

LE SERIES



- Direct Vent or Natural Draft
- Oil Fired
- Water Only
- Steel Package
- 74 to 143 MBH Capacity

The oil-fired LE Series steel boiler offers optimal heating performance in a low mass, compact unit for today's modern hydronic systems. With the ability to heat up and cool down quickly, the LE Series provides complete home comfort without wasting fuel oil. The LE Series boiler is available in natural or direct vent models and is a participating member in the Energy Star Program.

EFFICIENT & ECONOMICAL OIL-FIRED HOT WATER HOME HEATING

Burnham
AMERICA'S BOILER COMPANY

LE SERIES

**DIRECT VENT
MODEL NOW
AVAILABLE**



BURNHAM LE SERIES DIRECT & NATURAL VENT MODELS

Lifetime Quality For Your Home

Uncompromising comfort is what you and your family can expect when your heating contractor installs a Burnham Low Energy (LE) Series boiler. Offered in two models, direct vent and chimney-vented (natural draft), the oil-fired LE Series boilers are available in the size best suited for your home.

Introducing the LE Direct Vent Boiler

Is your electric bill out of control during the heating season? If you have an electric heating system or heat pump that probably is the case. Fortunately, with a new Burnham LE Direct Vent boiler, you can enjoy a comfortable home without an uncomfortable monthly utility bill.

High Efficiency

With annual fuel efficiencies of up to 86%, you can look forward to lower heating bills year after year with your Burnham LE boiler. And your LE boiler could easily pay for itself in just a few years from fuel savings alone.



No Chimney Needed

Avoid the expense of repairing a deteriorating chimney by installing the LE Direct Vent boiler. Since all flue gases are directly vented through a wall, there is no need to spend thousands of dollars on updating your chimney for local building codes. Consequently, the LE Direct Vent boiler can be installed virtually anywhere, such as the garage, basement, or a closet - wherever is most convenient for you. The LE Direct Vent is also ideal for new construction because today's tightly insulated homes are commonly built without chimneys.

A Complete Home Heating System

When you combine savings with the versatility of a hydronic (hot water) heating system, you'll be able to enjoy the ultimate in home comfort. Both LE Series boilers can be teamed up with radiant heat piping, an indirect water heater, or zoning controls to accommodate your heating and hot water needs.

3 Discover Radiant Heating

Keeping cold bathroom tiles warm and snow off your driveway in the winter are just a couple of benefits you can look forward to with a radiant heating system. Both LE Series boilers can work in combination with radiant pipe to deliver heat from your floor, ceiling or walls

directly to your body. Because of the unique way radiant heat works, the thermostat setting in your house can typically be set three to five degrees lower than normal settings. The net result is fuel savings.

3 Domestic Hot Water

Nowadays, homeowners are requiring more hot water for their showers, dishwashing, clothes-washing, hot tubs, and other domestic uses. Fortunately,



the Alliance indirect water heater installed with a LE Series boiler is an ideal way to meet every hot water need quickly and cost-effectively. Unlike gas-fired or electric water heaters, the Alliance water heater uses boiler water as the heat source to produce gallons of hot water in an insulated tank.

3 Heating System

Management

By combining either the Direct Vent or Chimney-Vented LE Series boiler with Burnham's EC5000 microprocessor, you can manage your entire heating system with one simple control. Burnham's EC5000 provides individual temperature control for up to four heating zones and an indirect water heater while continually monitoring outdoor and indoor air temperature. Other features include a warm weather shut down and nighttime setback. Investigate all the ways the EC5000 can help you save on your home heating and hot water needs.

The LE Direct Vent Package

With every Burnham LE Direct Vent boiler, your contractor will get an accessory package and instructions on venting your new boiler properly. Each boiler shipped will include a vent terminal, intake terminal, intake vacuum breaker, vent connectors, and vent pipe sealant.



Offered separately from Burnham is Z-FLEX® double-wall vent pipe. Available in 5, 10, 15, and 20 feet, this flexible piping makes it easy for sidewall venting.



