



ALL RENAISSANCE FIREPLACES ARE COVERED  
BY A COMPREHENSIVE 30 YEAR WARRANTY



RENAISSANCE FIREPLACES™, A DIVISION OF  
INDUSTRIAL CHIMNEY COMPANY

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PLEASE VISIT OUR WEBSITE FOR MORE INFORMATION  
[WWW.RENAISSANCEFIREPLACES.COM](http://WWW.RENAISSANCEFIREPLACES.COM)

The Renaissance Rumford™ is so clean burning that with normal air dried firewood there is typically no visible smoke within two minutes of lighting the fire, even with the door open. Based on independent certification testing:

- Renaissance emissions with the door open = 3.15 grams/kilogram  
Approximately 70% less than a typical fireplace with the door open.
- Renaissance emissions with the door closed = 0.60 grams/kilogram  
Approximately 93% less than a typical fireplace with the door closed.

With its hideaway door, the Renaissance is the ultimate clean face wood burning fireplace. The mechanical parts disappear, leaving a gorgeous herringbone firebox and providing a clean canvas for the finishing designer.



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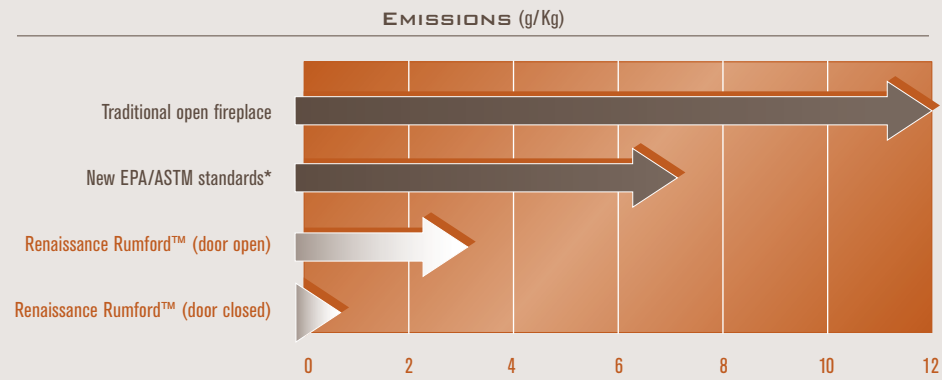
At Renaissance Fireplaces, the romance of wood burning is not limited to the simple pleasure of watching the flames. It's a combination of all senses - the sound of a crackling fire that you can only get from an open hearth, radiant heat that warms you to the core and a natural light source that relaxes your mind as well as your body. Choosing to be environmentally responsible doesn't mean you have to sacrifice ambiance. With the Renaissance Rumford™, you can enjoy a romantic open fire with very low emissions.

Finally, we've brought open fireplaces into the 21st century. Enjoy the enchantment of an open fire and the peace of mind that comes with helping to achieve a more sustainable environment.

## THE SECRET IS OUT

Why does the Renaissance burn so much more cleanly than a regular fireplace?

- The key to lowering emissions is to achieve and maintain very high temperatures which allow volatile gasses and particulates to burn. This is exactly how EPA certified wood burning stoves burn cleanly, but making it happen in an open fireplace is much more difficult.
- There's no simple solution or mystery technology! We've incorporated a wide range of features into the Renaissance that, when combined, make it the cleanest burning open fireplace ever made.
- The Ultimate Bonus is that cleaner fires are more beautiful fires. The Renaissance Rumford's™ fire is so incredibly tall, bright and lively that you need to see it to appreciate it. The Rumford firebox provides a vertical fire viewing experience superior to much larger conventional fireplaces. You can see a live burn on our website.
- The Renaissance is the first open fireplace of its kind; applying modern physics to an ancient element to produce breathtaking fires and a greener planet.



