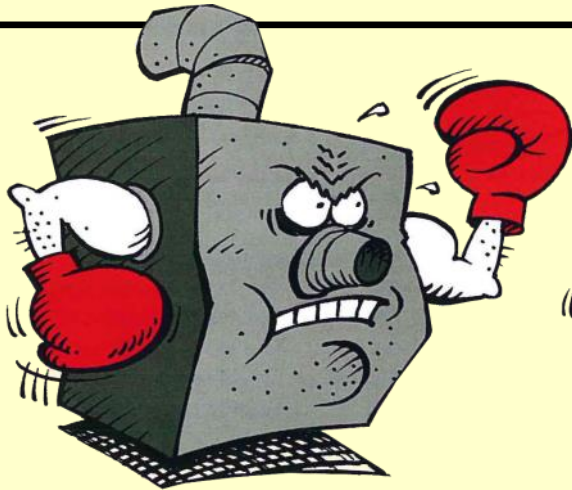


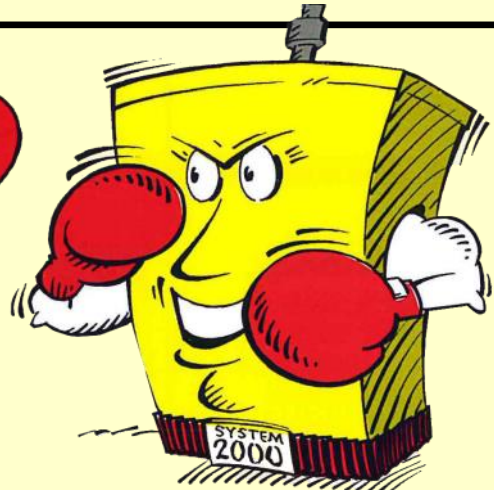
ENERGY KINETICS PRESENTS

THE IRON AGE VS 21ST CENTURY STEEL



MIKE
CAST IRON

- ◆ Weight 450 LBS.
- ◆ Water content: 12 gallons
- ◆ Professional debut: 1890



2000
SYSTEM

- ◆ Weight 160 LBS.
- ◆ Water content: 2½ gallons
- ◆ Professional debut: 1979

TONIGHT 8 PM

**BASEMENT
ARENA**

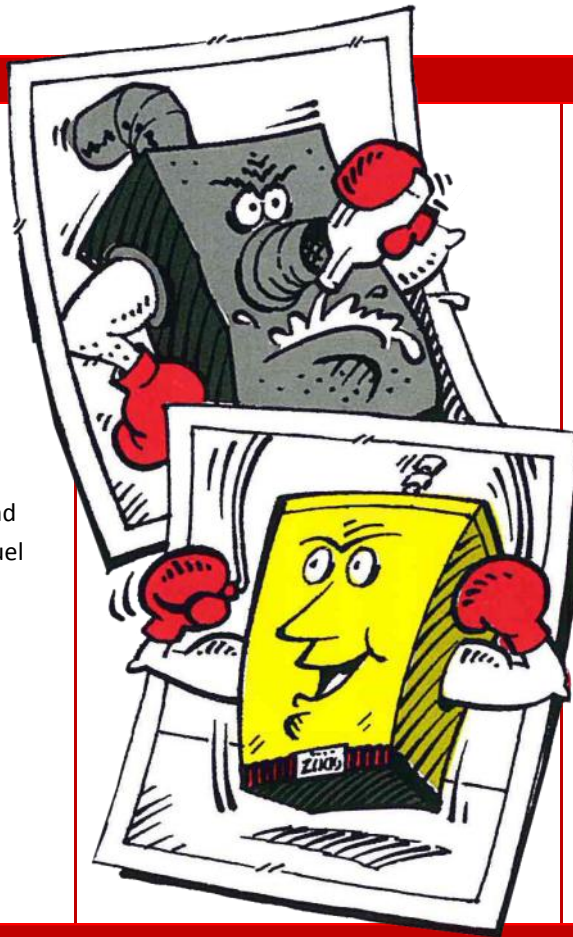
It's cast iron vs. steel in one hot fight to be your heating system!

