

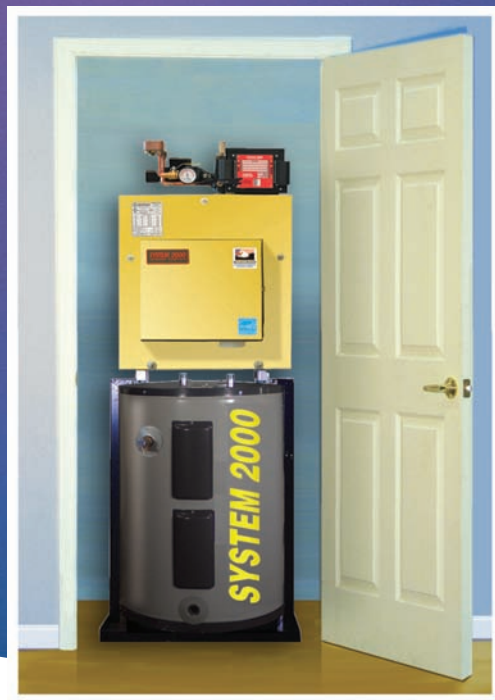
# System 2000<sup>®</sup> is Energy Kinetics' hybrid heating system for every home!

**EK1 and EK2**  
(FRONTIER<sup>®</sup>)  
PRODUCT DATA SHEET

**Oilheat!**



EK2



There are models and sizes available for every installation and environment. Fits under stairs and inside small closets!



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!

- 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



Call us today for more information **800-661-0902**  
[www.system2000.com](http://www.system2000.com)



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Department of Buildings MEA 140-03-E

**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!



No chimney is needed! Ground level venting stays relatively cool!

**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.

# EK1 EK2 (FRONTIER)

Oilheat home heating systems

System 2000 Oilheat performance:  
Lifetime limited warranty/option to transfer.  
Energy recovery standard on all systems.

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=90lbs., 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

## EK1 FRONTIER SPECIFICATIONS

Oilheat home heating system			Domestic Hot Water*
Input	Gross output	AFUE	
.68 GPH	83,000 BTU/HR	87.9%	170 Gal./Hr.
.74 GPH	90,000 BTU/HR	87.7%	180 Gal./Hr.
.85 GPH	104,000 BTU/HR	87.5%	202 Gal./Hr.
1.00 GPH	121,000 BTU/HR	86.2%	228 Gal./Hr.

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

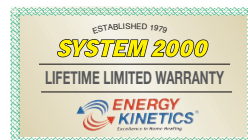
## EK2 FRONTIER SPECIFICATIONS

Oilheat home heating system			Domestic Hot Water*
Input	Gross output	AFUE	
1.20 GPH	147,000 BTU/HR	87.6%	293 Gal./Hr.
1.40 GPH	175,500 BTU/HR	87.0%	334 Gal./Hr.
1.60 GPH	190,500 BTU/HR	85.5%	368 Gal./Hr.
1.75 GPH	206,000 BTU/HR	84.0%	395 Gal./Hr.

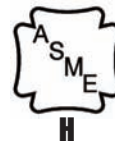
\*Domestic hot water rating based on first hour draw with 77°F rise and 40 gallon tank.  
Energy Converter Weight 350 lbs.



Easy service compact oilheat EK1 Frontier, with 40 gallon low boy tank and stand



Lifetime limited warranty on Digital Energy Manager and ASME pressure vessels



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.



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