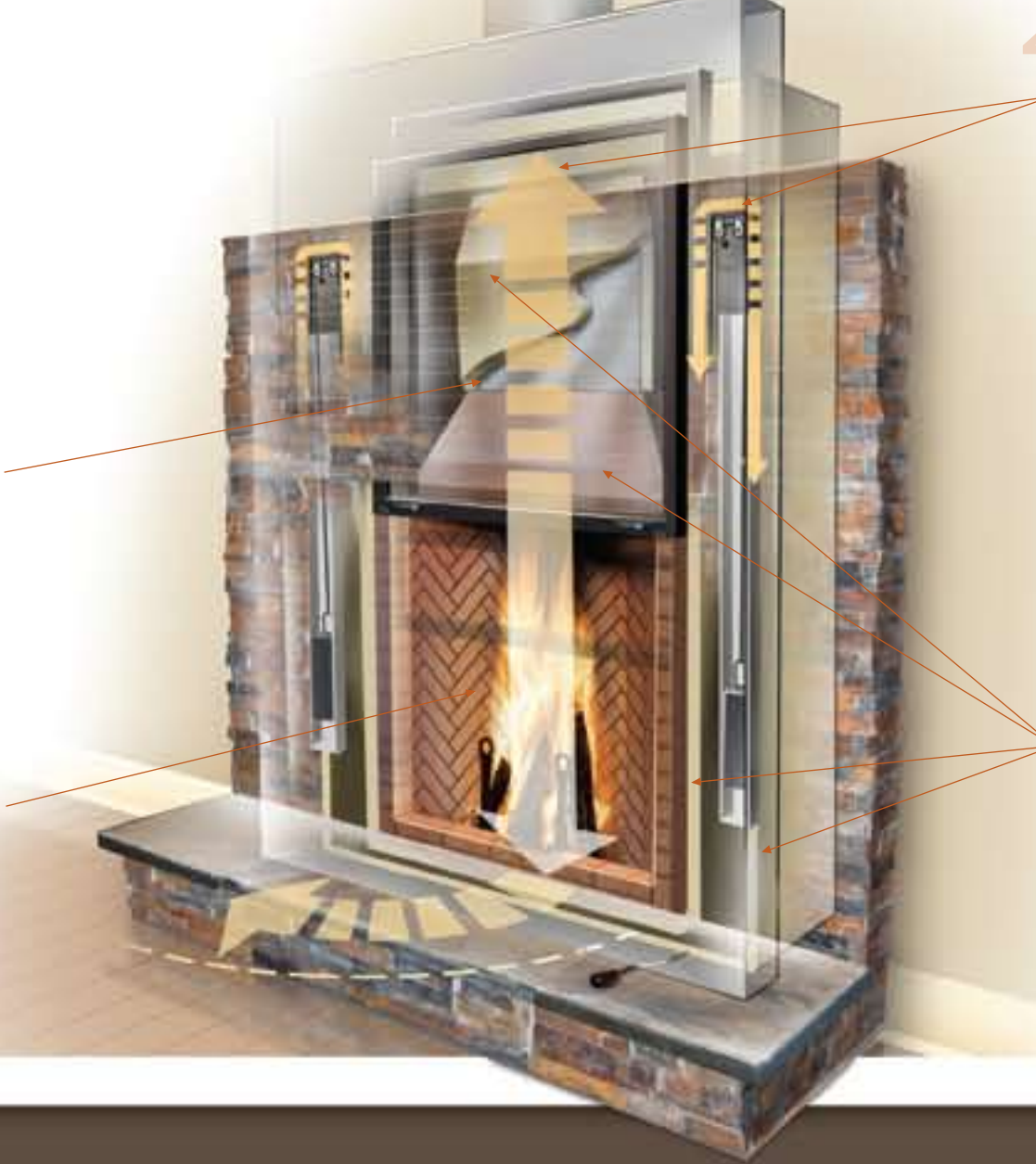
\*As this brochure goes to press, the passing grade will most likely be 7.3 grams/kilogram but this may change.

## HOW IT WORKS

**1** Count Rumford knew his stuff: we found that classic Rumford firebox proportions produced a vertical fire which concentrated hot combustion gasses while at the same time radiated heat back through the firebox for a hotter fire. Find the fascinating history of Count Rumford on our website.

