



PORTAGE & MAIN

Est. 1973

ENVIRO-CHIP BURNER

B500 HYDRAMATIC 7 Yard Chip Bin



Portage & Main chip burning hydronic furnaces give a longer burn time between fills. They use less fuel than a conventional wood furnace as the wood burning rate is controlled by metering in the bio-mass chips.

Enviro Chip Burner B500 Bin Offers:

- * Now with Hydraulic Drive.
- * Complete set-up operated with a one HP Motor.
- * Reciprocating-Hydraulic Feed Floor
- * Large 7 yard bin with easy to operate hydraulic lid. Easily loaded with skid steer, tractor bucket or loader.
- * The B500 makes burning biomass attractive and yet affordable for both residential and commercial properties.
- * Heavy duty industrial controls.
- * Automated feed means less manual labour and fuel.
- * The B500 has a powder coated finish and is approved for use outside or other outdoor buildings.

Bio-mass chips include wood, corn stover, switch grass, miscanthus grass, etc.



Watch bio-mass chip videos at
www.portageandmainboilers.com

LIFETIME LIMITED WARRANTY

Electrical Components - 1 Year
CALL US FOR FULL DETAILS!

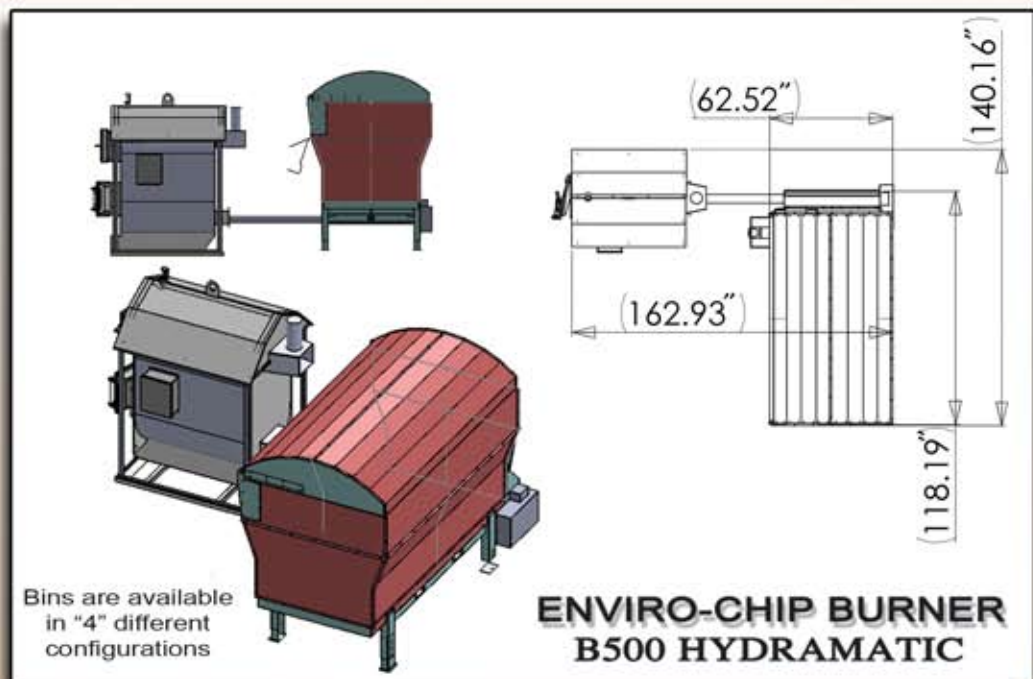




A



B



Bins are available in "4" different configurations

**ENVIRO-CHIP BURNER
B500 HYDRAMATIC**

EFFICIENT & ECONOMICAL - REDUCE WOOD WASTE & YOUR HEATING COSTS AT THE SAME TIME!

- (A.) Reliable industrial quality electronic components to ensure safe, reliable operation. Burn back is controlled with an electronic timing device and a small water tank.
- (B.) We can burn a variety of wood chips including some overage, knots and smaller branch pieces, which eliminates the need for screening to get totally perfect chip sizes as required by some designs. The ideal chip is 1.5" to 2", fed through a 4" or 4 1/2" ID - 5" to 5 1/2" OD auger with 3/8" flighting.

