

Commercial



Under Feed Stokers ranging in size from 0.5-10 MM BTU/Hr energy input allows for the utilization of dirty and wet biomass fuels.

Ideal for wood chip sized fuel. The geometry of the combustor allows for "in pile" water evaporation which significantly reduces generation of CO, PM, VOC's, and visible emissions. These stokers can be utilized in various hot gas applications with existing or new equipment such as drying or boiler hardware.



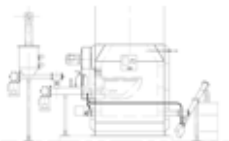
Under Feed Stoker Boiler or Thermal Fluid Systems designed for the utilization of dirty and wet biomass fuels.

Combined with hot water boilers, steam boilers, or thermal oil heaters these systems offer a simple and rugged 24x7 solution. Incorporation of available options will yield performance to suit the desired cost benefit ratio.



High Density Fuel – Water Cooled [HDF-WC] Stokers ranging in size from 0.3-6 MM BTU/Hr energy input are ideal for utilization with biomass pellet fuel.

These combustors are ASME "U" stamp constructed of heavy plate with water cooling of all fired surfaces. High efficiency with low emissions. These stokers can be utilized in various hot gas applications with existing or new equipment such as drying or boiler hardware.



High Density Fuel – Air Cooled [HDF-AC] Stokers ranging in size from 0.3-0.9 MM BTU/Hr are a cost efficient option for pellet fuel.

These combustors feature high chrome steel construction and are completely assembled for easy installation. These stokers can be utilized in various hot gas applications with existing or new equipment such as drying or boiler hardware.



High Density Fuel – Water Cooled [HDF-WC] Low Profile Pressurized Hot Water or Steam Boiler Systems for use with pellet fuel.

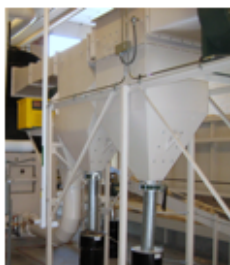
These systems offer the customer all the same features as the HDF-WC systems in a unit designed for conditions where headroom is limited. Three-pass boilers constructed and stamped in accordance with Section IV of the ASME Boiler and Pressure Vessel Code for hot water or steam.

Commercial



Material Handling, Fuel Storage Systems are custom engineered to meet site specific requirements.

These systems can be as simple as a galvanized pellet fuel silo which includes ladder, security cover, and boot. Wet biomass fuel systems which are more complex feature travelling screws or sweep arms to reclaim and meter fuel. All systems are available in a wide range of sizes and storage capacities.



Emission Control Hardware to meet local regulatory standards.

Emission control hardware is custom designed to comply with local rules and regulations. This hardware includes high efficiency cyclones, multi-cyclone high efficiency collectors, fabric filters, and electrostatic precipitators. All hardware reduces particulate emissions and include all supporting structures, shut-off valves, and ash collection drums.



Control and Automation Systems.

Control systems are designed and manufactured to deliver with safe and reliable operation. Systems can carry "UL 508" certification and bear appropriate labeling as an available option. Programmable Logic Controller [PLC] and Human Machine Interfaces [HMI] allow easy operator monitoring and control of all systems and hardware manufactured by SolaGen.