

### THE MERIDIAN INSERT

If you already have a fireplace, but would like all the advantages of the Meridian stove in your home, the Meridian insert was designed with you in mind.

#### TURN YOUR FIREPLACE INTO AN ENERGY SAVER

The ceramic fireplace insert is equipped with most of the same features as the stove:

- The spherical ceramic combustion chamber is present in the insert and works by the same principles as it does in the stove, combining long slow burns with excellent combustion efficiency.
- Double-wall construction (Heat exchanger) in the Meridian insert works exactly the same way as it does in the stove. Air is drawn in through the lower vents, is heated as it flows around the combustion chamber and warm air is released through the upper vents. A blower is included to enhance the circulation of air through the insert. However, this blower was designed to be quiet and unobtrusive. No other blower on the market works so silently.
- The high-temperature ceramic self-cleaning glass door releases infra-red energy into the room to heat it quickly.
- The outside combustion air supply is drawn in from the chimney and is pre-heated to increase combustion efficiency and safety.

The Meridian insert is designed so the three-way heating system, heat by surface radiation, convection and infra-red radiation, turns your fireplace into a truly effective heating unit.

#### NO OTHER FIREPLACE INSERT OFFERS YOU THESE DECORATING OPTIONS

Unlike most black metal inserts, the Meridian insert is a decorator item. You can choose from a wide variety of tile colors and patterns, to enhance the beauty of your fireplace. No other insert on the market offers you so wide a choice.

And, if the opening of your fireplace is bigger than the insert, the experienced craftsmen of the Meridian Corporation will custom design and install a ceramic border of your choice, which will surround your insert. No other manufacturer will go to such lengths to make sure that their product is so efficient and so beautiful.

*Meridian - the beautiful alternative.*

#### Stove Specifications

Height	44"
Width	32"
Flue	7"
Hearth	
Width	48"
Weight	550 lbs.
Listed By WH	
to standard	
1482	
Clearance to	
combustible	2 1/4"

*Meridian Co.*

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256,500

#### Specifications for Insert

Height	22"
Width Front	28"
Back	24"
Depth into Fireplace	17"
Flue Size	6"
Log Length Capacity	16"
Door opening	11" x 18"
Colors	Unlimited
Recommend Fuel	Wood or coal
Weight	400 Lbs.



MODEL: MS 1-83 STOVE



*The Meridian* <sup>TN</sup>



**Solid Ceramic Wood/Coal Stove  
and fireplace insert**

The recent renaissance of wood and/or coal burning stoves has brought a wide variety of competing designs into the marketplace. And, each manufacturer promises greater efficiency through more complete fuel combustion.

Until the introduction of the Meridian, none of these modern stoves could surpass the exceptional fuel efficiency of the European "Kachelofen", the classical tile stove dating back to the 13th century.

### CERAMIC AND THE HEAT ACCUMULATION PRINCIPLE

The "Kachelofen", like the Meridian, are made of ceramic, which has superior heat retention abilities. While only 20% as dense as cast iron or steel, fireclay can store over 80% more heat per pound. The Hahnmeisters, master tile stove makers of Renaissance Europe, used this characteristic to achieve both long slow burns and excellent combustion efficiency in their stoves. This combination results in a fire that not only burns the logs and coals but also consumes the volatile gases and creosote deposits. This extremely efficient combustion is also smokeless.

Fireclay has another important property: it has an extremely low thermal conductivity, about 1/45th that of iron or steel. This means that ceramic stores heat and releases it slowly and evenly to its environment, resulting in an impressive thermal efficiency of 75%.

### UNITING FORM AND FUNCTION FOR MAXIMUM EFFICIENCY

To take advantage of the extremely efficient fuel combustion of a ceramic stove, while greatly improving its heat-transfer capabilities, Richard Johnson, an expert in Ceramic Engineering, designed the Meridian, with the following important features:

- *Spherical combustion chamber* allows the volatile gases to swirl and mix, then ignite, resulting in much more efficient combustion and much less residue. The spherical shape also increases the stove's surface area, which radiates heat into the room.
- *Double-wall construction (Heat exchanger)* takes advantage of the natural circulation patterns of air in a room to quickly heat your home. As the fire blazes in the combustion chamber, air in the surrounding airspace is heated, rises and is forced out at the ceiling, pushing stagnant, cool air toward the floor. This cooler air is then drawn back into the bottom of the stove, completing the cycle without the aid of noisy blowers. Because the air swirls around *both* the combustion chamber *and* the flue, the air is heated from floor to ceiling. It is this feature that makes the Meridian heat exchanger unique — no other wood stove makes use of the flue as a convective heat source.
- The high-temperature ceramic, self-cleaning glass door allows the intense infra-red energy of the fire to radiate into the room, helping to heat the room almost immediately after the fire has been lit.
- The pre-heated outside air supply is at a relatively high temperature before reaching the combustion chamber, thereby increasing combustion efficiency and safety.

