

No chimney?  
No power vent?  
No Problem?

Study: Save up to **40%** off fuel bills  
with heat and hot water boiler upgrades!\*

\*See footnote bottom of page 2.



UP TO  
**91.1** AFUE

**Multi-Fuel**



**100%** Bioheat<sup>®</sup>  
fuel ready!

**Resolute<sup>™</sup> RT**  
HIGH EFFICIENCY BOILER by ENERGY KINETICS

- Runs on oil, gas OR biofuel (with blends of up to **100% biodiesel!**)
- Combined heat and hot water in one boiler!
- Whisper quiet with silent burner cover – no need to turn up the TV!
- Replaces 2, 3 and 4 section oil boilers!
- Lifetime Limited Warranty<sup>†</sup>
- Proven 30 year boiler!

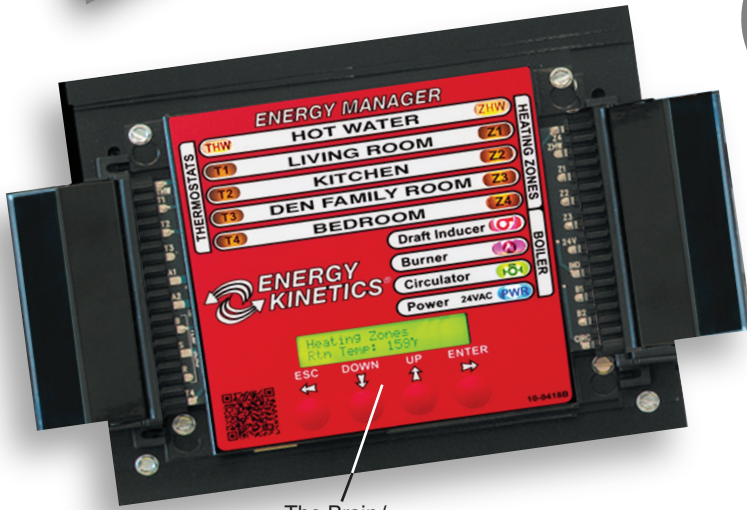
<sup>†</sup>See actual warranty for details.

# 4 ways

# Resolute RT outlasts

# 1

## The Brain. The world's smartest boiler!



The Brain/  
Energy Manager

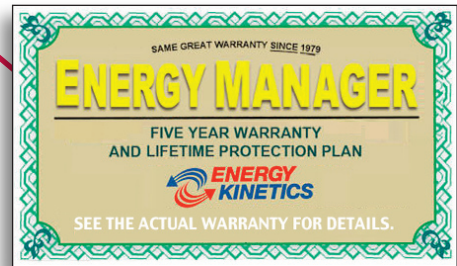
The Brain/Energy Manager is covered by a five year warranty and lifetime protection plan!

Energy Kinetics' boiler technology outperforms and outlasts the competition. It's the boiler with The Brain, our Energy Manager.

The Energy Manager maximizes efficiency, cuts fuel bills and is perfectly integrated with our low mass boiler. It heats quickly, gets the job done, then searches for left over energy in the system and sends it all into your home or hot water.

# 3

## The System! Exceptional boilers ... by Design!



The spiral energy converter is a proven 30 year design for the highest efficiency. There are no sections or pins to foul, clean, or leak.

Removable stainless steel alloy combustion chamber for clean burning operation.

