



SIMPLE TRUSTED HEAT

AUTOMATED BIOMASS



AMERICAN MADE

All of our stoves are made with domestic stainless steel and produced in our International Falls, MN manufacturing facility.



CONVENIENCE

A fully automated fuel hopper system, designed for extended burn times, can be loaded to last anywhere from days to weeks, depending on your application. Efficiently heat multiple large spaces, reduce heating bills, and eliminate dependence on foreign fuels while promoting sustainability, all while providing not only heating but also unlimited hot water for various uses.

BIO200

ESTIMATED WEIGHT (EMPTY)	2,250 lbs
SIZE (W X L X H)	81" x 55" x 84"
BURN POT SIZE (D X W X H)	12 3/4" x 7 1/2" x 8"
CHIMNEY SIZE	6"
FIREBOX DOOR SIZE (L X H)	16" x 16"
SUPPLY / RETURN SIZE	1-1/4" (2 sets)
WATER CAPACITY	135 gal
APPROXIMATE SQ. FT.	5,000
APPROXIMATE BTU'S	20,000 - 212,000
APPROXIMATE FUEL CAPACITY (WITH AUGERS FULL)	1,4000 lbs
EFFICIENCY - LOWER HEATING VALUE	96%
EFFICIENCY - HIGHER HEATING VALUE	89.2%
ELECTRICAL RATING	20 Amp
AVERAGE EMISSIONS RATE	0.079 lbs / mmbtu
MAXIMUM EMISSIONS RATE	0.087 lbs / mmbtu
ANNUAL EFFICIENCY RATING	89.2%



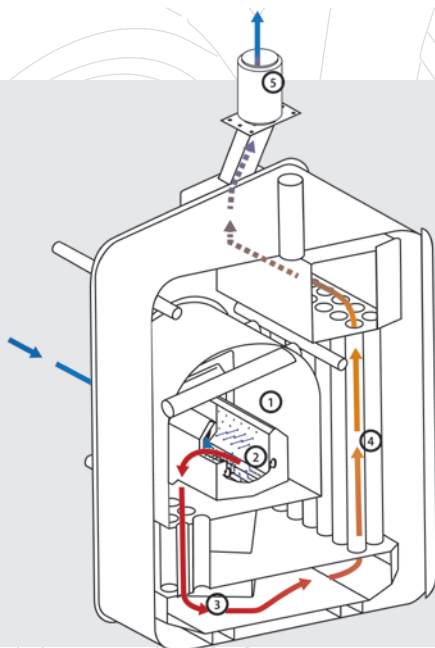
MULTIPLE HEAT EXCHANGERS

The Bio200 boiler utilizes three different heat exchanger technologies maximizing heat transfer throughout various stages of the combustion process and enable fast heat recovery. The efficiency of these combined methods is proven as low exhaust temperatures are observed, ultimately resulting in lower fuel consumption rates.



EASY MAINTENANCE

Designed to ensure efficient, low-maintenance operation with an accessible cleanout door strategically placed to allow easy access to components.



HOW IT WORKS

- ① **FIREBOX** - Ambient combustion air enters the firebox through the rear intake of the stove.
- ② **OMNI-O-2** - Negative pressure draw combustion air through the burn pot, heating the air.
- ③ **PRIMARY HEAT EXCHANGER** - Super heated air passes through primary heat exchanger tubes and the bottom of the boiler, heating up the surrounding water.
- ④ **SECONDARY HEAT EXCHANGER** - Hot exhaust air passes through secondary heat exchanger tubes, further increasing the water's temperature.
- ⑤ **CLASS-A CHIMNEY** - Low temperature exhaust exits through the Class-A chimney.