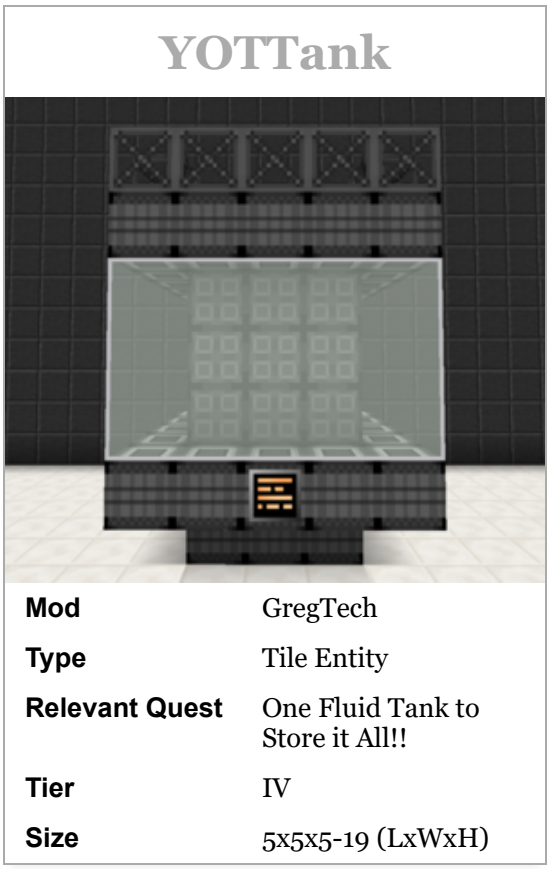
GT New Horizons

YOTTank



Mod	GregTech
Type	Tile Entity
Relevant Quest	One Fluid Tank to Store it All!!
Tier	IV
Size	5x5x5-19 (LxWxH)

The **YOTTank** is an IV tier multiblock for storing massive amounts of a single fluid. The YOTTank is a direct upgrade to Railcraft Tanks and even connects directly to an AE2 network to act as a large fluid storage cell. The total fluid capacity of the machine depends on the number and tier of the fluid cell blocks within the structure. The difference between the YOTTank and the TFFT is that the TFFT can store multiple fluids at 1/25th the total capacity and it requires maintenance/power. Both multiblocks can be quite expensive so most players just use AE2 fluid cells instead.

Construction

The YOTTank can be anywhere between 5 and 19 blocks tall; the layer with the borosilicate glass and fluid cell blocks can be repeated up to 15 times to increase the total fluid capacity of the machine. No air is allowed inside the structure, but the fluid cell blocks do not all have to be the same tier for the structure to form. The tier of the borosilicate glass limits the maximum tier of the fluid cell blocks (see below). The Multiblock Structure Hologram Projector can show/build the structure for the player with subchannel "glass" to specify the tier of the borosilicate glass and the number of projectors held in a single stack to determine the height.

The YOTHatch is unique to the YOTTank and connects the machine to an AE2 network. The YOTHatch requires a channel and has a passive loss of 5 EU/t. Right-click with a screwdriver to increase the storage priority by increments of 10 or sneak right-click to decrease the storage priority by increments of 10. Right-click with a soldering iron to set the mode (NO ACCESS, READ, WRITE, or READ/WRITE), but it doesn't actually do anything. Only one YOTHatch is allowed per YOTTank.

Requires:

- 1 YOTTank (controller)
- 16-240 Borosilicate Glass [1]
- 9-135 Fluid Cell Blocks [1]
- 25-43 YOTTank Casing

- 0+ Output Hatch (any bottom casing)
- 0-1 YOTHatch (any bottom casing)

1. These are independently TIERED components. The borosilicate glass must all be the same tier, but the fluid cell blocks do not.

Wallsharing

Multiple YOTTanks can wallshare the borosilicate glass and YOTTank casings on their sides to save on both space and resources, especially for taller versions of the machine. The YOTHatch, however, cannot be shared because it can only read one fluid at a time.

Fluid Cell Blocks

There are 10 tiers of fluid cell blocks for the YOTTank. Each tier increases the capacity of the fluid cell block by two orders of magnitude or 100-fold. The total fluid capacity of the YOTTank is the sum of the fluid cell blocks' individual capacities. The table below summarizes the capacities for all the different tiers of fluid cell blocks, assuming no mixing. The voltages in parentheses are the minimum borosilicate glass tiers.

Height	Cells	T1 (HV)	T2 (EV)	T3 (IV)	T4 (LuV)	T5 (ZPM)	T6 (UV)	T7 (UHV)	T8 (UEV)	T9 (UIV)	T10 (UMV)
5	9	9.00ML	900ML	90.0GL	9.00TL	900T L	90P L	9.00EL	900E L	90.0ZL	9.00Y L
6	18	18.0ML	1.80GL	180GL	18.0TL	1.80PL	180PL	18.0EL	1.80ZL	180ZL	18.0Y L
7	27	27.0ML	2.70GL	270GL	27.0TL	2.70PL	270PL	27.0EL	2.70ZL	270ZL	27.0Y L
8	36	36.0ML	3.60GL	360GL	36.0TL	3.60PL	360PL	36.0EL	3.60ZL	360ZL	36.0Y L
9	45	45.0ML	4.50GL	450GL	45.0TL	4.50PL	450PL	45.0EL	4.50ZL	450ZL	45.0Y L
10	54	54.0ML	5.40GL	540GL	54.0TL	5.40PL	540PL	54.0EL	5.40ZL	540ZL	54.0Y L
11	63	63.0ML	6.30GL	630GL	63.0TL	6.30PL	630PL	63.0EL	6.30ZL	630ZL	63.0Y L
12	72	72.0ML	7.20GL	720GL	72.0TL	7.20PL	720PL	72.0EL	7.20ZL	720ZL	72.0Y L
13	81	81.0ML	8.10GL	810GL	81.0TL	8.10PL	810PL	81.0EL	8.10ZL	810ZL	81.0Y L
14	90	90.0ML	9.00GL	900GL	90.0TL	9.00PL	900PL	90.0EL	9.00ZL	900ZL	90.0Y L
15	99	99.0ML	9.90GL	990GL	99.0TL	9.90PL	990PL	99.0EL	9.90ZL	990ZL	99.0Y L
16	108	108ML	10.8GL	1.08TL	108T L	10.8PL	1.08EL	108E L	10.8ZL	1.08YL	108Y L
17	117	117ML	11.7GL	1.17TL	117T L	11.7PL	1.17EL	117E L	11.7ZL	1.17YL	117Y L
18	126	126ML	12.6GL	1.26TL	126T L	12.6PL	1.26EL	126E L	12.6ZL	1.26YL	126Y L
19	135	135ML	13.5GL	1.35TL	135T L	13.5PL	1.35EL	135E L	13.5ZL	1.35YL	135Y L

Metric (SI) Prefixes

- M = Mega (10^6) // Million
- G = Giga (10^9) // Billion
- T = Tera (10^12) // Trillion
- P = Peta (10^15) // Quadrillion
- E = Exa (10^18) // Quintillion
- Z = Zetta (10^21) // Sextillion
- Y = Yotta (10^24) // Septillion
