



get

legendary comfort and Heroic Energy savings



 **Lochinvar**[®]
High Efficiency Water Heaters, Boilers and Pool Heaters
www.knightheatingboiler.com

introducing **The KNIGHT**
Heating Boiler
from **Lochinvar**



The KNIGHT's high-tech design and high-efficiency performance make it the smartest way to heat your home.

There's a new champion in home heating — the KNIGHT high-efficiency condensing boiler from Lochinvar. With a 93% Annual Fuel Utilization Efficiency (AFUE) rating, you can rest assured that 93¢ out of every energy dollar goes directly into heating your home. That's well above ENERGY STAR® standards, and its efficiency goes up to an astounding 98.6% in low-temperature radiant applications, saving you hundreds of dollars each heating season! (See the savings chart on back.)

Greater Comfort That's Environmentally Friendly

The KNIGHT's burner and combustion system features the industry's most advanced modulation for unsurpassed comfort. Ordinary boilers turn on at full power and run for a few minutes, then shut completely off — repeating this many times throughout the day. In contrast, the KNIGHT boiler will modulate from 20% to maximum input in steady increments so that you always get the comfort level you desire. It's like having the efficiency advantage of multiple boilers in one compact, space-saving unit. The burner/combustion system also provides environmentally friendly operation (either natural gas or LP), with air quality emissions so low that they exceed the toughest environmental standards.




SMART SYSTEM™ Comfort Control At Your Fingertips

The KNIGHT's unique SMART SYSTEM™ Control includes an energy-saving setback function that lets you custom-tailor the boiler's performance to your comfort needs. It also features a 2-line LCD display that alerts you when servicing is required. And as the outside temperature changes, the automatic energy monitor adjusts the KNIGHT's output for maximum comfort and energy savings.



Like the cruise control in your car, the KNIGHT's SMART SYSTEM™ Control automatically adjusts the boiler temperature as the outside temperature changes to provide ultimate indoor comfort.



You can count on the KNIGHT for years of dependable operation. That's why we back it with a 12-year limited warranty.

Your family deserves the trusted performance of a KNIGHT.

Optimum indoor comfort. Remarkable energy efficiency. All backed by Lochinvar's proven performance, durability and dependability. In every category, the KNIGHT is the champion that belongs in your home.

This hero is handsome and dependable.

The KNIGHT's compact size enables it to fit where other heating units won't. And because it's made with commercial-grade materials, it's one of the most durable residential boilers ever built. Lochinvar engineers put the KNIGHT through thousands of hours of grueling, nonstop testing to make sure you get today's most reliable heating boiler. That's why it's backed by an outstanding 12-year limited warranty.



The ENERGY STAR Advantage

The KNIGHT has earned the ENERGY STAR by meeting strict energy efficiency guidelines set by the Department of Energy and Environmental Protection Agency. The ENERGY STAR is your assurance that you're getting a product that maximizes energy efficiency to lower your fuel bills while protecting the environment.



Higher Efficiency Means Lower Energy Bills

Because energy costs are rising rapidly, you'll really appreciate the KNIGHT's remarkable 93% AFUE efficiency rating. It delivers about twice the energy savings of 75% AFUE units found in many older homes — and much greater fuel efficiency than the 80% AFUE minimum required in new housing. Let the KNIGHT shield you from today's skyrocketing energy bills.



Powerful, compact, easy to install and simple to set up.



This is one "Silent Knight." You'll be amazed at how quietly the KNIGHT heats your home. Its unique modulating design eliminates the noisy on/off cycling heard in most forced-air heating systems.



An 85-Year Commitment To Innovation

Since 1919, Lochinvar has been the leader in commercial water heating solutions. Now we're bringing that innovation to residential heating with the KNIGHT. For decades, Lochinvar has offered a unique blend of commercial expertise and technological leadership. Our manufacturing facility features today's most cutting-edge technologies—from computer-controlled machining to advanced robotics.

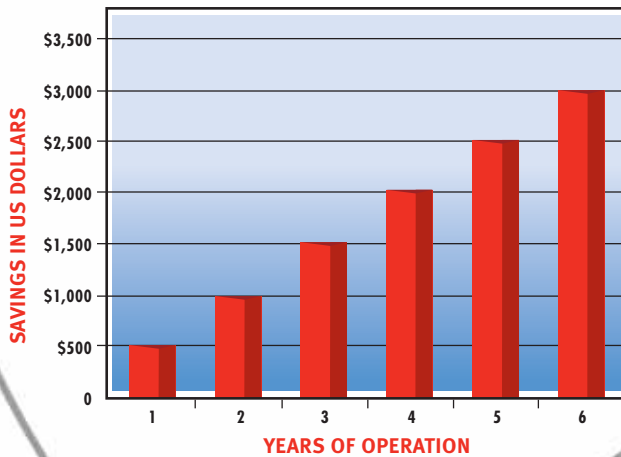


There are seven KNIGHT models to choose from. Your Lochinvar dealer can help you select the one that's ideal for your home.

MODEL NUMBER	Btu/Hr INPUT MODULATION*
KBN080	16,000–80,000
KBN105	21,000–105,000
KBN150	30,000–150,000
KBN210	42,000–210,000
KBN285	57,000–285,000
KBN399	80,000–399,999
KBN500	100,000–500,000

*Typically, boilers are sized for the coldest days of the heating season, which only occur a few times a year. Traditional on/off boilers only fire at 100% capacity, which often results in overshooting ideal temperature and can lead to operational problems. The KNIGHT modulates down to 20% of its maximum input for a closer match to actual heating load, producing optimum comfort and energy efficiency.

TOTAL FUEL SAVINGS vs. 75% AFUE



This chart shows what you'll save with the KNIGHT heating boiler compared to older units with 75% AFUE efficiencies. Operating costs are based on an 80,000 Btu heating load and 2,000 hours of operation with a fuel cost of \$1.13 per therm.

In-floor radiant heating further increases your fuel savings because efficiencies increase to an impressive 98.6% with the KNIGHT heating boiler.



Your home is your castle...and now there's a heating boiler that delivers the legendary performance you need. To learn more about the new KNIGHT from Lochinvar, visit us online at www.knightheatingboiler.com today.



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