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## **Greenwood Wood Boiler is Clean, Efficient Heat for the Home**

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**BELLEVUE, Wash. (February 28, 2008)** - The Greenwood Furnace, otherwise known as a wood boiler or a wood-fired hydronic heater, is a state-of-the-art home heating appliance that uses firewood for fuel. This Greenwood Furnace is an incredibly clean system that operates at high efficiency and produces extremely low levels of smoke, creosote and ash. The Greenwood Furnace is manufactured by Greenwood Technologies, a clean burning, renewable heating solutions manufacturer, located in the Pacific Northwest ([www.greenwoodfurnace.com](http://www.greenwoodfurnace.com)).

In contrast to the negative press that wood boilers have been receiving in recent years, the Greenwood Furnace has been labeled as breakthrough and innovative by a number of industry groups and has received a number of awards. When compared to a traditional wood boiler, the benefits of a Greenwood Furnace are many: 70 percent less emissions; up to 85 percent thermal efficiency; reduced home heating costs; up to 60 percent less fuel required; and reduced maintenance due to limited ash production. These appliances are installed in basements, garages or sheds and can also operate as a water heater.

“We have created products that make a difference in how people heat with wood,” noted Michael Kuehner, vice president of Greenwood Technologies. “The independence that comes with heating with wood is now available in a central heating appliance that is also clean burning. We are now focused on helping people replace their older wood boilers with better technology.”

There are three different models of Greenwood Furnaces: Model 100 produces 100,000 BTUs per hour, which can heat a space between 1,800-5,000 square feet; Model 200 doubles the heating capacity and is perfect for a 4,000 to 10,000 square foot space; and, Model 300 can heat up to 15,000 square foot of space with 300,000 BTUs per hour.

The Greenwood Furnace uses a unique wood gasification boiler technology manufactured with strict quality assurance procedures. The furnaces are made with top quality components and materials, such as durable cast ceramic. Based on a tested design developed more than 20 years ago, the Greenwood boiler is one of the most efficient wood burning boilers available for purchase. And, it is built in an entirely different way than traditional wood boilers. The firebox is made of super-duty ceramic refractory, cast four to six inches thick, and surrounded by outer layers of insulation designed to keep the



heat in. The natural draft system pulls air into the furnace which fans the flames and creates a roaring fire with sustained temperatures of 1,800 to 2,000 degrees Fahrenheit. Heat from the fire is captured by a water tube heat exchanger located above the firebox in the path of the escaping superheated gases. The furnace extracts heat from these escaping gases, not the fire below.

The furnace operates most efficiently with dry, un-split firewood, and heat output varies dependent on the species of wood burned. A full load of hardwood will typically last between eight to 12 hours. The Greenwood Furnaces can be integrated with most existing heating systems, providing primary heat during the winter.

“We are passionate about manufacturing extremely clean burning wood-fired furnaces that give hardworking people a real choice in how they create a warm and comfortable home,” noted Kuehner. “Our vision is to provide products that give people independence, flexibility and control of the family budget while keeping their neighborhood air clear of smoke.”

The Greenwood Technologies products are sold through dealers throughout North America. Information is available at [www.greenwoodfurnace.com](http://www.greenwoodfurnace.com).

#### **ABOUT GREENWOOD TECHNOLOGIES, LLC**

The Greenwood Furnace is manufactured by Greenwood Technologies, a clean-burning, renewable heating solutions manufacturer, located in the Pacific Northwest. The Greenwood Technologies high efficiency wood and biomass hydronic furnaces are available through dealers and retailers across the United States and Canada. For more information call (800) 959-9184 or visit [www.greenwoodfurnace.com](http://www.greenwoodfurnace.com).

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