Chip heating with our automated system means less manual labour:

Portage & Main Enviro Chip burners are automated systems that are less labor intensive and highly efficient.

They can replace the use of fossil fuels such as oil and gas to provide heat for homes, commercial premises, schools, municipal buildings, apartments and other institutional buildings.

- * Sustainably produced bio-mass is a local, renewable energy source. Bio-mass has historically remained at a stable price. It is not affected by global economics.
- * Enviro-Chips systems burn efficiently due to their highly effective multi-pass fire tube heat exchangers.
- * Using a chip burning system such as the B500 eliminates the mess associated with cordwood storage and burning, not to mention the ash removal from inside the stove. Bio-mass chips are confined to the storage bin with no dirt or dust entering the building.
- * Because of the extensive refractory brick and the hot burn, there is virtually no visible emissions.
- * Portage & Main Chip burning systems give longer burn times between fills. They use less fuel than conventional wood boilers because the rate is controlled by metering the bio-mass chips at the most efficient rate.
- * Burning Bio-mass fuel is carbon neutral.

Enviro-Chip Burner Facts:

One ton (2,000 lbs) cord wood can yield 4.2 million BTUs
One ton (2,000 lbs) wood chips can yield 6 million BTUs



VISIT US AT
www.portageandmainboilers.com

or call us at

1-800-561-0700

B500 FOOT PRINT

Regardless of the setup option chosen, all options use the same 16'x14' Pad configuration.

