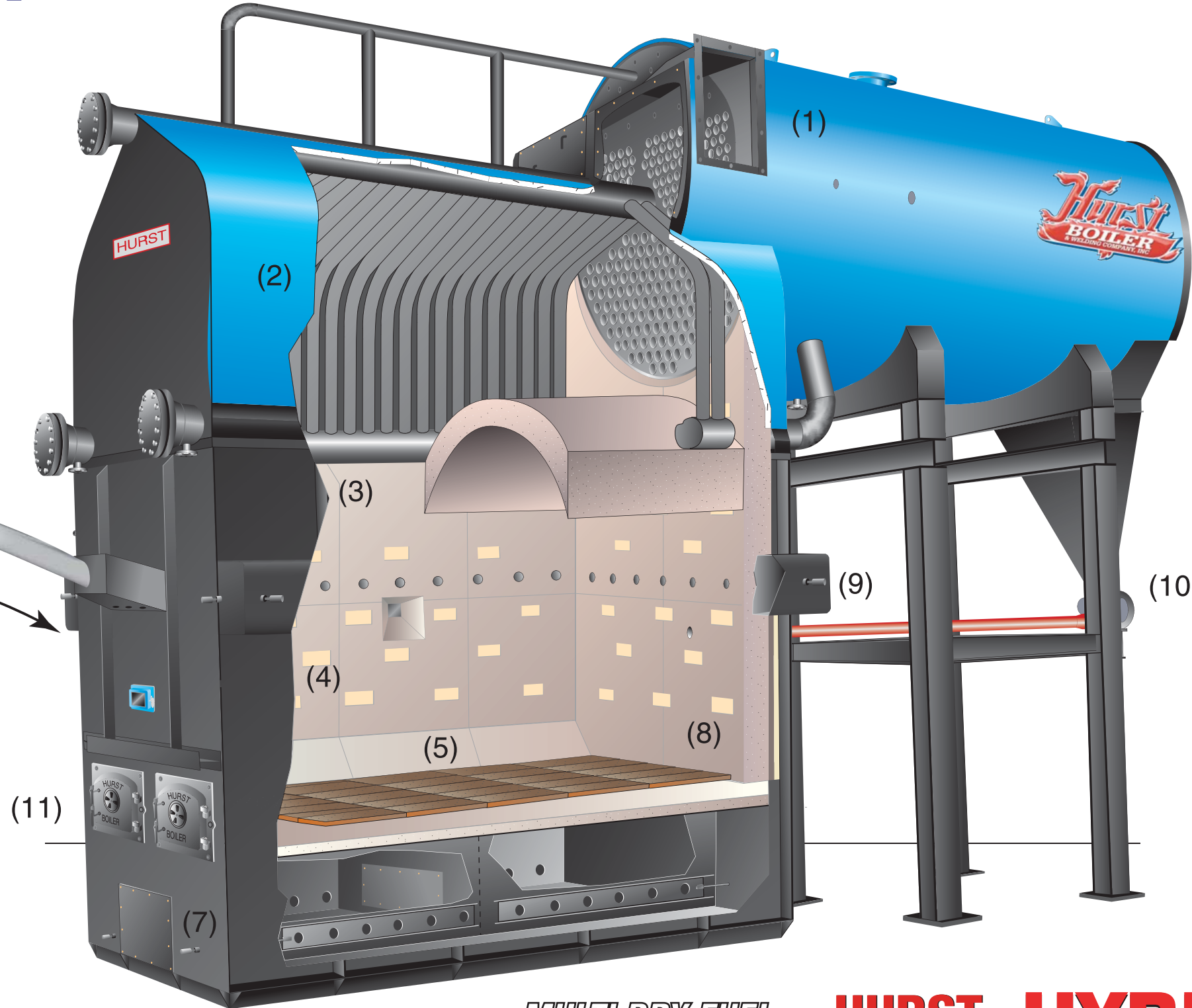


- (1) Hybrid Firetube/Watertube Vessel Design
- (2) Watertube Section
- (3) Radiant Arch
- (4) Combustion Chamber
- (5) Cast Grates
- (6) Pneumatic Fuel feeder
- (7) Air Control Dampers
- (8) Refractory Lined Furnace
- (9) Over Fire Air System
- (10) Ash Reinjection Blower
- (11) Fire Door



High Velocity Material Handling/Pneumatic Blower

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The Hybrid PF design is suitable for applications to produce high pressure steam or hot water in ranges from 3,450 – 60,000 lbs/hr (3.4 mmBTU – 60 mmBTU) output from 100 up to 400 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 Pneumatic Feed Stoker Systems have proven their ability to provide a very low turn-down rate making it particularly suitable for heating applications in lumber dry kilns, veneer log vats, veneer dryers, greenhouses and factories. This combination enables these systems to provide a flexible and reliable operation utilizing a consistent "grade" of biomass waste with low moisture contents ranging from 8 – 20%. Ash removal is a manual operation. The boiler vessel is a two pass hybrid design incorporating a water tubed boiler-type water membrane and a two-pass fire tube scotch marine vessel. This vessel's advantages over standard water tube boilers include much larger steam disengagement area providing high quality steam, larger steam storage capability for quicker response to sudden steam demand and much larger thermal storage that provides fast demand response times and safer operation.

CAT# B-06

*MULTI DRY FUEL*

**HURST HYBRID PF**

**Hybrid Series** *for Dry Type Fuels*

**Pneumatic Air Feed System**

**Modular Packaged**