The Contenders:

Cast Iron Mike:

The Veteran Heavyweight

Weighing in at approximately 450 pounds and containing around 6 to 16 gallons of water, Cast Iron Mike is infamous for being a slow starter. His bulky design uses lots of metal and space not functional for absorbing fuel energy.



Steel System 2000:

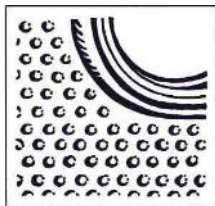
The Lightweight, Durable Competitor with Unique Counterflow Coil Design

The first steel boiler designed to successfully compete with cast iron. System 2000 is typically 50% thicker than other steel boilers, but weights in at just 160 pounds and contains a mere 2½ gallons of water. Since 1979, the specially formulated steel System 2000 has earned its reputations for durability and fast starts, outlasting cast iron and steel boilers.



Efficiency

Both boilers have great AFUE ratings, but Cast Iron Mike's old fashioned training methods have made him a relic. With the numerous tight passages and heat transfer pins in Cast Iron Mike's sectional design, he's nearly impossible to fully clean — significantly reducing his operational efficiency even after the first year. Plus, Cast Iron Mike sends large amounts of wasted energy up the chimney and through his lightly insulated jacket. He also has year round stand-by losses, which his AFUE rating doesn't take into consideration.



System 2000 has been designed using state-of-the-art engineering. His wide circular flue passage design permits full access for inspections and easy



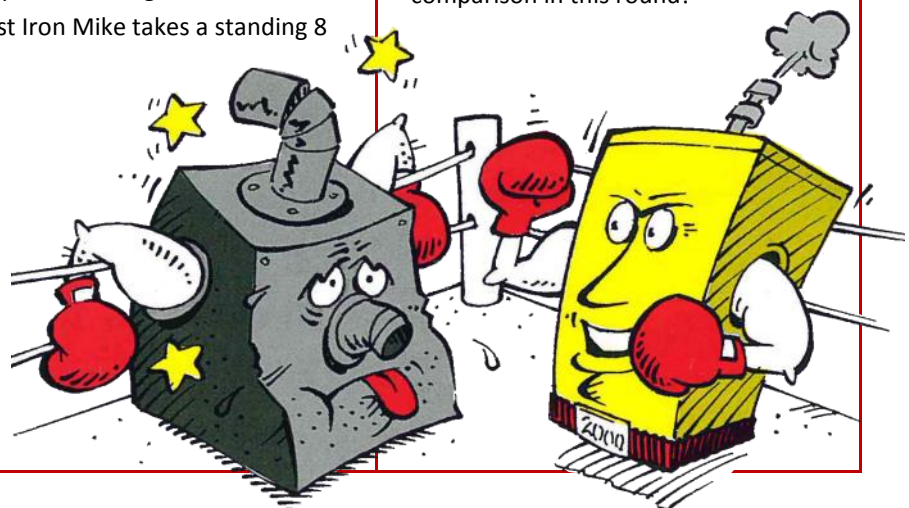
So System 2000 keeps its original efficiency for years. Plus his heavily insulated walls, cold start design and unique heat purge cycle, means there's no waste of energy.

Performance

Cast Iron Mike's absorbing some real body blows. System 2000 is up and working in 1½ minutes while Cast Iron Mike takes a standing 8 count.



He takes more than 8 minutes to heat up his excess weight and water (this wastes a lot of energy). And to keep fulfilling heat and hot water requirements he either stays hot or keeps heating up his mass of iron and water. System 2000's low mass and low water content meets heating requirements quickly. Its post purge cycle recovers start-up energy-producing real performance savings. There's no comparison in this round!





Who will Endure?

Will Cast Iron Mike outlast Steel System 2000?

Not likely. Here's why:

- Years ago cast iron boilers were made thick and heavy. Now some manufacturers, living on past reputation, are trying to cut corners. Inspection shows they're actually making cast iron boilers as thin as 5/32". Cast iron's crystalline structure fractures under temperature shock of freezing. And 60% of all cast iron boiler failures are due to cracked sections.
- Cast iron is vulnerable to deep pitting corrosion from flue products.