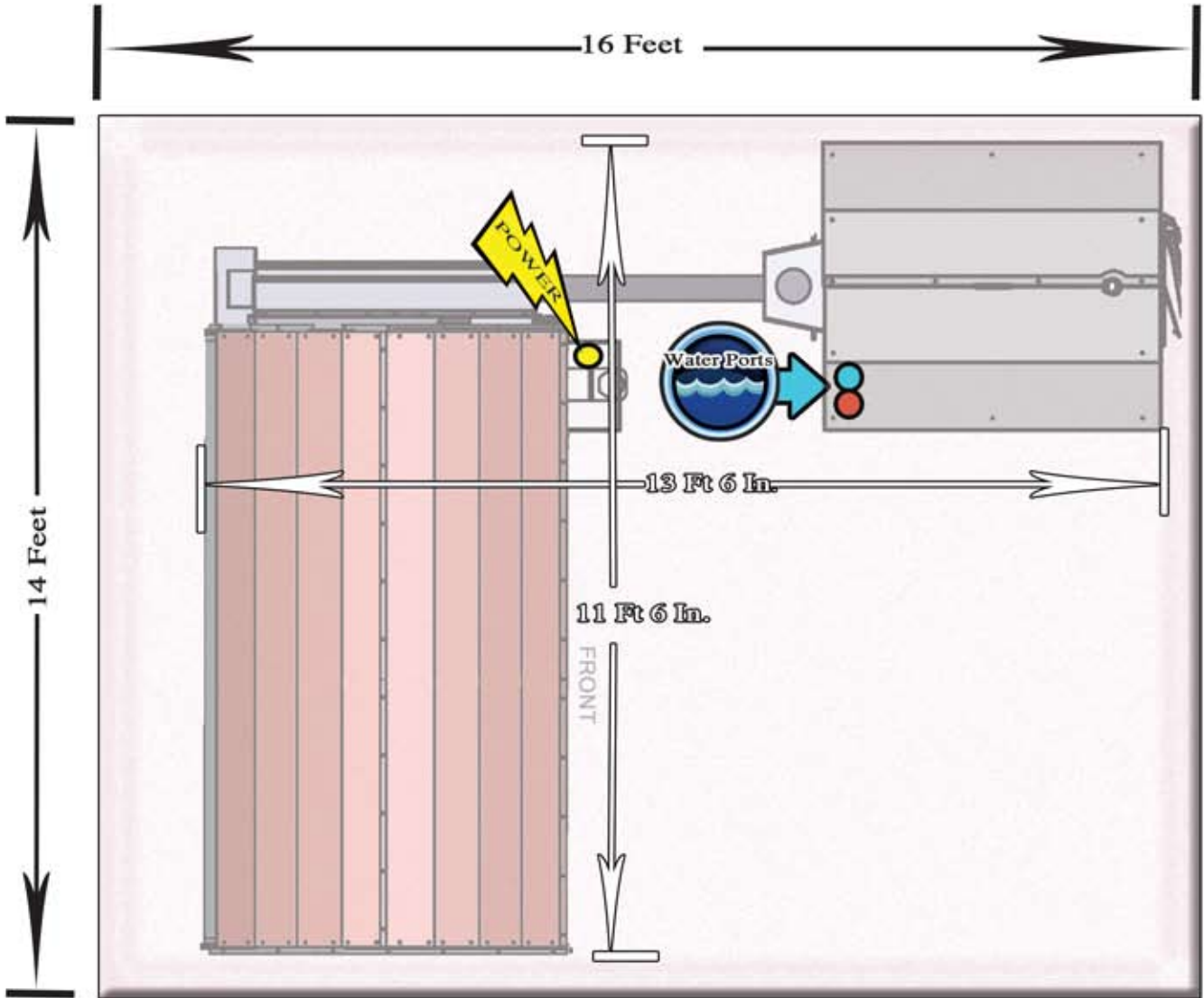
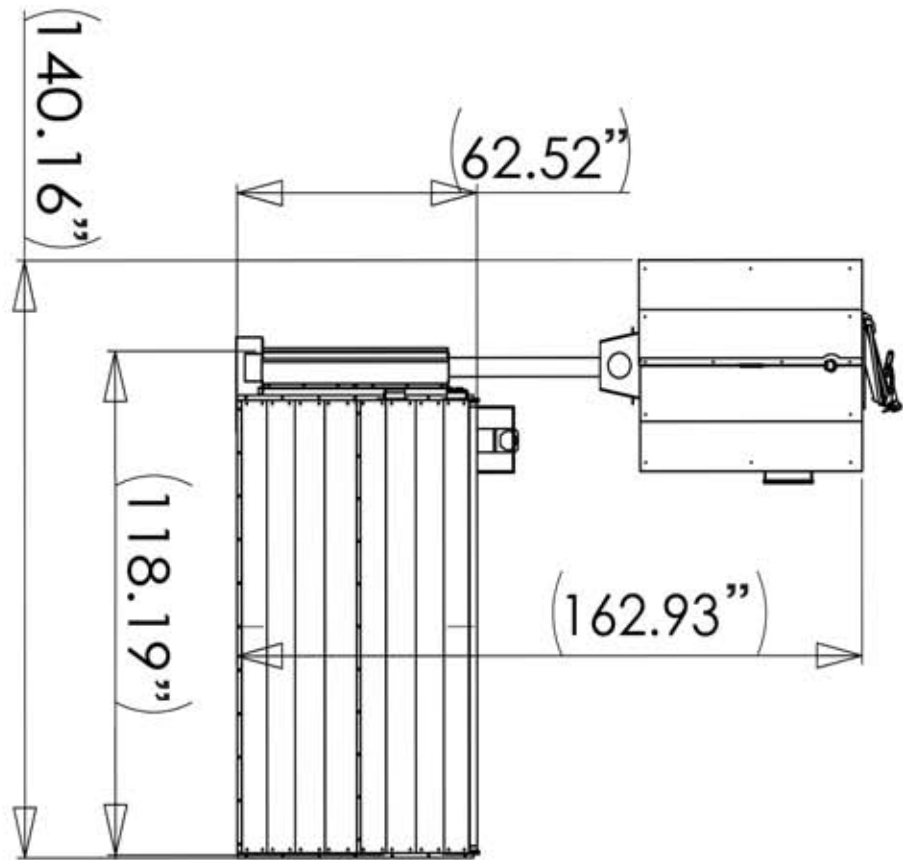
The only changes are where the water ports and electrical connections are made.

