

KEY BENEFITS

- ✓ Eliminate your waste bill
- ✓ Power saving
- ✓ Proven Design
- ✓ Designed for local regulations
- ✓ Turn key project
- ✓ Reduce landfill
- ✓ Attractive ROI achievable



AHPK-SERIES HEAT PLANTS

WOOD WASTE FIRED HEAT PLANTS FOR ENERGY RECOVERY

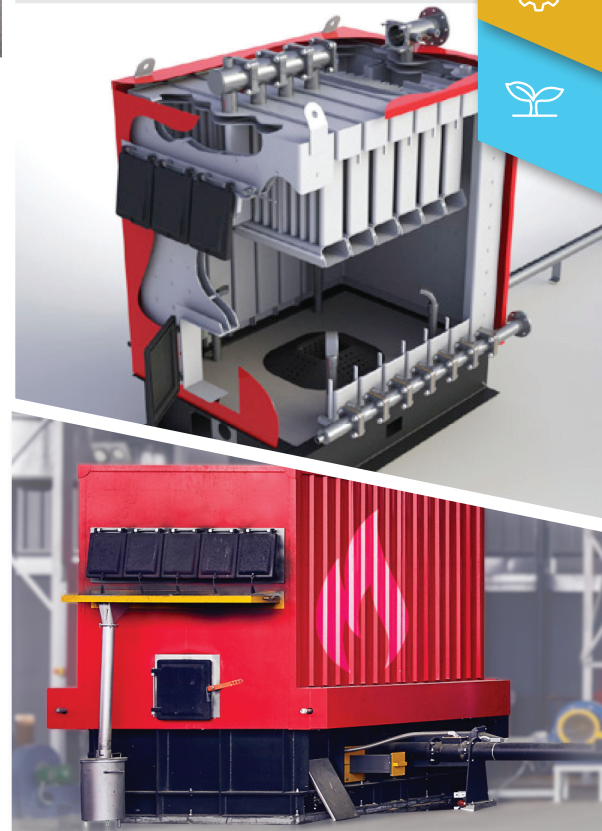
BURN YOUR MDF, TIMBER & MELAMINE FOR ENERGY RECOVERY - CLEANLY

The Airtight Solutions' series of wood waste fired Heat Plants, have been in successful operation in NZ and Australia for over 15 years. Our plants are designed and optimised to meet local EPA guidelines, and will burn your wood waste cleanly.

In utilising your available wood waste as fuel, you can achieve great returns by not only cutting your waste disposal bill, but also improve your carbon foot print and generate a clean source of process heating. Process heating can be used for e.g. factory heating, kilns, spray booths, dryers, hot water, utilities etc.

Our stoker fed fuel delivery and ID fan system, delivers a two stage burn and allow us to control and achieve a clean burn with little emissions. Our measured stack emissions are below than 100mg/m³. We provide a manufacturers guarantee of similar results.

Example of standard sized heat plant below. Our extensive range cover from 350kW – 3MW output.



MODEL	AHPK 350	AHPK 700	AHPK 1000
Hot water heater output	350kW	700kW	1000 kW
Water temp/pressure	900C flow - 700C return, 1.5 Bar	900C flow - 700C return, 1.5 Bar	900C flow - 700C return, 1.5 Bar
Fuel consumption (100% output -10% mC)	100kg/hr of woodwaste	200kg/hr of woodwaste	285kg/hr of woodwaste
Boiler Dimensions			
Hot water Pipe connections	Dia 65NB Hot water flow and return pipes to tank	Dia 65NB Hot water flow and return pipes to tank	Dia 65NB Hot water flow and return pipes to tank
Fuel type	Dust/chips/pellets/briquettes	Dust/chips/pellets/briquettes	Dust/chips/pellets/briquettes
Total Installed Electrical load:	18kW (estimated)	22kW (estimated)	26kW (estimated)

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