

Pyrolyse Oven

The Pyrolyse Oven is a GT multi-block that you unlock at MV, you will most likely first use this multi as a faster and more efficient Coke Oven. Mainly used in the production of Benzene in the early game. Upgrading the Pyrolyse Oven's Coils will increase its production speed.

Construction

A 5x4x5 hollow Multiblock. One Pyrolyse Oven requires:

- 1 Pyrolyse Oven Controller, front center, bottom layer
- 1 Input Bus, center 3x3 on top layer
- 1 Input Hatch, center 3x3 on top layer
- 1 Output Bus, any bottom layer casing
- 1 Output Hatch, any bottom layer casing
- 1 Maintenance Hatch, any bottom layer casing
- 1 Energy Hatch, any bottom layer casing
- 1 Muffler Hatch, center 3x3 on top layer
- 9 Coil blocks, center 3x3 on bottom layer
- 60-80 Pyrolyse Oven casing, everywhere else

Usage

Early Game

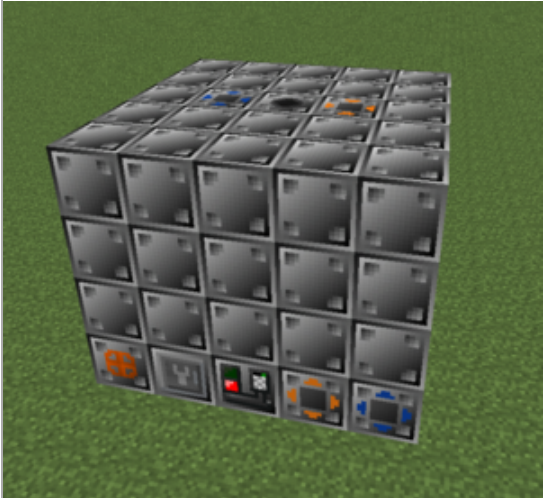
The main use of the Pyrolyse Oven is to produce charcoal from logs along with other fluid byproducts, including ethylene (via wood gas) and creosote oil. It can be sped up with Nitrogen (2x speed) and by increasing the coil tier (50% bonus per tier; cupronickel coils give 50% speed, so recipes take twice as long as listed in NEI). Other uses include coal coke, biomass, and fermented biomass.

Late Game

The following table may be particularly useful(copied from Advanced Coke Oven, which might be more efficient for certain situation):

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Pyrolyse Oven



Mod	Gregtech 5
Type	Tile Entity
Tooltip Text	Controller block for the Pyrolyse Oven
Relevant Quest	Still Not Enough Charcoal? Way Three: Pyrolyse Oven
Tier	MV
Size	5x4x5 (hollow)
Pollution	300 gibbl/sec
Properties:	
Blast resistance	6.0
Hardness	1.0
Energy:	
Energy usage	By recipe
Voltage in	As Energy Hatch
Max amperage	2A

Per Charcoal Recipe

Overclocks	Cupronickel Coils & No Fluid	Kanthal Coils & No Fluid	Nichrome Coils & No Fluid	Cupronickel Coils & Nitrogen	Kanthal Coils & Nitrogen	Nichrome Coils & Nitrogen
0 (MV)	64.0 Ticks	32.0 Ticks	20.3 Ticks	32.0 Ticks	16.0 Ticks	10.6 Ticks
1 (HV)	32.0 Ticks	16.0 Ticks	10.6 Ticks	16.0 Ticks	8.0 Ticks	5.3 Ticks
2 (EV)	16.0 Ticks	8.0 Ticks	5.3 Ticks	8.0 Ticks	4.0 Ticks	2.6 Ticks

Fluid Byproducts

The best way to process these is with a quad Distillation tower one for each of the main byproducts of producing charcoal.

▪ Charcoal Byproducts

By far the most useful, this fluid can be distilled down into Wood Tar, Wood Gas, Wood Vinegar and the various Dimethylbenzene products. This is the most efficient way to process wood in the Pyrolyse oven as you get all of the byproducts, albeit in slightly smaller quantities than distilling directly to one of the other fluids.

▪ Wood Tar

The fluid that you will most likely start off producing (before you get a Distillation Tower), this fluid can be distilled down into Creosote Oil, Phenol, Benzene, and Toluene.

▪ Wood Gas

This fluid can be distilled down into CO₂, Ethylene, Methane gas, Carbon Monoxide and Hydrogen. It can also be burned in a Gas Turbine.

▪ Wood Vinegar

This fluid can be distilled down into Acetic acid, Water, Ethanol, Methanol, Acetone and Methyl Acetate. You only get very small amounts of most of these fluids.

▪ Other

You can get Heavy oil from wood.

Caution

As with all GregTech machines, these items are consumed at the beginning of the process and cannot be retrieved. If power is lost to the machine these items will be destroyed - so be sure your power supply is enough to power the Pyrolyse Oven before use.

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