All water ports connections are on the back of the boiler on the right side of the chimney.

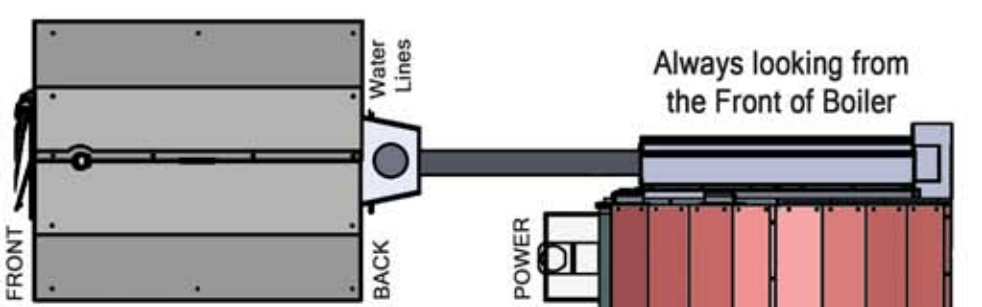
The electrical connection for the Bin and the Boiler are both made on the bin.

This connection depends on whether the bin opens from the front or rear.

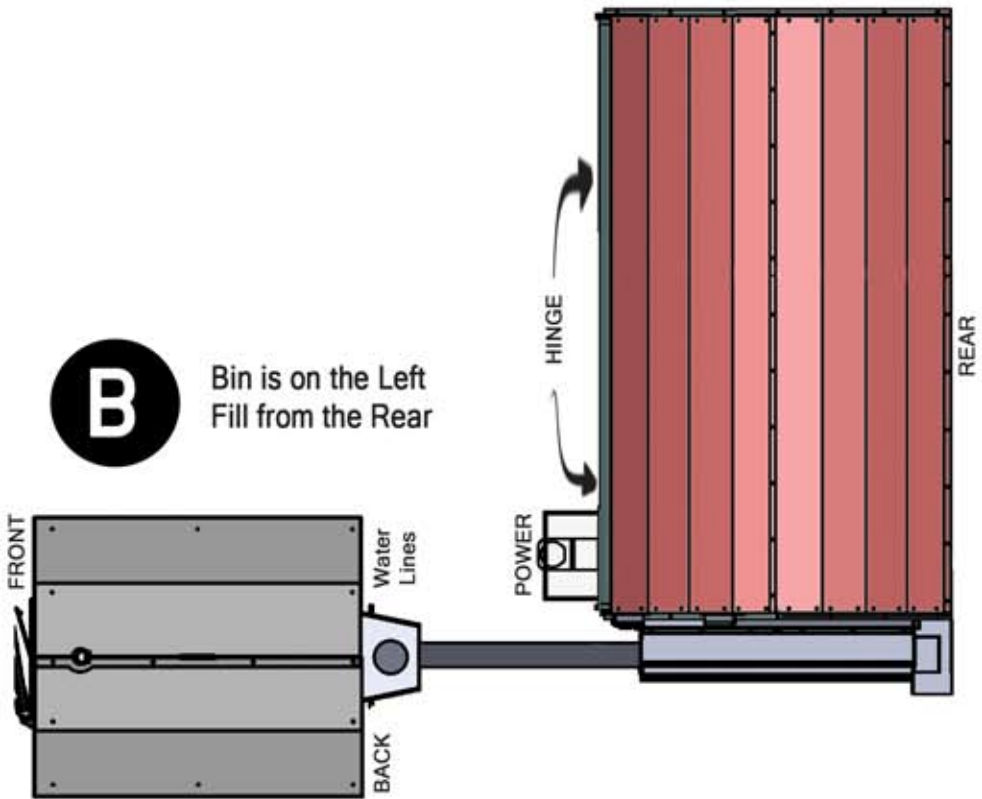
(See options A to D)



