



## Hybrid Solid Fuel Boiler

The Hybrid Solid Fuel Boiler integrates a full waterwall furnace with a steam generating firetube section. The Hybrid boiler maximises heat transfer through the extensive radiant and convective surface combining watertube and firetube steam generation.

Hybrid boilers are best utilized when a bi-product is readily available as an alternate fuel (wood, manure, biomass, bagasse, coal, etc.). Hybrid boiler installations offer economic benefits in addition to the fuel savings such as disposal fees, tax incentives, environmental implications, etc.

Typical industries include manufacturing & processing facilities, pulp & paper, saw mills, petrochemical, universities, hospitals, greenhouses and ethanol plants.

### Simoneau's Hybrid Design Features:

- Capacities: 5,000 PPH to 40,000 PPH.
- Design pressures: 30 psig to 450 psig.
- High or low pressure steam and hot water.
- Large volume of water provides stable steam flow.
- Completely water cooled furnace membrane walls.
- Wet back firetube steam generating section.
- Small foot-print.
- Open bottom furnace to fit a variety of combustion systems.
- Auxiliary burner optional.

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## Benefits of Simoneau's Hybrid Solid Fuel Boiler Design:

- Reliable source of high quality, dry, saturated steam (up to 99.9%).
- Extensive capacity range and excellent long-term reliability to meet commercial, industrial and institutional applications.
- Alternative solid fuel firing - for cost savings.
- Custom application engineering and site-specific design.



## Why Simoneau:

As a Solution Builder, Simoneau utilizes its technical expertise and quality manufacturing to provide custom solutions for your specific boiler applications. Reliability, efficiency and the safety of its boiler systems are key results of the Simoneau designs. Our integration of technical expertise, quality manufacturing, on-time delivery and field support make Simoneau your partner of choice.

**To learn more about Simoneau and its products, please contact:**



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