- Cast iron sections are bolted together, many time with rubber-like gasket seals—a

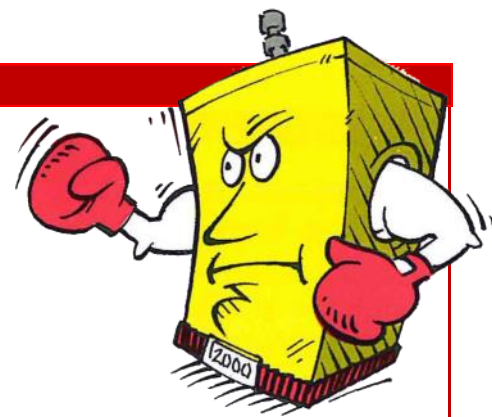
design weakness offering many opportunities to leak.

- ASME code restricts cast iron steam boilers to pressure no greater than 15 psi.

Can it be that Mike's not as sturdy as some believe? Will Cast Iron Mike crack under pressure?

System 2000 looks faster than ever. That's because:

- His pressure vessel is steel plate, rolled and re-rolled for strength.
- His steel, densely compacted is more corrosion resistant than cast iron.



- System 2000's steel is uniformly thicker than Cast Iron Mike's 5/32" weakness.
- Steel is typically 50% stronger than cast iron. It is ductile, flexible and weldable. It heats up rapidly and contracts easily and System 2000's coil design absorbs temperature shock.
- System 2000's one piece construction has been tested at 700 PSIG—almost 25 times working pressure— that's rugged!

Things look bad for Cast Iron Mike,. Could he be saved by the bell? Not if it's the Liberty Bell. That great casting cracked the first time it was struck. System 2000 is far ahead in points.

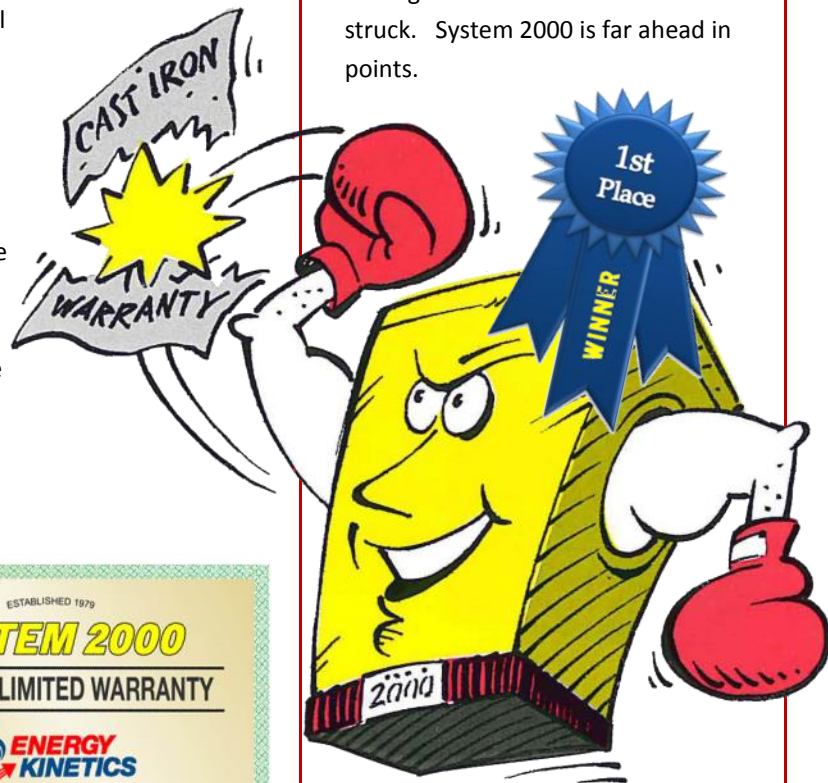


Warranty Woes

Cast Iron Mike is covered by a limited extended warranty. How can you go wrong if you bet on him? Well, the fix is in:

1. Not all parts are covered by warranty, including the weakest part of all: the sealing gaskets separating the cast iron sections and the tankless coil
2. Of course the whole boiler has to be taken apart just to replace a section gasket and that labor isn't covered under warranty either.
3. With today's field labor costs, repairing a cracked cast iron boiler section can cost more than replacing the boiler altogether

System 2000's one piece steel body has no gaskets and the entire boiler is backed by a limited lifetime warranty. With System 2000 there are no warranty woes.



