



CUT HEATING COSTS BY USING A VENT-FREE GAS HEATER, FIREPLACE, STOVE, OR LOG SET

Get the most out of your energy dollar with a vent-free gas appliance – the \$ensible™, cost-effective heating option. While many vented fireplaces produce little or no heating value, modern clean-burning vent-free gas heaters, fireplaces, stoves, and log sets look good and provide the most efficient supplemental gas zone heating available on the market today.

CONSIDER THESE ENERGY-SAVING FACTS:

- >> **All of the useable heat from vent-free gas appliances remains in the room, rather than going up the chimney or out a vent.**

All vented gas and solid-fuel fireplaces lose some or most of their useable heat straight up the chimney or vent. For example, **vented** gas logs installed in a wood burning fireplace typically range from 30,000 to 60,000 Btu/hr and the fireplace damper must be totally open resulting in most of the heat escaping up the chimney. Depending on the design chosen, a **vent-free** gas log in the same fireplace would burn only 26,000 to 40,000 Btu/hr and virtually all of the heat produced would be delivered into the living space. Therefore, the savings in fuel costs with a vent-free gas log is tremendous and the resulting comfort from the fireplace is dramatically increased versus a vented appliance or burning wood.

- >> **Vent-free appliances are the most fuel-efficient heating products on the market today.**

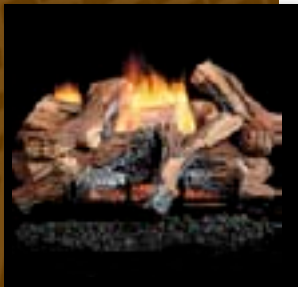
Because the increase in the cost of natural gas is on everyone's minds, it is important to buy products that are energy efficient. All vent-free gas appliances are 99.9 percent efficient. Virtually all of the natural gas or propane burned by the product is converted into room-warming heat. This makes these products the most fuel-efficient heating devices on the market today.

- >> **Natural gas is still the most cost-effective source of heat.**

While the price of all fuels has risen in the past several years, natural gas still provides more heat for the dollar than any other home heating fuel. A direct comparison of costs for different fuel types based on 2006 U.S. Department of Energy (DOE) average unit costs of energy follow.

Natural Gas	\$1.415/therm
No. 2 Heating Oil	\$1.637/therm
Kerosene	\$2.030/therm
Propane	\$2.135/therm
Electricity	\$2.875/therm

1 therm = 100,000 Btus



MORE >>

Vent-Free Gas Products Alliance

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>> It costs pennies per hour to operate a vent-free gas supplemental heating appliance.

A typical vent-free fireplace consumes 26,000 Btus/hr. Assuming the unit operates at peak operation for one hour based on DOE's 2006 unit cost of natural gas, it would only cost **36 cents an hour to run the appliance**. Operating the appliance for two hours per day for a month and adding the minimal cost of the pilot, the monthly cost would be approximately \$26.64.¹

Note: Most vent-free units have thermostats that lower the heat when it reaches a pre-set temperature, so these appliances DO NOT operate at peak output all of the time. Consequently, the operating cost of a vent-free appliance, equipped with a thermostat, is even less than the one given in the example above.

>> Reduce your heating bill by zone heating.

Strategically placing a vent-free gas heater, fireplace, stove or log set in rooms you use most can significantly cut your winter heating bill. Vent-free appliances put the heat where you want it and when you need it, allowing you to turn down the thermostat on your central furnace. According to the American Gas Association, turning the thermostat back 10-15 percent for eight hours per day can cut your heating bill by 10 percent.²

A conservative calculation using DOE average use and cost data for home heating with natural gas shows using the central furnace to supply two-thirds of a home's heat and a vent-free appliance to provide zone heating in the living areas used by the homeowner, would result in a 12 percent cut in fuel costs.³ Supplemental vent-free gas heating appliances provide the heat where it is desired and not throughout the entire house. **The greater the use of the vent-free appliance, the greater the savings.**

In fact, many consumers report even more dramatic savings. Here is what Cameron Mosher of Sandy, Utah found when he installed a vent-free log set:

“ I put an 18-inch vent-free log set in my small wood-burning fireplace in 2002. I installed a thermostatic remote control and set it at 72°, then set the furnace thermostat at 69°.

Previously my gas bill was \$74/month. At the next calculation it dropped to \$53/month, a 30% savings! ”

Your savings will vary depending on your home and how you use your heating appliances. Vent-free gas appliances should be used as supplemental zone heaters and not as a primary source of heat, except during a power outage.

>> Heat you can count on.

Most vent-free appliances don't rely on electricity. They supply heat even when home power is lost due to severe weather or emergency situations.

¹ A typical vent-free fireplace consumes 26,000 Btus/100,000 Btus= .26 therms per hour x \$1.415 per therm = \$.36/hr to operate.

² American Gas Association Fact Sheet

³ Assumptions: Avg. home uses 756.41 therms/yr/avg. NG central heater is 80% efficient, provides 2/3rds the heat/avg. vent-free appliance is 99.9% efficient, provides 1/3 heat



The Vent-Free Gas Products Alliance and its website, www.ventfree.org, continue to be a popular source for information on vent-free appliances. The Alliance has long worked closely with codes and standards groups across the country to provide accurate, up-to-date, and complete information on vent-free appliances.

The Vent-Free Gas Products Alliance is a coalition of members of the Vent-Free Gas Products Division of GAMA - An Association of Appliance and Equipment Manufacturers.

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