The LE Direct Vent model also features a Beckett AFII burner with Pre and Post Purge cycles. Similar to what occurs in a chimney through natural draft, this burner control establishes a draft flow in the piping so that all byproducts of combustion are safely vented out of the home. The result is healthy living environment for you and your family.

State-Of-The-Art Design

The LE Series boilers are unlike any other boiler available today. Burnham combines a state-of-the-art steel pressure vessel with durable cast iron for a truly unique high performance boiler.

Cast Iron Swing Door

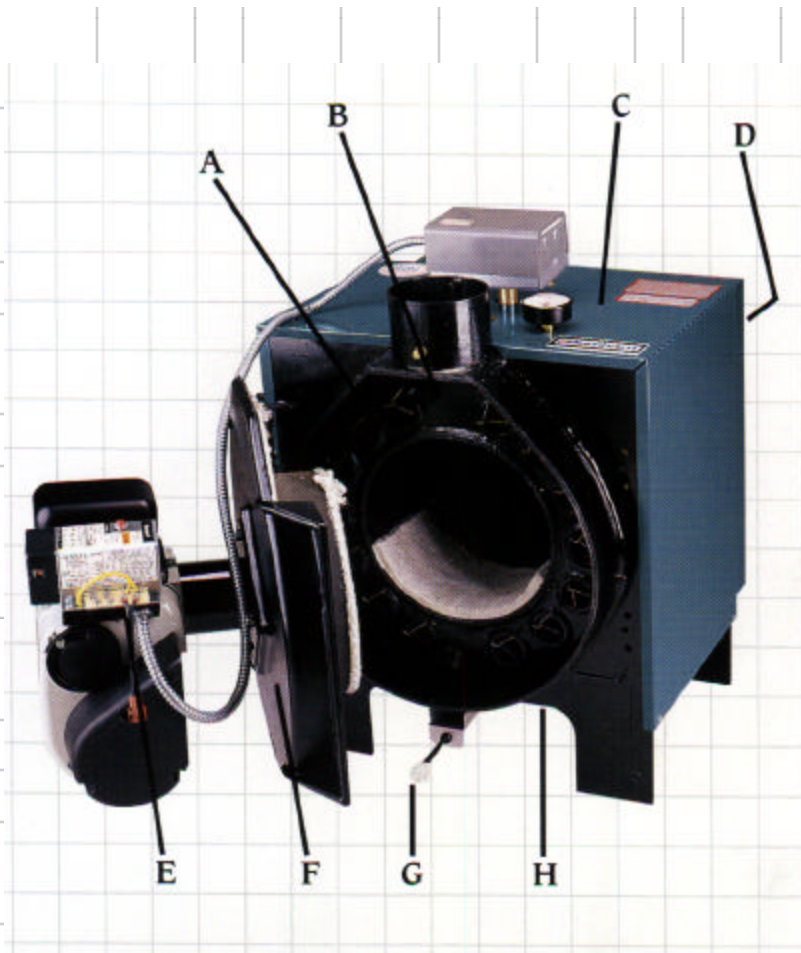
The cast iron swing door in the front allows your contractor to access the entire combustion chamber easily for maintenance saving you time and money. An annual servicing is recommended for optimal boiler performance. Also, the door is reversible so that it can be latched from either side to fit any installation.

Heating Capacities

Although the LE Series boilers look small, don't be fooled by their size. Their high efficiency heat exchanger provides enough heat for just about any home. Both models are available in three heating capacities which make it easy for your contractor to install the right size boiler for your house.

Fired From A Cold Start

Since the LE Series boilers operate only on demand (cold start), there is no need to maintain wasteful high temperatures year round when there is no call for heat. This conserves fuel and saves you money.