**2** We fabricated the Rumford throat from smooth low mass insulating refractory: this promotes smoother air flow into the throat of the firebox and prevents cool room air from lowering combustion temperatures.

**3** Utilizing low mass insulating refractory throughout the unit resulted in hotter fires and lower emissions. Traditional firebrick is durable but it absorbs a lot of heat, making it difficult to achieve the high temperatures necessary for clean combustion.



**4** The Renaissance's guillotine door system was designed to be the smoothest operating and sturdiest guillotine fireplace door ever made. When the door is closed emissions plummet to a level equivalent to an EPA certified stove.

The door is perfectly counterweighted so it can be raised and lowered with one finger and will stop smoothly at any point. The door lifts straight up and completely disappears within the facade above the fireplace, but can also be opened horizontally on a hinge so it can be cleaned easily.

**5** Insulation, insulation, insulation: No magic here, the Renaissance Rumford™ burns clean because it burns hot. Lots of high temperature insulation is utilized, not only to keep the fire hot, but also to keep the outside of the unit cool and safe.

## BUILT TO LAST

Every part of the Renaissance has been engineered to meet the highest standards for durability. Here are a few of the many features that make it so resilient.

### CERAMIC GLASS HIDEAWAY DOOR

Making the mechanical components durable enough that they never need to be serviced requires expensive hardware, detailed engineering and precision laser fabrication. The entire guillotine mechanism can be removed and serviced at any time, even after the fireplace has been fully finished.

### THE FIREBOX AND THROAT

The entire firebox and throat are lined with Skamol which is durable at the highest temperatures achieved in the Renaissance. Extensive (actually abusive) testing in our laboratory has indicated that not only will it withstand high temperatures; it will retain its shape and appearance when used on a daily basis.

