System 2000 is Energy Kinetics’ hybrid heating system for every home!

- Exceptionally clean burning
- Virtually unlimited hot showers!
- ASME certified construction
- Stackable model available
- 5 zone control
- Easily piped to multiple zones
- Plus! Outside combustion air connection
- Cuts up to 40% off home heating bills!
- Light weight construction

There are models and sizes available for every installation and environment. Fits under stairs and inside small closets! Shown with optional silent burner cover and base.

Our patented spiral boiler precisely controls the flow of water and flue gases for the best heat transfer. Plus! No pins, baffles or micro passages to foul and reduce efficiency over time.

Swing down door for easy service and cleaning!
System 2000 is an integrated system – makes both heat and hot water!

Homeowners enjoy economical heat, plus virtually endless hot showers with lower energy costs. Plus, System 2000 delivers significant savings over electric or traditional hot water making methods, with whisper quiet operation!

**POWER VENTING**

Homeowners who plan to save money by converting from expensive electric heat to oilheat often find themselves up against a brick wall: the high cost of chimney construction. But with System 2000’s unique combustion chamber, combined with a 10 foot long flue passage, gases leave System 2000 clean, and relatively cool. So they can be vented directly through-the-wall. No chimney is needed! An excellent benefit for homeowners converting from electric heat, heat pumps or for new home construction. Power venting is the safest method of side wall venting and is a low cost alternative to chimney construction.

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**FEATURES**

**BENEFITS**

- 10 feet forced counter flow passages: Maximum heat recovery
- 300° net stack temperature: Up to 87.9% efficiency
- Water content: EK1-2½ gal., EK2-4 gal.: Rapid heat up, cool down
- Wet base design: Minimizes heat losses
- High temperature combustion chamber: Incinerates fuel – clean, safe heat
- Bioheat compatible: Works with renewable fuel standard
- Jacket insulation: EK1-90 lbs., EK2-110 lbs.: Minimizes heat losses
- Buried combustion: Quiet operation
- 3/16” pressure vessel steel throughout: 50% thicker than boiler tubes
- ASME code construction and Nat’l Board of Pressure Vessels registered: Carefully inspected. pressure tested, and certified
- All welded and threaded connections: No gaskets to leak or service
- Built-in dynamic air elimination: Eliminates air from system, no “gurgles”
- Front cover swings down: Easy access to all components
- Large open passages: Easy to clean and inspect
- Standard burner and accessories: Serviceable with normal stock parts
- Small size: Compact and stackable installations
- Chimney venting: Ideal for retrofit installations
- Power vent chimneyless option available: Save thousands on chimney construction

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**EK1 FRONTIER SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Oilheat home heating system</th>
<th>Input (GPH)</th>
<th>Gross output (BTU/HR)</th>
<th>AFUE</th>
<th>Domestic Hot Water*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>.68</td>
<td>83,000</td>
<td>87.9%</td>
<td>170 Gal./Hr.</td>
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<tr>
<td></td>
<td>.74</td>
<td>90,000</td>
<td>87.7%</td>
<td>180 Gal./Hr.</td>
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<tr>
<td></td>
<td>.85</td>
<td>104,000</td>
<td>87.5%</td>
<td>202 Gal./Hr.</td>
</tr>
<tr>
<td></td>
<td>1.00</td>
<td>121,000</td>
<td>86.2%</td>
<td>228 Gal./Hr.</td>
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</tbody>
</table>

*Domestic hot water rating based on first hour draw with 77°F rise and 40 gallon tank. Energy Converter Weight 270 lbs.

**EK2 FRONTIER SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Oilheat home heating system</th>
<th>Input (GPH)</th>
<th>Gross output (BTU/HR)</th>
<th>AFUE</th>
<th>Domestic Hot Water*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.20</td>
<td>147,000</td>
<td>87.6%</td>
<td>293 Gal./Hr.</td>
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<tr>
<td></td>
<td>1.40</td>
<td>175,500</td>
<td>87.0%</td>
<td>334 Gal./Hr.</td>
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<tr>
<td></td>
<td>1.60</td>
<td>190,500</td>
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<td>368 Gal./Hr.</td>
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<td>1.75</td>
<td>206,000</td>
<td>84.0%</td>
<td>395 Gal./Hr.</td>
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</tbody>
</table>

*Domestic hot water rating based on first hour draw with 77°F rise and 40 gallon tank. Energy Converter Weight 350 lbs.

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As an ENERGY STAR® Partner, Energy Kinetics has determined that model EK1 meets the ENERGY STAR® guidelines for energy efficiency for oil heat input from 0.68 to 0.85 gph. © The color yellow for heating boilers is a registered trademark of Energy Kinetics.