- A. Spiral turbulators extract maximum heat**
- B. Low energy, low mass heat exchanger allows quick, efficient start-ups**
- C. 3" jacket insulation to minimize standby losses**
- D. Cast iron reversing chamber**
- E. Flame retention burner**
- F. Reversible cast iron swing door**
- G. Burner safety interlock**
- H. Center return (hidden) permits piping from left, right or rear**

Comfort You Can Count On

Both LE Series boilers are backed by the best warranty in the industry, the Lifetime True-Blue Limited Warranty. And that's not all. Burnham's Winter Warmth Assurance plan offers five or ten year blanket coverage when purchased through a member of Burnham's



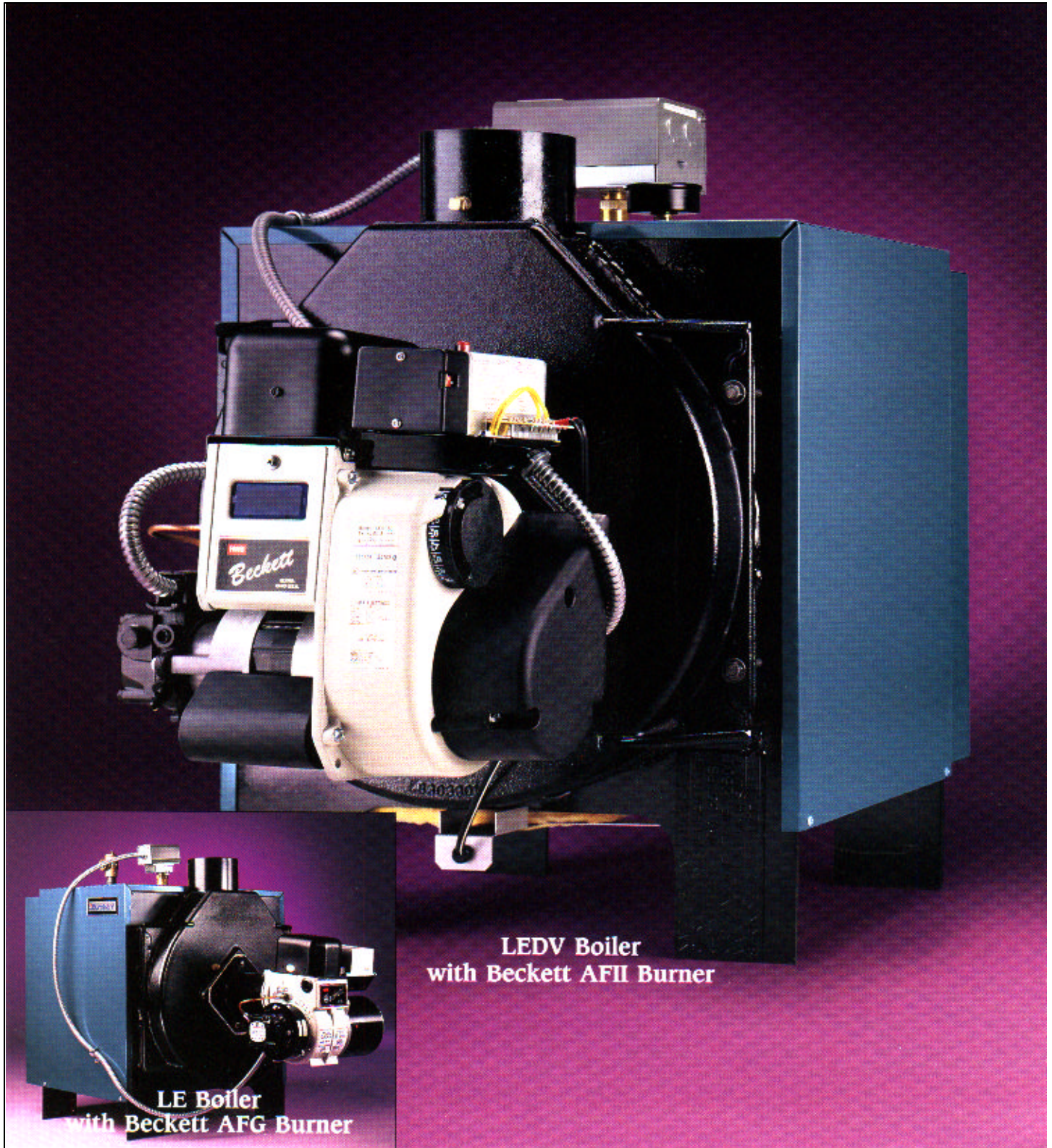
Home Heating Team. The program pays 100% for parts and labor on qualified repairs for five or ten years from the date of installation.