### HEAVY DUTY CONSTRUCTION

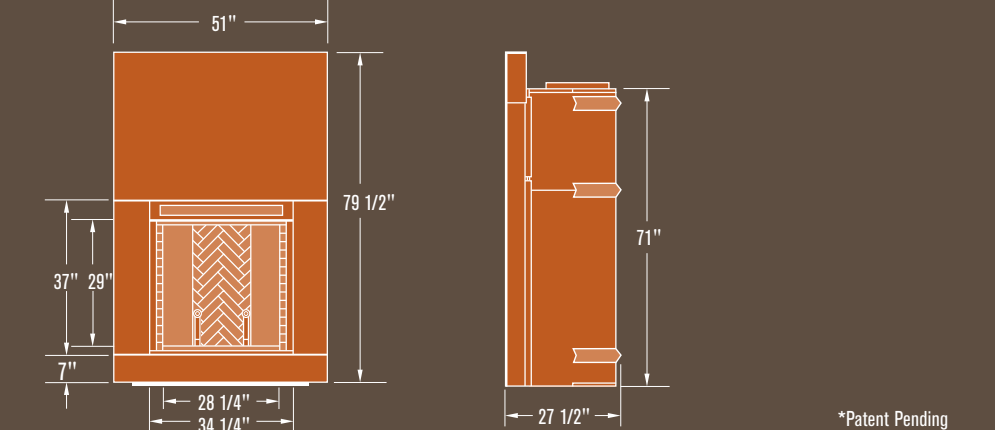
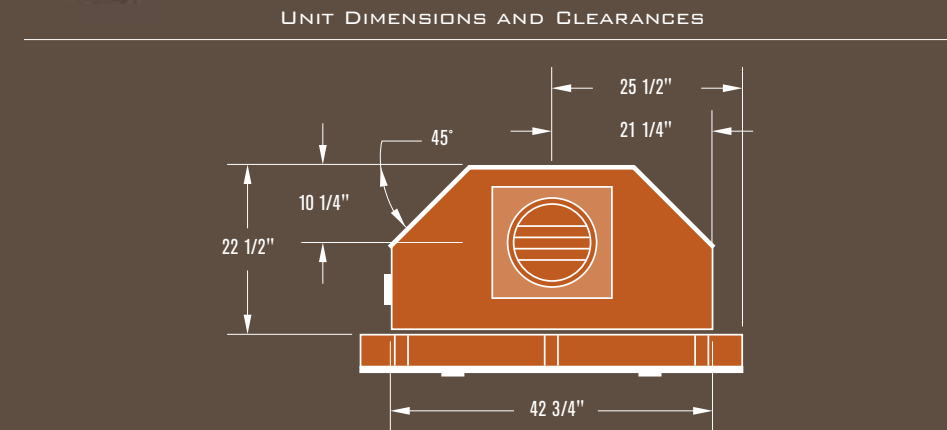
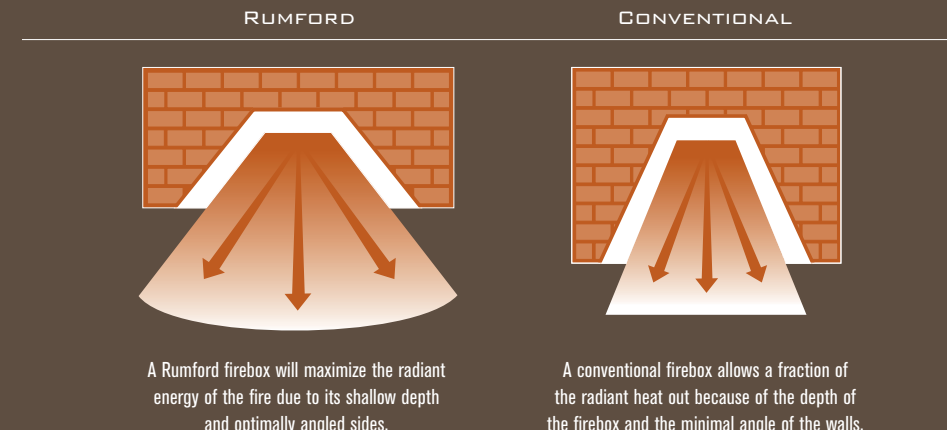
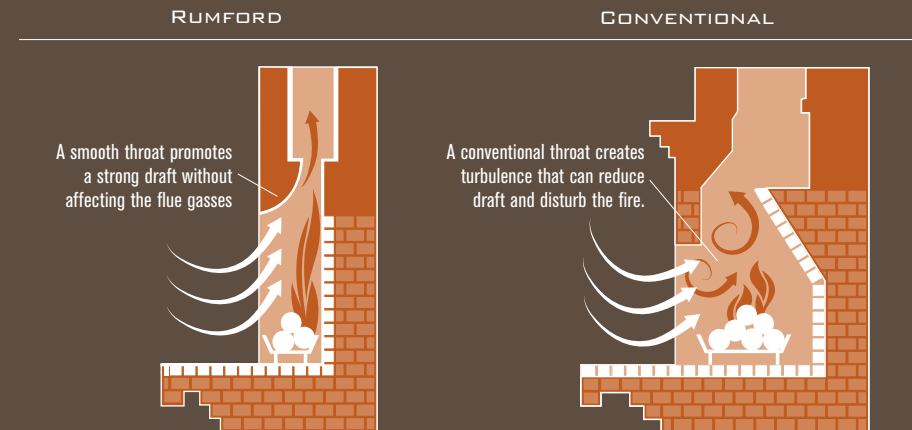
A typical pre-fabricated wood burning fireplace weighs less than 200lbs, often closer to 100. Much of the Renaissance's 600lbs comes from heavy steel construction, but it is still lightweight enough that it can sit on normal flooring and doesn't require a foundation. With 20 years of experience fabricating clean burning built-in stoves, we know how they are used, and abused, in the field. The Renaissance is engineered to be used on a daily basis and last as long as your home.

### THE CHIMNEY

The Renaissance is certified with Model RIS chimney which is listed to UL 103HT, the most stringent UL Standard for wood burning chimneys. Model RIS has a lifetime replacement warranty, even in the event of a chimney fire.

### BUILT-IN FIRE SCREEN

The built-in screen is easy to raise and lower and locks in place when raised. The mesh is fine enough that it won't take away from your view of the fire, but strong enough to stop a rolling log.



\*Patent Pending