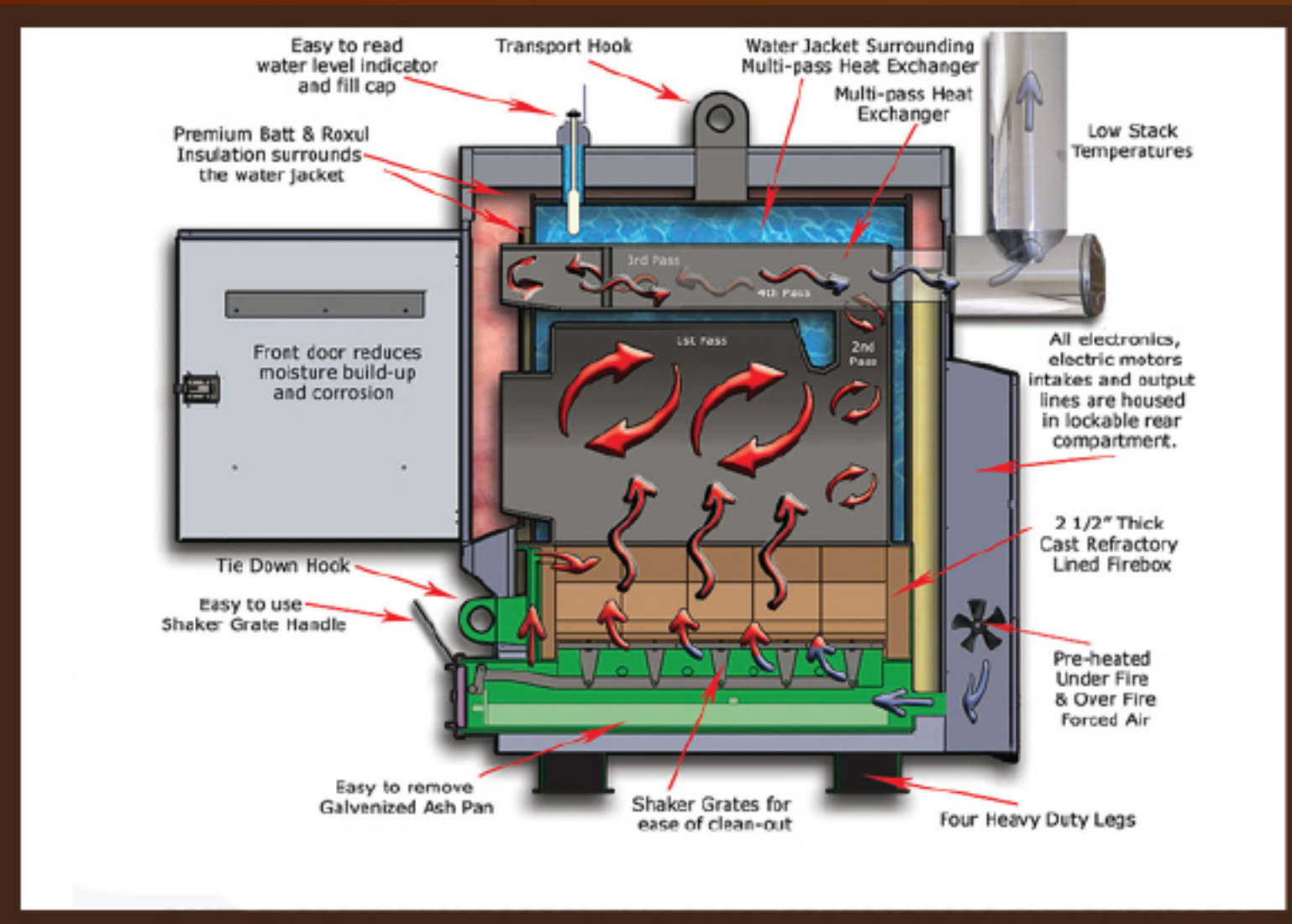


# The Ultimizer Shaker Grate Water Boiler



## Burn 1/3 to 1/2 the Fuel

Portage & Main conventional boilers have set the bench mark for efficiency for over 40 years. Our boilers have *always* burned 1/3 to 1/2 less fuel than any other brand.

After seeing the benefits of complete combustion, resulting from a refractory lining surrounding the firepot, we decided to make a simple to use conventional/gasifier hybrid boiler.

This dramatically reduced emissions by turning the smoke into usable heat. In fact, the Portage & Main Ultimizer has been used to replace other brands EPA Phase 2 gasification units – and we found that no extra wood was required.

## Looking For Referrals?

Our customers span North America and many of them would be happy to share their Portage & Main experience with you.

Please give us a call and we will be happy to put you in touch with a customer near you.

## Distributor

### Heat Smart Plus Inc.

RR3, STN Main  
Hwy 11 North, 1 Mile South of Hwy 2  
Prince Albert, Saskatchewan  
S6V 5R1 Canada

Toll Free: **1-800-561-0700**

**1-306-922-1722**

info@portageandmainboilers.com

# Smart Burning MADE EASY

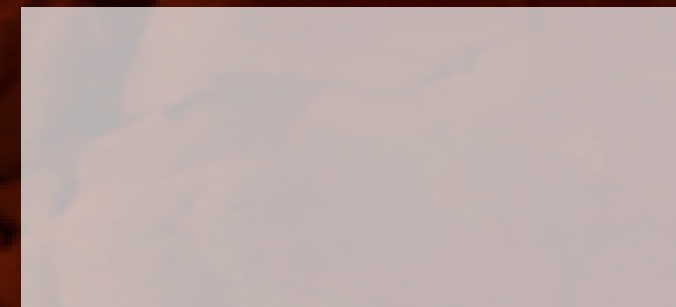


**Portage & Main**  
outdoor boilers

*A boiler that deserves a second look!*

[www.portageandmainboilers.com](http://www.portageandmainboilers.com)

## Local Dealer



**ULTIMIZER Wood  
Burning Model**





# Combustion 101

An efficient outdoor boiler needs to have as complete a combustion as possible.



