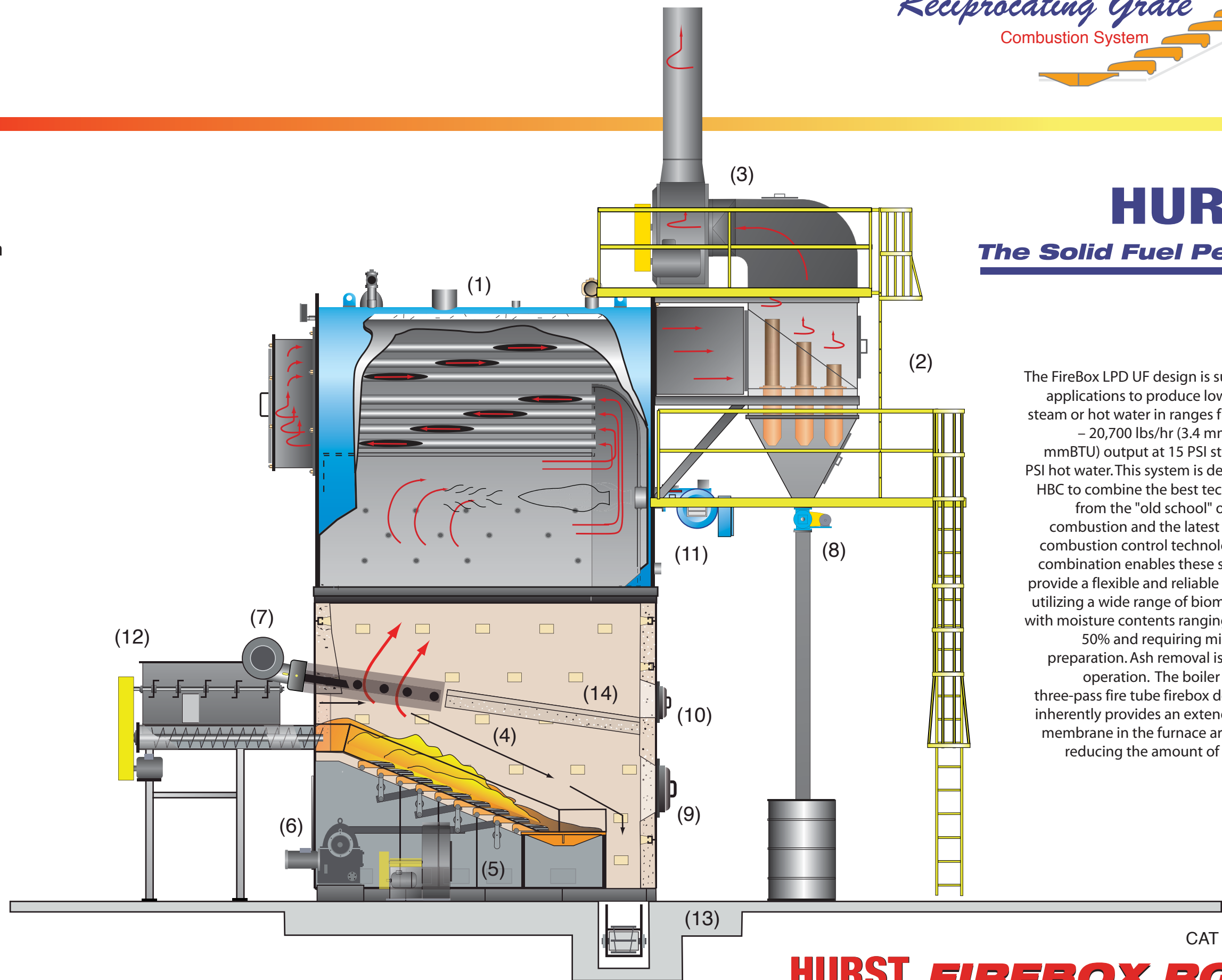




Reciprocating Grate
Combustion System

HURST
The Solid Fuel People

The FireBox LPD UF design is suitable for applications to produce low pressure steam or hot water in ranges from 3,450 – 20,700 lbs/hr (3.4 mmBTU – 20 mmBTU) output at 15 PSI steam or 30 PSI hot water. 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. This combination enables these systems to provide a flexible and reliable operation utilizing a wide range of biomass waste with moisture contents ranging from 8 – 50% and requiring minimal fuel preparation. Ash removal is a manual operation. The 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 refractory required.



- (1) "FIREBOX" Firetube Vessel Design
- (2) Ash Collector
- (3) Induced Draft fan/stack
- (4) Reciprocating Fire Grates
- (5) Under Fire Air Fan
- (6) Reciprocating Drive
- (7) Over Fire Fan/Dampers
- (8) Rotary Ash Dump to Can
- (9) Fire Door
- (10) Aux. Ash Clean Out Door
- (11) Optional Back Up Burner
- (12) Fuel Metering Bin
- (13) Ash Removal Conveyor
- (14) Refractory Arch

HURST BOILER & WELDING CO., INC.
P. O. Drawer 530
21971 Highway 319 N.
Coolidge, Georgia 31738
Toll Free: 1-877-994-8778
Tel: (229) 346-3545
Fax: (229) 346-3874
Email: info@hurstboiler.com

CAT # W-22

HURST FIREBOX RG

Reciprocating Grate System

Modular Packaged