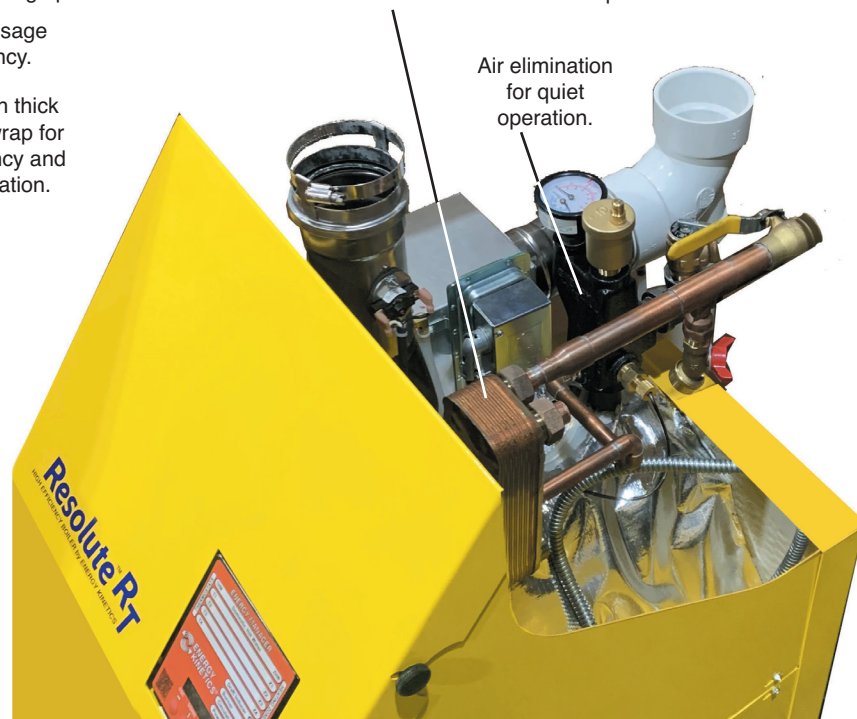
13 foot flue passage boosts efficiency.

Hefty 2 inch thick insulation wrap for high efficiency and quiet operation.

Swing down door for easy access.

NEW! Our unique SEALIX<sup>®</sup> coated plate heat exchanger vastly outperforms old fashioned coil-in-tank systems. Plus it's shielded from mineral build up and corrosion!

Air elimination for quiet operation.



\* Data and conclusions are drawn from the report "Performance of Integrated Hydronic Heating Systems" (2007), Energy Resources Division, Department of Energy Sciences and Technology, BNL, Under Contract No. DE-ACO2-98CH10886 with the United States Department of Energy by Dr. T. Butcher; and "Chimney Related Energy Losses in Residential Oil-Fired Heating Systems" (1990).

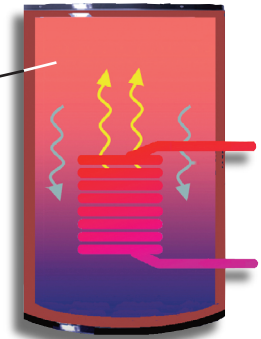
# and outperforms other boilers.



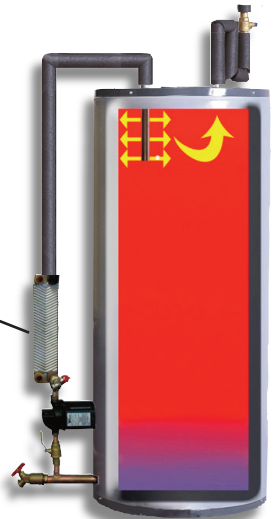
## 2

### The Flow! Delivering more hot water using less energy.

**Old fashioned tank with coil**  
This design is inefficient because the tank heats slowly *all over*, even when you need only a small amount of heat or hot water. In addition, the temperature of the system's boiler is allowed to rise *above* the tank's temperature, meaning there is an automatic loss of heat energy every time the boiler heat has nowhere to go. That wastes tons of energy.



**By comparison, our superior Plate Heat Exchanger delivers outstanding performance**  
Our plate heat exchanger draws cold water from the *bottom* of the tank and feeds hot water from the *top down*. This delivers efficiency through the entire hot water cycle so *our tanks finish hot and fully charged! The boiler finishes cool. No wasted heat!*