Because of the special engineering features, the Meridian stove quickly begins to heat your home, even from a cold start. As you stand in front of your stove, you will immediately feel the fire's glow through the glass door and the warm air surrounding you. Meanwhile, the stove's ceramic walls are accumulating the intense heat of the fire chamber and are gently releasing it into the room. You will also notice that the even heat from a Meridian stove is penetrating yet less harsh than that of a metal stove.

And, the stored heat of the Meridian will continue to provide warmth to your home after the flames have died. So, you will need much less wood during a heating season than you would with a conventional iron stove or fireplace — a real energy savings!

### A SPECIAL DEDICATION TO SAFETY

The Meridian Corporation is particularly concerned with making each stove so safe that it can be installed in even the most heavily used living spaces. That is why they use materials that have undergone the most stringent research and testing. And, the Meridian stove has been tested by **Wernock Hersey** to Standard 1482.

Because the ceramic walls retain heat inside, the outer surface is usually moderately warm and there will never be any danger of suffering blistering burns if you touch the tile. These low surface temperatures also allow you to install the Meridian in a corner since only 2 1/2 inches clearance is required between the stove and a combustible wall.

### AN AESTHETICALLY PLEASING ADDITION TO YOUR HOME

In addition to its superior performance as a heat source, the Meridian does double-duty as an integral part of your home's decor. The Meridian Design Corporation offers you a wide variety of colors and patterns of tile to choose from, so, when you order your stove, you can match it to the decorating scheme of any room. And you can rest assured that our talented and experienced craftsmen will make your stove by hand, according to your specific decorating needs.

### MAINTENANCE AT A MINIMUM

The Meridian stove requires so little maintenance, it's practically care-free. The glass virtually cleans itself; it is exposed to such high temperatures that any deposits that settle on it will be consumed by the fire. The outer ceramic tiles only need to be wiped occasionally to be kept clean. And, inside the stove, the fire burns so efficiently, there is virtually no ash or creosote build-up, so you will only need to remove the ashes two or three times during a heating season.

### AND IT CAN COOK TOO!

While the Meridian is heating your home, decorating your living room and saving you money, why not cook in it? From smoking a salmon to roasting a turkey, broiling a steak to baking potatoes, the clean, even heat of the Meridian can help you prepare meals quickly and deliciously.

After years of intensive research and development, Richard Johnson has designed a stove that heats, decorates, cooks, cleans itself and saves you time, energy and money. A welcome addition to any home.

*Meridian — a beautiful alternative.*

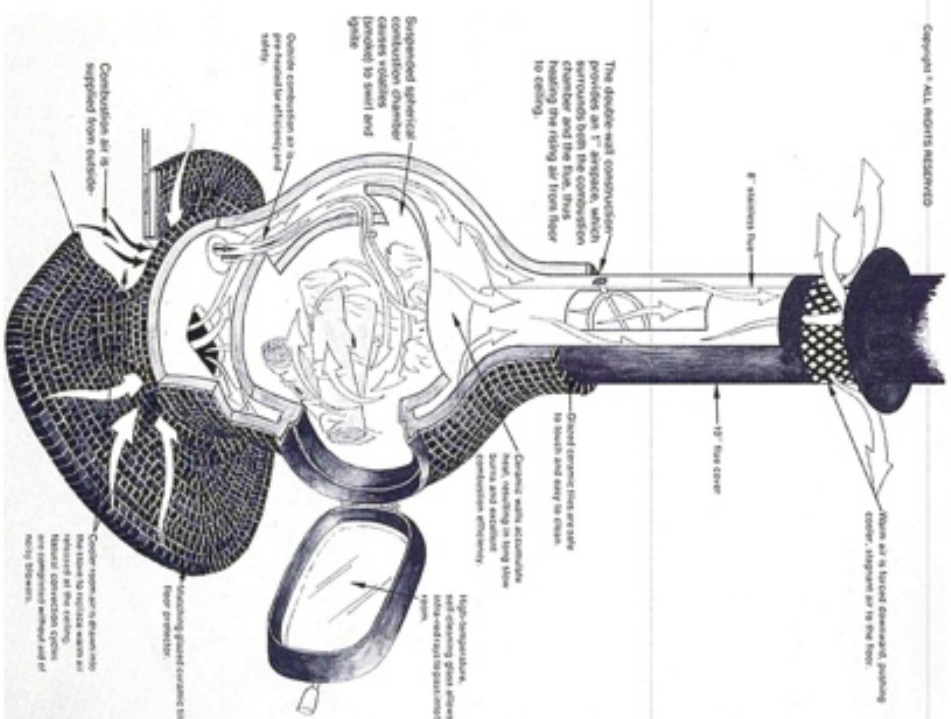
HOT WATERCOIL CAN HEAT YOUR HOT WATER AND JACUZZI



HUNDREDS OF DIFFERENT COLORS TO CHOOSE FROM.



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