System 2000: It's a knockout!

When it comes to performance, endurance and value, Steel System 2000 wins hands down!

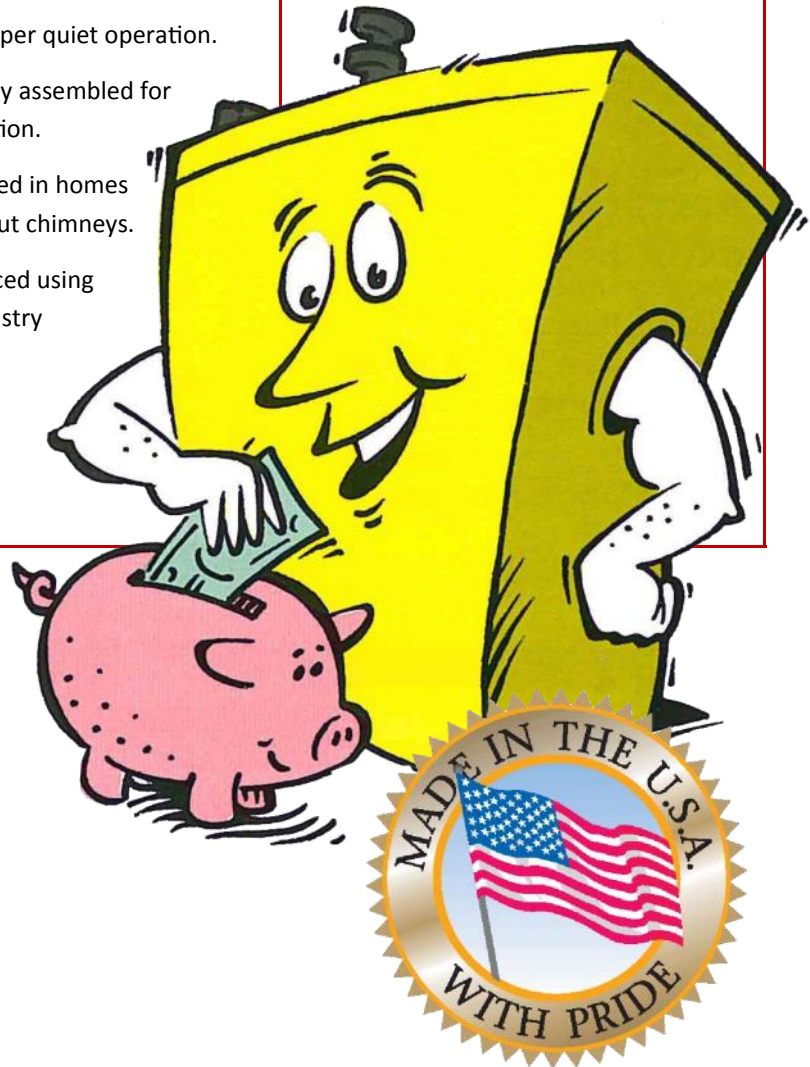
- Energy Kinetics boilers have the highest efficiency of all heat and hot water systems, out performing every oil and gas cast iron and modulating condensing boiler.*
- Its low mass and water content heat up quickly and delivers heat to living areas faster and more efficiently.
- Its unibody construction has no gaskets (or push-nipples either).
- It's designed to be totally resistant to temperature shock.
- Its lifetime limited warranty covers the entire boiler vessel.

In addition, with its 21st century design, System 2000:

- Delivers virtually unlimited hot water for domestic needs, showers, hot tubs and pools.
- Features 90 lbs. of jacket and insulation on this compact boiler to substantially reduce losses.
- Provides whisper quiet operation.
- Is shipped fully assembled for quick installation.
- Can be installed in homes with or without chimneys.
- Is easily serviced using standard industry components.

- Larger versions available for commercial installation.
- Is sold direct to the installer—no middlemen—prompt service, excellent technical support.
- It's American made.

*US Department of Energy Lab Study. "Performance of integrated Hydronic Heating Systems."



To find out more about the superiority of the unique steel System 2000, contact us:



Energy Kinetics is ENERGY STAR® Partner.

®The color yellow for heating boilers is a registered trademark of Energy Kinetics.

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