

# Efficiency in a wood burning heater or furnace goes into every smart looking home heater and furnace built by the engineers at Ardent Energy.

When you choose a heater or furnace built by Ardent Energy engineers, you're putting to work the ultimate of woodburn science. Features have been tested and refined by Hans Duerichen, a mechanical engineer from Smithers, BC, who has specialized in wood-waste burning and pollution control. Mr. Duerichen and his designers have spent their priority time designing the inside of their stoves.

Ardent Energy's heaters and furnaces are able to burn one load of wood for 8 to 36 hours and control the temperature in your home to within one degree.

The result is better than just good looks. The result is plain efficiency.

Begin by loading wood in the stove. The door, wide and tightfitting, is perfect for large diameter wood pieces. Even before the wood ignites, air that will reach the firebrick compartment is being pre-heated. Hot air is fed down to the main flame where a simple, yet ingenious system called a progressive cross-draft, directs more air to the fire if the temperature in the room drops. Wood at the top can dry and settle to the heart of your Ardent Energy system.

By actually feeding itself, your fire burns slowly and evenly with just the right amount of air it needs.

By not having the bother of constantly feeding and caring for your fire, you may wonder if you are increasing the amount of creosote and waste that escapes. (To a serious wood burner, that's like throwing money away!)

For this reason Ardent Energy heaters have the main escape route to the chimney closed during normal burning. Wood smoke is forced downward over hot coals and into a secondary combustion chamber. Add jets of super-heated air through tiny holes and remaining gases have even more heat squeezed out and saved for your comfort.



Model F-75R

**It's heater design that puts a glow in your life and provides these great benefits.**

- **Ardent Energy heaters are easy to use.** You'll be amazed at the size of wood-pieces your new heater takes. Load up and carry on with your day. Inside, better combustion means less ash and less cleaning.
- **Ardent Energy heaters precisely radiate warmth, ending wasteful overheating.** An optional electric wall thermostat with your Ardent Energy heater will keep your home temperature accurate to within one degree of thermostat setting. Just set the dial.
- **Ardent Energy heaters are adaptable.** Add a blower to circulate warmth immediately around your unit or add a water coil to heat your hot water (Ardent Energy is the only stove and furnace manufacturer to have its own listed water coils).

**Now if your choice is an Ardent Energy heavy duty furnace, relax knowing that:**

- **Ardent Energy engineers have made it easy for installation.** A two-inch plenum clearance above your furnace makes the add-on very easy. Install your Ardent Energy furnace with a circulating blower and use it as a wood-only unit or marry your existing unit (gas, oil or electric) to your new Ardent Energy woodburn furnace. The thermostat control kit includes a simple universal wiring harness for easily connecting to your existing furnace. Now you have real control over the woodburn warmth of your house.
- **Ardent Energy Furnaces are built tough.** Heavy gauge components assure durability and minimal heat distortion. a self-aligning centre-push door stays leakproof for a lifetime, so no unwanted air makes your furnace too hot.

When you buy your Ardent Energy unit, you also buy a comprehensive warranty, which includes the benefits of a three-point quality control system and an investment that is Warnock Hersey tested to meet and exceed Federal, Provincial and State requirements.

Ardent Energy has the home heater or furnace to give you complete control – basement to top floor – to specifically meet your needs.

**Choose one of the models in this brochure. It will be a good choice. A choice that will put a glow in your life.**

