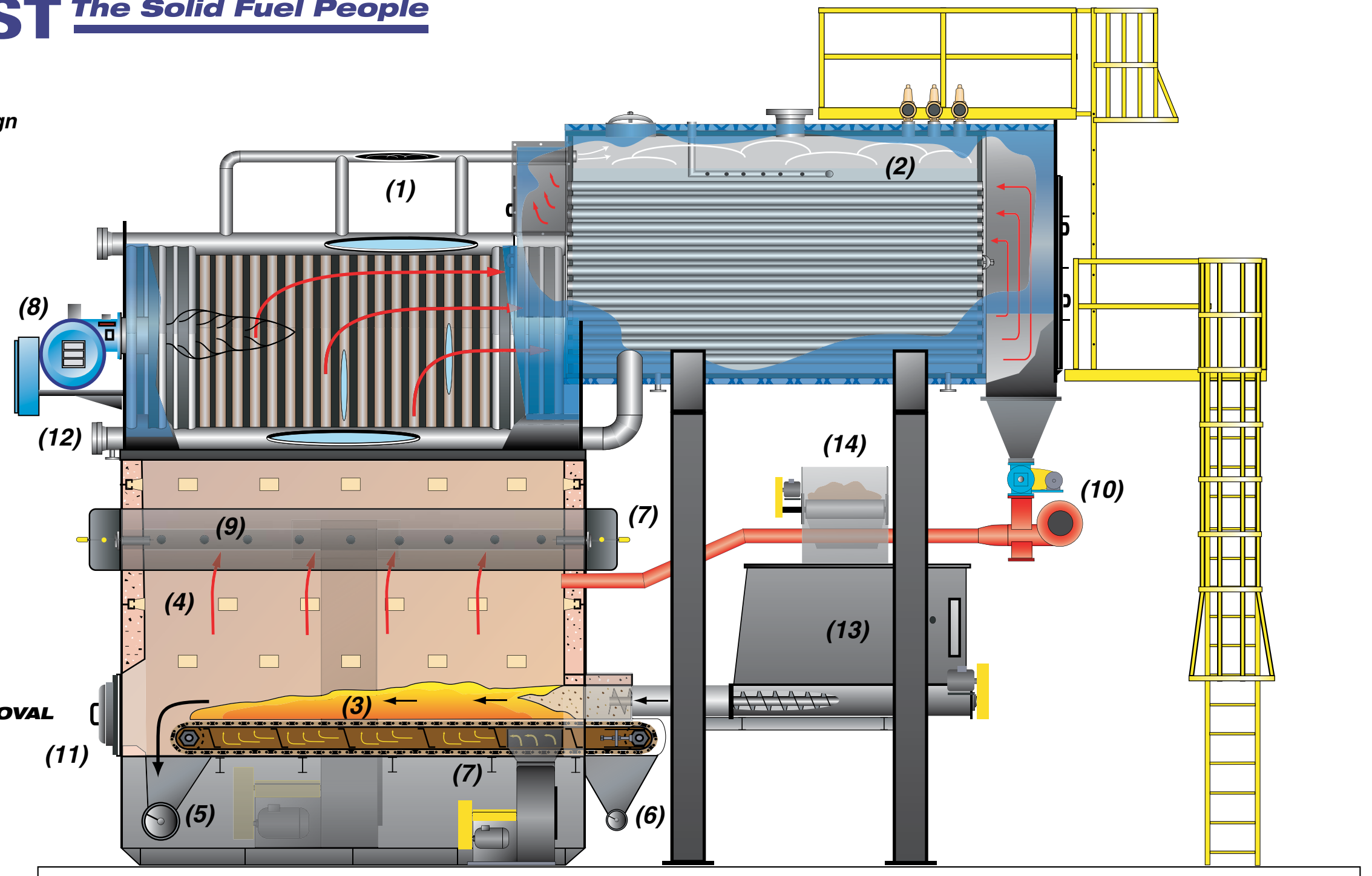




**HURST** *The Solid Fuel People*

*Revolving Stoker Bed*  
Chain Grate Combustion System

- (1) Hybrid Firetube/Watertube Vessel Design
- (2) Watertube Section
- (3) Chain Grate Stoker System
- (4) Combustion Chamber
- (5) Primary Ash Collection Screw
- (6) Secondary Ash Removal Screw
- (7) Air Control Dampers
- (8) Optional Gas/Oil Back Up Burner
- (9) Over Fire Air System
- (10) Ash Reinjection Blower
- (11) Fire Doors
- (12) Water-Side Inspection Ports
- (13) Twin Screw Fuel Metering Bin
- (14) Fuel Supply Conveyor



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**AUTOMATIC ASH REMOVAL**

The Hybrid CG 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. The new HBC chain grate-type stoker system permits a wide range of biomass fuels with high ash contents to be combusted in an efficient manner with the added advantage of automatic de-ashing. This combination is particularly suitable for heating applications in lumber dry kilns, veneer log vats, veneer dryers, greenhouses, factories, schools and office buildings. This combination enables these systems to provide a flexible and reliable operation utilizing a consistent "grade" of biomass waste with moisture contents ranging from 30 – 50%. The boiler vessel is a two pass hybrid design incorporating a water tubed boiler-type 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-04

**HURST HYBRID CG**

*Revolving Chain Grate System*

**Modular Packaged**