

écopoly 2

The only solid-fuel hot air generator acting also as a radiator



Ideal for workshops,
warehouses, greenhouses...



FIREWOOD



COMPRESSED WOOD



PALLET WASTE



CARDBOARD

Distributed by:



www.saatotuli.ca

Your reseller:

écopoly²

Ventilation turbine

Ecopoly2 is equipped with a centrifugal fan blowing air through the heat exchanger to produce large amounts of hot air (around 40 to 50°C increase in temperature compared to ambient air). The centrifugal fan is simply plugged to a 110V plug.



Please note that the pictures are from an European 220V fan. North American models may look different.



Double shell

Ecopoly2 has a doubled shell around the heat-exchanger. Therefore, static air is heated around the exchanger and circulates upwards providing radiant heat around the unit.

Large feeding hatch

The large feeding hatch of Ecopoly2 makes it easy to load even big chunks of fuel inside the furnace.

Hatch width:
Ecopoly2.50: 80 cm = 31.5 inch
Ecopoly2.100: 1m = 39.4 inch



Ashtray with ventilating holes

The large ashtray has a big capacity. The ashtray is equipped with holes to allow better airflow under the combustion grid.

Direct air-to-air heat exchange and radiating heat, no need to invest in a heat transfer network to heat a big hall. Can be used to discard wood and packaging waste like cardboard and pallets.
Applications: agricultural buildings, workshops, greenhouses...

**ECP2.50: 40kW – 136.000BTU/hr, able to heat approximatively 3.500 sqf.
ECP2.100: 80kW – 272.000BTU/hr, able to heat approximatively 7.000 sqf.**



Tubular heat-exchanger with ventilation grid

The high-performance tubular heat-exchanger transfers the combustion heat to the airflow generated by the centrifugal fan.

The ventilation grid distributes the heated air in a homogeneous way and avoids any accidental contact with the hot surfaces of the heat-exchanger.



Ceramic covered combustion chamber and stainless steel combustion grid

Ecopoly2 is designed to ensure an efficient burning of the solid fuels. The combustion grid is made from AISI 430 stainless-steel and stretches on all the width of the combustion chamber.

The combustion chamber is covered by ceramic bricks that will allow a high temperature efficient combustion.

Maintenance is easy as the upper part of Ecopoly2 can be unbolted and removed for cleaning operations. The ceramic bricks of the combustion chamber can be easily replaced one by one.

Disclaimer:

Please note that Ecopoly2 has not been tested for EPA or any other North American standard (except of the centrifugal fan that is manufactured according to North American electrical standards). Use of Ecopoly2 in some areas may be restrained by local or provincial regulations. Ecopoly2 has hot surfaces when delivering maximum power and therefore has to be installed in a secure place where it is not in contact with flammable materials. Ecopoly2 has to be connected to a chimney with good draft which must be swepted regularly. The purchaser assumes all risk and liability in the use of this machinery. The purchaser has the responsibility to check if any local or provincial regulation forbids the use of the equipment in his area. Ecopoly2 is manufactured according to European norms 98/37/CE, 72/23/CE and 89/336/CE.

COMING SOON: Ecopoly2S

(S for Säättöuli)



The new evolution of Ecopoly2 called Ecopoly2S will be available in fall of 2016. Ecopoly2S will be equipped with a bioburner hatch and can be connected to a Säättöuli STRONG biomass burner. With this evolution, Ecopoly2 will be able to use woodchips, pellets and any other biomass fuel as long as it has the correct dimensions to be processed by the feeding screw of the STRONG bioburner.

Säättöuli STRONG also available for retrofitting

Säättöuli STRONG is a high quality biomass burner with an integrated fuel silo of 420 liters (14.8ft³) or 920 liters (32.5ft³). It is available with a 40kW (136.000BTU/hr), 60kW (205.000BTU/hr) or 80kW (273.000BTU/hr) bio-burner. The feeding screw length can be made to the customer's dimensions.

Säättöuli STRONG can be retrofitted in most existing firewood fueled boilers and furnaces to transform it into an automated heat generator.

Säättöuli STRONG is able to burn a wide variety of solid fuels like:



WOODCHIPS



PELLETS



NUTSHELLS



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