GT New Horizons

Water Pump

The **Water Pump** is a Steam tier multiblock that generates water from steam at a rate proportional to the humidity of the biome and the tier of the machine--basic (1) or steel (2). The Water Pump is effectively an upgrade to the RC Water Tank because it generates water significantly faster.

Construction

There are two tiers of the Water Pump with the only difference being the material of the frame boxes. The Water Pump only accepts steam through a steam hatch (NOT an input hatch), much like other steam tier multiblocks. The Multiblock Structure Hologram Projector can show/build a basic Water Pump, but holding at least two in a single stack can show/build the steel version.

Assuming plates are made with a hammer and rods are made with a file, a basic Water Pump (with the necessary hatches) requires 156 bronze ingots to build. Similarly, a steel Water Pump requires 80 steel ingots and 76 bronze ingots to build.

Water Pump	
Mod	Gregtech 5
Type	Tile Entity
Relevant Quest	Digging Deep for Water
Tier	Steam
Size	4x3x3 (LxWxH)
Pollution	None

Basic (T1) Requires:

- 1 Water Pump (Controller)
- 10 Bronze Frame Boxes
- 9 Primitive Wooden Casing
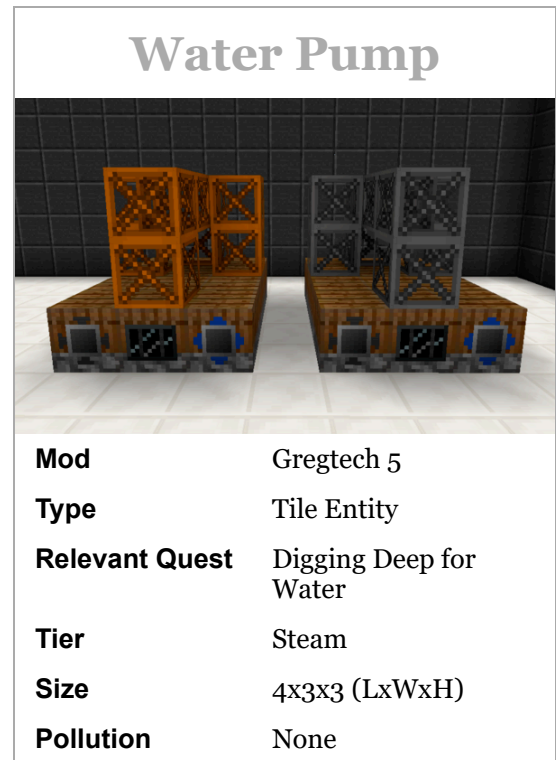- 1+ Steam Hatch (any casing)
- 1+ Output Hatch (any casing)

Steel (T2) Requires:

- 1 Water Pump (Controller)
- 10 Steel Frame Boxes
- 9 Primitive Wooden Casing
- 1+ Steam Hatch (any casing)
- 1+ Output Hatch (any casing)

Usage

Regardless of the humidity of the biome or the tier of the machine, the **input** is always 1,500 L/s of steam. The **output**, however, depends on the following equation:

$$Water = Humidity * Tier * 1,500 L/s$$

For example, a basic Water Pump in a biome with 90% humidity generates water at a rate of (0.90)(1)(1,500 L/s) = 1,350 L/s. A steel Water Pump, however, would generate 2,700 L/s of water in the same biome. Note that boilers convert water to steam at a ratio of 1:160 which means there is always a net positive of water so long as the humidity of the biome is greater than 0%.

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