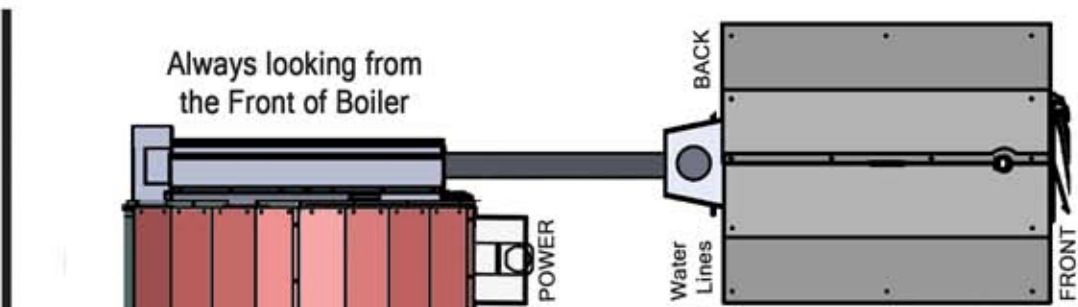
5" THICK



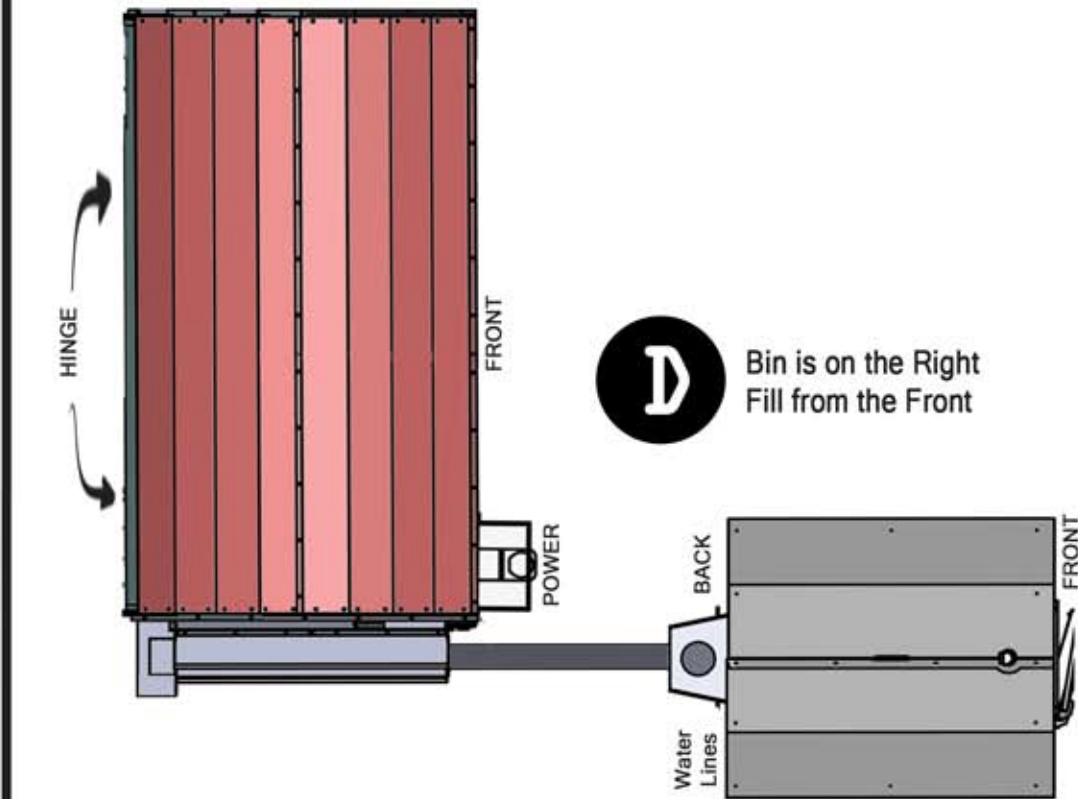
A Bin is on the Right
Fill from the Rear



B Bin is on the Left
Fill from the Rear



C Bin is on the Left
Fill from the Front



D Bin is on the Right
Fill from the Front

Always looking from the Front of Boiler

Always looking from the Front of Boiler