

Warmth and Comfort.
efficiency and savings.



The smartest way to heat your home.



ENERGY STAR
*means energy
savings.*



KNIGHT meets strict ENERGY STAR efficiency guidelines set by the Department of Energy and the Environmental Protection Agency. Its remarkable 95% AFUE* efficiency rating means that 95 cents of every energy dollar you spend with your gas utility provider goes directly into heating your home. In lower-temperature applications such as radiant floor heating, **KNIGHT can deliver even higher thermal efficiencies up to 99%.**



And with NOx emissions less than 20 ppm, KNIGHT is “green” for the environment, and delivers significant energy cost savings compared to boilers with the 80% minimum AFUE requirement for new housing. KNIGHT savings are even higher compared to 75% or lower AFUE units found in many older homes.

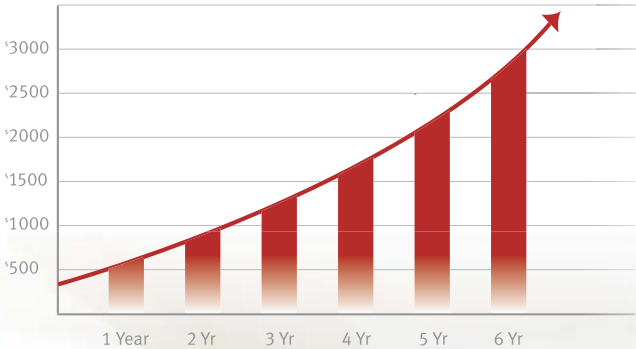
*The AFUE is the most widely used measure of a boiler's heating efficiency. It measures the amount of heat actually delivered to your house, compared to the amount of fuel that you must supply to the boiler. Thus, a boiler that has an 80% AFUE rating converts 80% of the fuel that you supply to heat. The other 20% is lost out the chimney.

*Have it all with KNIGHT®...
The smartest way to heat your home!*

Since 1919, Lochinvar, LLC has provided homes and businesses with innovative, efficient solutions for water heating and space heating. Lochinvar's industry-leading technology makes the KNIGHT residential heating boiler the best choice you can make to keep your family warm and comfortable through the entire range of winter temperatures.

*For example... 95% efficient means that over 6 years of heating bills, **KNIGHT could save \$3,000 in fuel cost!***

Compared to a 75% AFUE boiler and based on 80,000 Btu heating load over 2,000 hours of operation and a fuel cost of \$1.13 per therm.

