

The Polar™ outdoor wood burning furnace is made from new North American 1/4 inch ASME SA 516 high carbon Boilerplate steel. This high quality material is the starting point for a robust high quality heating appliance that is designed for the dramatic internal temperature swings that go hand in hand with outdoor wood burning furnaces. Any engineer or welding specialist will agree that the weakest point in any steel vessel, regardless of the material, is the welds. Polar™ furnaces are designed with the least number of welds possible. Laser cutting technology, robotic benders and robotic welders insure the consistency and quality of the Polar™ family of furnaces.

The drum in the updraft boilers is made from a single piece of steel and has one single weld running from the front to the back. The heat exchange tubes run from the front to the back of the unit ensuring maximum length of heat tubes with a minimum number of welds. The door frame, a typical problem spot for outdoor furnaces, is made from two pieces of 1/4 inch boilerplate to ensure a problem free seat for the door. This design ensures that the corners of the door seat are rounded and there are only two welds located on straight sides rather than in the corners.

All Polar™ furnaces are sealed at the factory to ensure that mice and squirrels do not infest the insulation of the unit. When the furnace is installed, there are knockouts that are removed to allow piping and electrical services into the unit.

The Polar™ outdoor wood burning furnace has been designed from the ground up to give years of trouble free operation. Because of the use of purpose built Boilerplate and as a result of the minimal number of welds employed in the design, Polar™ is able to offer a 25 year limited warranty. In the unlikely event that there would ever be a problem with the furnace that requires welding or other repairs, Polar™ will repair the furnace at the customer's location. This means that a customer will never need to pay the freight to return their unit to the factory for a repair.

The heritage of the company, along with their pride in Canadian manufacturing and attention to detail ensures that Polar™ outdoor wood burning furnaces will outlast any of their competitor's products.