## 4

### Attractive venting options!

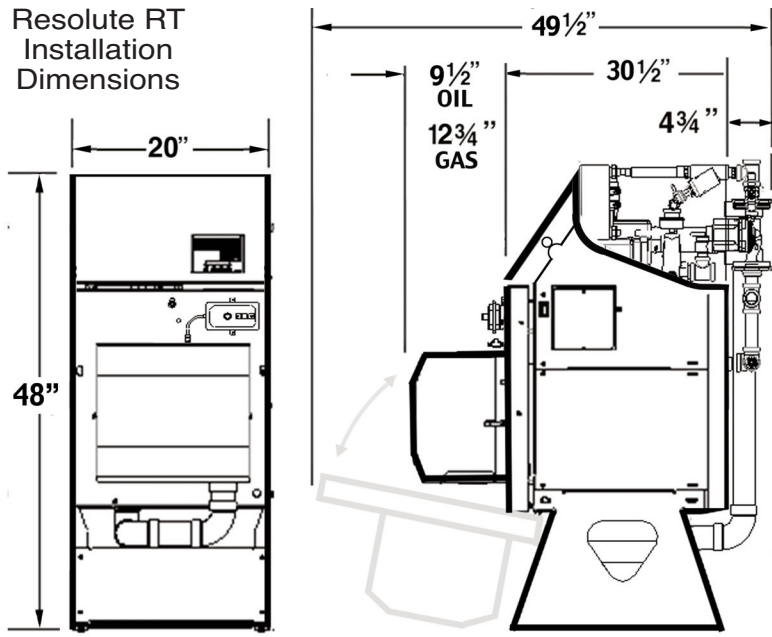
**At left: Energy Kinetics systems can be installed through the sidewall *without* a chimney or through a chimney with a cost effective polypropylene liner.**  
Runs clean and relatively cool for safe venting directly through the wall. Save thousands on chimney upgrades!

**What does Bioheat fuel mean to me?** Bioheat fuel, or biodiesel, is a renewable, biodegradable high grade fuel manufactured domestically from waste stream sources including vegetable oils, animal fats or used cooking oil. It's a clean, easy choice to reduce emissions *without sacrificing your comfort or fuel efficiency.* **Resolute RT can use fuel oil blends up to 100% biodiesel (B100). THIS CAN CUT CARBON EMISSIONS UP TO**

**85%**

## Resolute RT Installation Dimensions

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## Resolute RT

Weight	395 lbs.
Water Content	3 gallons
Air Inlet Pipe Size	3" PVC
Boiler Flue Outlet†	3" polypropylene
Poly Chimney Liner	3"
Hydronic Supply	1"
Hydronic Return	1"
Hydronic Circulator	Taco 007e



Exceptional residential lifetime limited warranty!

See actual warranty for details.

**Recommended service clearance:** 20" from front door face, 5" left side and 12" right side. Clearance to combustibles: 4" from the rear cover; 10" above top cover; 0" from polypropylene pipe; 0" for all the other dimensions. **Included (factory piped / assembled):** Boiler base, blocked intake, blocked vent and stack high limit, dynamic air elimination manifold, ON/OFF switch and junction box, 3/4" drain valve, plate heat exchanger on hot water models, circulator flanges and door safety switch. **Included (field install):** relief valve and hydronic circulator (wiring included). **Draft regulator not required or recommended due to advanced combustion chamber.**

### Oilheat and Bioheat® fuel home heating system†

Model	Input Rating (GPH)	Heating Capacity (MBH)	AFUE	Domestic Hot Water *
EK1RT	0.68	86	91.1	155
EK1RT-104	0.74	93	90.8	175
EK1RT-119	0.85	106	90.4	195
EK1RT-140	1.00	123	89.9	205

† UL listed for use with oilheat blends up to 100% biodiesel (ASTM D6751) with a B100 listed burner.

### Natural gas and propane home heating system

Model	Input Rating (MBH)	Heating Capacity (MBH)	AFUE	Domestic Hot Water *
EK1RT	80	73	90.3	135
EK1RT-100	100	91	89.7	175
EK1RT-150	150	135	88.3	205

\* Domestic hot water rating based on first hour draw with 67°F rise and a 3 gpm draw on a 40 gallon tank; first hour draws over 195 gallons are calculated based on continuous draw with 67°F rise at maximum flow rate.

Also included in the Energy Kinetics Family of Products:



### Accel CS™

For higher efficiency in gas-only applications, look at Accel CS.

### System 2000®

Or, if you have a properly lined conventional chimney, consider System 2000.

Scan code below to see all boilers.



**Energy Kinetics**  
51 Molasses Hill Road  
Lebanon, NJ 08833  
**(908) 735-2066**

Scan code at right to visit EnergyKinetics.com



As an ENERGY STAR® Partner, Energy Kinetics has determined model EK1RT meets ENERGY STAR guidelines for energy efficiency for oil heat input 0.68 GPH and gas heat input 80 MBH. ©The color yellow for heating boilers is a registered trademark of Energy Kinetics.