Atmospheric air only consists of 20% oxygen. The rest is Nitrogen (an inert gas), which doesn't burn. We need to take all the Oxygen that is available and ensure that it has the best environment in which to burn.

The Ultimizer has a refractory lining which surrounds the firepot.

The heat from the fire is absorbed into the refractory lining and then directed back into the firepot. This means more heat and allows the smoke to burn more completely at a higher temperature.

Other boiler brands simply transfer the heat from the fire directly into the water. The water acts as a heat sink and gives an inefficient burn. This, in turn, leads to a lot of black smoke and creosote. When you see smoke from a chimney you are seeing waste resulting from poor combustion. In the past this has given the outdoor boiler industry a poor reputation.

Best practice means that we should only try to burn dry, seasoned wood. Trying to burn wood that has a high moisture content doesn't make sense. You are attempting to use the fire to dry the wood enough for it to burn.

If you must burn unseasoned wood, the hot burning Ultimizer will handle it better.

# What Exactly Is An Outdoor Boiler?

An outdoor boiler stands in your yard (or outbuilding) and heats your home and other buildings.

Water is heated by burning wood (or coal) in the firepot.

The hot water is then circulated through insulated underground pipes to the buildings you wish to heat.

Once the hot water reaches the building, it can be distributed through your existing system.

For example, the hot water can be circulated through a water-to-air heat exchanger and blown through your forced air heating system. Your old system can be kept as a backup.

Or in floor radiant heating pipes can distribute the heat through buildings.

Or hydronic baseboard heaters can be used. The water is then circulated back to the outdoor boiler where it is reheated.

If you would like some advice or to discuss the options available, please call one of our sales team. Our toll-free number in Canada and the United States is...

**1-800-561-0700**

See more testimonials on our website, where our customers compare the Ultimizer to other competitor EPA approved down draft gasifiers.

## Ultimizer Wood Burning and Coal Shaker Grate Models

(4) Wood Burning Models	BL 25 34	BL 28 40	BL 34 44	BL 40 44 *
Boiler Output - (BTU/HR)	Up to 125,000	225,000	370,000	500,000
Heating Area (sq.ft)	Up to 2500	4,000 +	8,000 +	12,000 +
Dimensions - L x W x H (Inches)	57 x 40 x 66	63 x 42 x 72	63 x 42 x 72	72 x 57 x 92
Shipping Weight (Pounds)	2,100	2,300	2,800	3,500
Fire Chamber - L x W x H (Inches)	34 x 25 x 34	40 x 28 x 35	44 x 34 x 44	47 x 40 x 48
Water Capacity (US Gallons)	60	90	120	160
Limited Warranty	20 Year	20 Year	20 Year	20 Year

\* **BL 40 44 - Wood Burning Only** (In the USA, wood burning models are legal for commercial, agricultural and industrial use)

## Easy to use

- 🗑️ Easy to load and easy to operate;
- 🗑️ Achieve 12 hours or longer burns—no need to load wood in the middle of the night to keep the house warm until morning;
- 🗑️ User friendly, easy to read Johnson Controls aquastat;
- 🗑️ Heat your home, domestic hot water, garage and outbuildings with just one unit.

## Easy to maintain

- 🗑️ Minimum maintenance;
- 🗑️ Ashes are removed with easy to use ash pan;
- 🗑️ Easy to clean Heat exchanger (tool provided);
- 🗑️ Take care of your Portage & Main and it will take care of you.

## Want to burn coal too?

Ask us about the Ultimizer Coal Burning Shaker Grate Models.

## Testimonials

"I recently purchased a BL2840 for our farm to replace (another brand's gasifier). I was pleased with the performance over the last seasons but it wasn't large enough for our needs with the addition of the shop. The BL2840 is required to heat drafty old farm house (3000 sq. ft.) and a small farm shop (800 sq. ft.) with in-floor heat. It is comparable to the efficiency of (another brand's gasifier), yet heats more area and requires significantly less maintenance. The price of the BL2840 is lower, yet I would state with confidence that the construction of the Portage and Main is superior. I would not hesitate to recommend this product."

**John B.**

We took our time shopping around before purchasing the P&M Ultimizer. HEATS our house, hot water, two garages and part of the barn. We are very happy with our choice. Would recommend!

**Ronald B.**

I've had an **Ultimizer 28-40** for over 2 years now. It's efficient - I am burning LESS wood and find it to be well designed and built. Would definitely recommend Portage & Main

**John W.**

I've had an **Ultimizer BL34-44** for nearly three years now. I only have good things to say about it. AMAZING service—from my initial call to the day it was unloaded in my yard. I'm heating my house (which used to be hard to keep warm), hot water, barn, hot tub. I'm saving a lot of money and my investment should be paid off in a couple of years.

**Walter V.**