Quality Since 1873

Burnham has earned a reputation for quality and dependability dating back to 1873 when the company manufactured its first boiler to heat the greenhouses they produced. Today, Burnham is still dedicated to ensuring that your Burnham boiler provides reliable home comfort. With over 125 years of boiler manufacturing experience, Burnham is the leader in providing quality high performance heating equipment.

If you're moving into a new home, converting from expensive electric heating, or replacing an old inefficient boiler with or without a chimney, consider the Burnham LE Series boilers. Contact your local Burnham Home Heating Team member for more information on the benefits of the LE Series boilers.



**LEDV Boiler
with Beckett AFII Burner**

**LE Boiler
with Beckett AFG Burner**

SPECIFICATIONS



LE SERIES RATINGS



MODEL NUMBER	I=B=R FIRING RATE GPH (1)	DOE HEATING CAPACITY MBH (2)	I=B=R NET RATING MBH (3)	AFUE% (2)	APPROX. SHIPPING WEIGHT LBS.
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LEDV - FOR DIRECT VENT

LEDV-1	0.60 (5)	74	64	86.7	325
LEDV-2	1.00	117	102	83.0	
LEDV-3	1.25	143	124	81.5	

LE - FOR NATURAL VENT

LE-1 (4)	0.60 (5)	74	64	86.7	325
	1.00	117	102	83.0	
LE-2	1.25	143	124	81.5	

1. Based on oil having a heating value of 140,000 BTU/Gal.
2. Based on 13.5% CO₂, maximum No. 1 smoke, and 0.00 in. w.c. in breeching.
3. Based on a piping and pick-up allowance of 1.15.
4. LE-1 furnished with components required for both firing rates.
5. As an ENERGY STAR partner, Burnham has determined that the LEDV-1 and LE-1 @ 0.6 GPH firing rate meet the ENERGY STAR guidelines for energy efficiency.

Dimensions and Standard Equipment

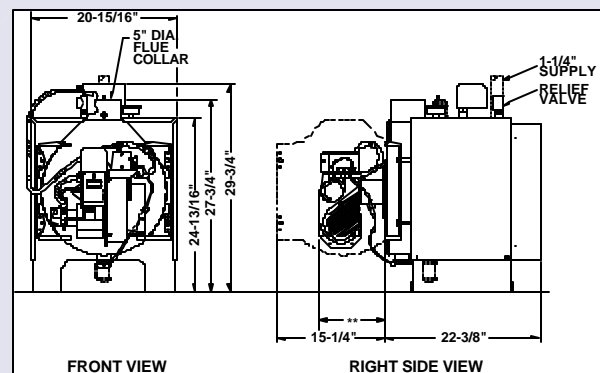
Standard Equipment

LE Series:

Pressure Vessel
Reversible Cast Iron Swing Door
Cast Iron Reversing Chamber
Deluxe Insulated Jacket
Supply Dip Tube
Pressure Relief Valve
Pressure/Temperature Gauge
Beckett AFG Burner
Taco 007 1-1/4" Circulator with Gaskets, Flanges and Fasteners
R8184G Cad Cell Relay
L8148A Combination High Limit

LEDV Series -

Includes all equipment furnished with LE plus:
Beckett AFII Burner in lieu of AFG
R8184P Cad Cell Relay with Pre and Post Purge
Vent Terminal
Boiler Vent Connector
Oil Nozzle Line Heater
Intake Vacuum Breaker
Intake Terminal
Vent Pipe Sealant



** 9-11/16" on AFII; 9-5/8" on AFG



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Phone: 717-397-4701
Internet: <http://www.burnham.com>