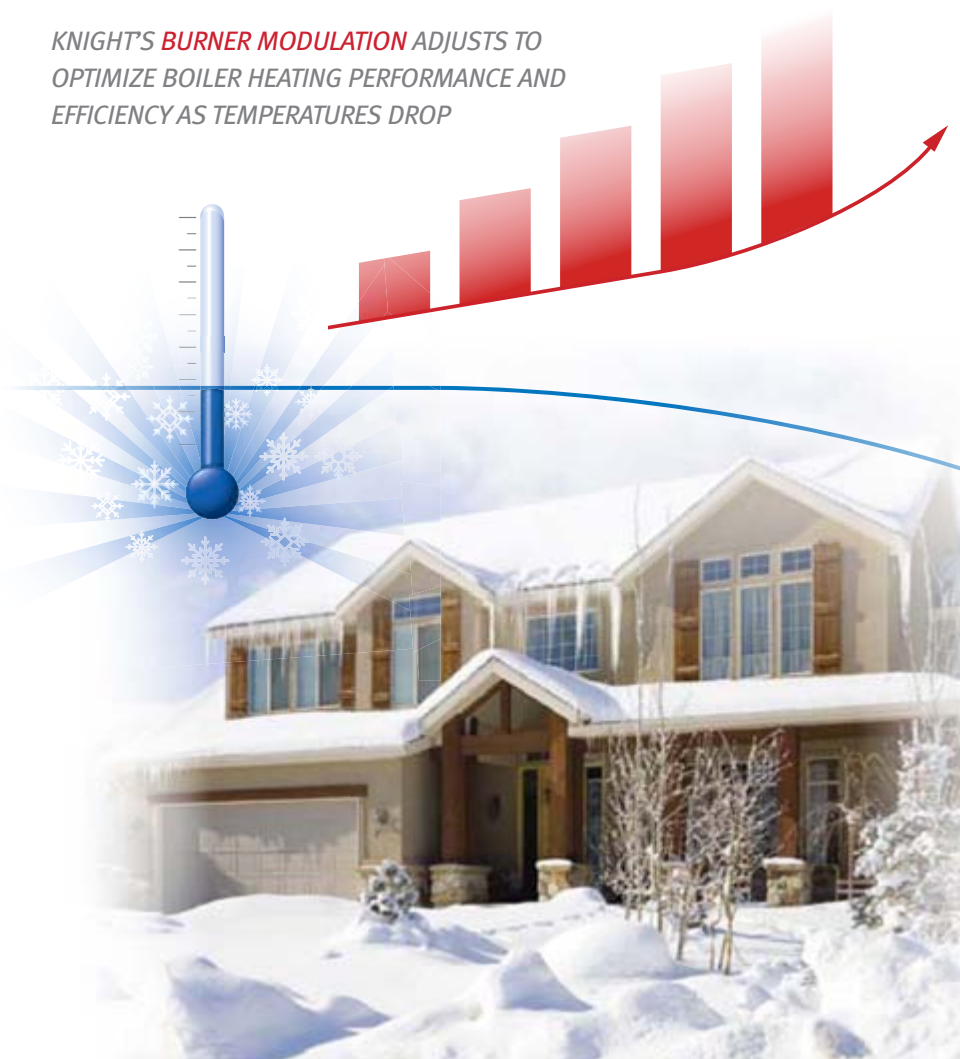


KNIGHT Modulates to Quietly Help Save Energy!

What is modulation? Let's say your home is heated by a KNIGHT with 285,000 Btu/hr heating power. When it's just "pretty cold" outside, the boiler starts by firing at a fuel-saving 57,000 Btu/hr, only 20% of its maximum heating potential. As the temperature drops to "really *really* cold," KNIGHT is designed to "modulate" upward to the 100% maximum 285,000 Btu/hr of heating power.

KNIGHT automatically adjusts its firing rate to exactly meet demand for heat. Modulation eliminates the frequent, noisy on/off cycling heard from boilers or forced-air systems that can only fire at 100%. This helps reduce wasted fuel, and ensures a "quiet KNIGHT" for your home.

*KNIGHT'S **BURNER MODULATION** ADJUSTS TO
OPTIMIZE BOILER HEATING PERFORMANCE AND
EFFICIENCY AS TEMPERATURES DROP*



The new SMART SYSTEM™ provides unequalled control and monitoring functions that are easy to understand and use.

Every KNIGHT boiler has SMART SYSTEM, the industry's most advanced boiler control. With a large LCD screen and easy-to-use soft keys, SMART SYSTEM gives you and your contractor a complete database of performance history, an unprecedented level of control and complete information on all system functions.

Plus, with included SMART SYSTEM features such as Outdoor Air Reset, the control automatically adjusts the boiler supply temperature based on the temperature outdoors.

The smart function of the control saves you energy every day of the year that the outdoor temperature is above the worst-case scenario design temperature of the heating system.



Lochimac™
SMART SYSTEM

A YELLOW SCREEN ALERTS WHEN YOUR BOILER REQUIRES MAINTENANCE, AND GIVES YOU THE NAME AND NUMBER OF YOUR INSTALLING CONTRACTOR.



Add a Squire® Indirect Water Heater to save even more on energy costs!

The KNIGHT boiler can be installed with a Lochinvar Squire Indirect Water Heater, giving you high-efficiency space heating, plus all the hot water you need.

Squire works in tandem with KNIGHT, drawing high-temperature water from the space heating loop and circulating it through a heat exchanger inside the tank to provide domestic hot water for your home.

“Indirect” design means Squire needs no direct gas or electric heat source of its own. Because it “borrows” water from the KNIGHT boiler, Squire can provide more hot water with lower water heating costs, compared to a standard gas or electric water heater.

***MODELS AVAILABLE FROM
30 TO 119 GALLONS***

STAINLESS STEEL CONSTRUCTION

LIMITED LIFETIME WARRANTY





*There's a **KNIGHT** for every home!*

Lochinvar innovation provides you with a choice of 12 floor-standing or wall-mount models that are compact, lightweight and easy to install. A single KNIGHT boiler will meet the need for most homes.

For large homes with very high heating demand, or homeowners who want traditional space heating, PLUS radiant floor heating and/or outdoor snow melt, as many as 8 KNIGHT boilers can be installed together, to provide total input as high as 3,192,000 Btu/hr.

Wall-mount



Wall-mount models are available with inputs from 55,000 to 399,000 Btu/hr



Floor-standing



Floor-standing models are available with inputs from 80,000 to 285,000 Btu/hr

KNIGHT floor-standing models are also manufactured in "XL" commercial sizes with inputs from 399,000 to 800,000 Btu/hr



Indirect
Water
Heating



Models from 30 to 119 Gallons

Limited Lifetime Warranty

Find out more at
KnightHeatingBoiler.com



*Lochinvar, LLC is 100% American-owned.
All Lochinvar boilers are produced at our
headquarters manufacturing facility in
Lebanon, Tennessee.*



Lochinvar[®]
High Efficiency Water Heaters, Boilers and Pool Heaters