

TFFT

The **TFFT** is an HV tier multiblock for storing massive amounts of 25 different fluids. The TFFT is similar to Railcraft Tanks, but with multiple fluids and connects to an AE2 network to act as a large multi-fluid storage cell. The total fluid capacity of the machine depends on the number and tier of the storage field blocks within the structure. Each fluid can only occupy 1/25th of the total capacity even if their partition is full. The difference between the TFFT and the YOTTank is that the YOTTank can only store a single fluid and it does not require maintenance/power. Both multiblocks can be quite expensive so most players just use AE2 fluid cells instead.

Construction

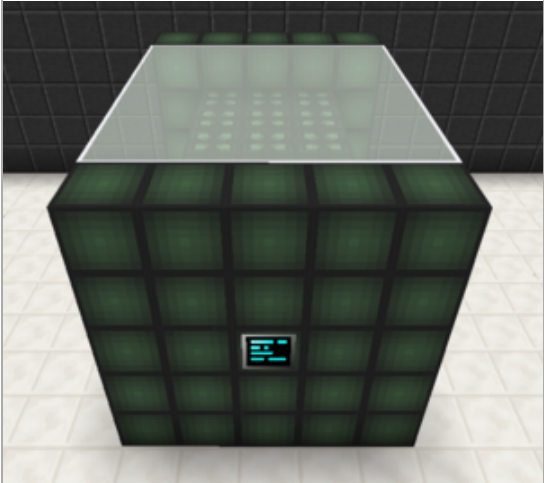
The TFFT can be anywhere between 5 and 15 blocks long; the slice with the warded glass and storage field blocks can be repeated up to 13 times to increase the total fluid capacity of the machine. No air is allowed inside the structure and the storage field blocks must all be the same tier for the structure to form. The tiered glass must also be at least EV but otherwise has no effect on the machine. No energy hatch is necessary for T10 field storage blocks because it does not consume any power. The Multiblock Structure Hologram Projector can show/build the structure for the player with subchannel "field" to specify the tier of the field storage blocks and the number of projectors held in a single stack to determine the length.

The Multi I/O Hatch is unique to the TFFT and provides all-in-one access to the fluids in the machine. Place a fluid storage bus on the hatch to connect the machine to an AE2 network. No other hatches are necessary if a Multi I/O Hatch is installed. Without the Multi I/O Hatch, the TFFT can only output one fluid at a time based on the programmed circuit in the GUI of the controller. Use a Portable Scanner to determine which number is associated with each fluid. If no programmed circuit is present then it will output the first available fluid.

Requires:

- 1 T.F.FT (controller)
- 48-208 EV+ Tiered Glass ^[1]

TFFT



Mod	GregTech
Type	Tile Entity
Relevant Quest	TFFT
Tier	HV
Size	5-15x5x5 (LxWxH)

- 1+ Energy Hatch (any casing)
 - 1 Maintenance Hatch (any casing)
 - 1+ Input Hatch (any casing or glass adjacent to a field storage block)
 - 1+ Output Hatch (any casing or glass adjacent to a field storage block)
 - 0-1 T.F.F.T Multi I/O Hatch
1. These are independently TIERED components. The field storage blocks must all be the same tier, but the glass does not.

Wallsharing

Multiple TFFTs can wallshare the tiered glass and TFFT casings on their sides to save on both space and resources, especially for longer versions of the machines. The energy and maintenance hatches are not as limited as the other hatches and can also be shared.

Field Storage Blocks

There are 10 tiers of field storage blocks for the TFFT. Each tier significantly increases the capacity of the field storage block, but also the energy consumption of the machine. The total fluid capacity and energy consumption of the TFFT is the sum of the field storage blocks' individual values for those parameters. Fluids may only occupy 1/25th of the total capacity even if their partition is full--they

CANNOT overflow to a second partition. Right-click the controller with a screwdriver to enable excess voiding. Scan the controller with a Portable Scanner to see the total fluid capacity, the per-fluid capacity, and the total energy consumption of the machine, or use one of the tables below.

Total Fluid Capacity

Length	Cells	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
5	27	27.0M L	108M L	432M L	1.73G L	6.91G L	55.3G L	3.54T L	226T L	14.5P L	29.7E L
6	36	36.0M L	144M L	576M L	2.30G L	9.22G L	73.7G L	4.72T L	302T L	19.3P L	39.6E L
7	45	45.0M L	180M L	720M L	2.88G L	11.5G L	92.2G L	5.90T L	377T L	24.2P L	49.5E L
8	54	54.0M L	216M L	864M L	3.46G L	13.8G L	111G L	7.08T L	453T L	29.0P L	59.4E L
9	63	63.0M L	252M L	1.01G L	4.03G L	16.1G L	129G L	8.26T L	528T L	33.8P L	69.2E L
10	72	72.0M L	288M L	1.15G L	4.61G L	18.4G L	147G L	9.44T L	604T L	38.7P L	79.2E L
11	81	81.0M L	324M L	1.30G L	5.18G L	20.7G L	166G L	10.6T L	679T L	43.5P L	89.1E L
12	90	90.0M L	360M L	1.44G L	5.76G L	23.0G L	184G L	11.8T L	755T L	48.3P L	99.0E L
13	99	99.0M L	396M L	1.58G L	6.34G L	25.3G L	203G L	13.0T L	830T L	53.2P L	109E L
14	108	108M L	432M L	1.73G L	6.91G L	27.6G L	221G L	14.2T L	906T L	58.0P L	119E L
15	117	117M L	468M L	1.87G L	7.49G L	30.0G L	240G L	15.3T L	981T L	62.8P L	129E L

Per-Fluid Capacity

Length	Cells	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
5	27	1.08M L	4.32M L	17.3M L	69.1M L	276M L	2.21G L	142G L	9.06T L	580T L	1.19E L
6	36	1.44M L	5.76M L	23.0M L	92.2M L	369M L	2.95G L	189G L	12.1T L	773T L	1.58E L
7	45	1.80M L	7.20M L	28.8M L	115M L	461M L	3.69G L	236G L	15.1T L	966T L	1.98E L
8	54	2.16M L	8.64M L	34.6M L	138M L	553M L	4.42G L	283G L	18.1T L	1.16P L	2.37E L
9	63	2.52M L	10.1M L	40.3M L	161M L	645M L	5.16G L	330G L	21.1T L	1.35P L	2.77E L

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11	81	3.24M L	13.0M L	51.8M L	207M L	829M L	6.64G L	425G L	27.2T L	1.74P L	3.56E L
12	90	3.60M L	14.4M L	57.6M L	230M L	922M L	7.37G L	472G L	30.2T L	1.93P L	3.96E L
13	99	3.96M L	15.8M L	63.4M L	253M L	1.01G L	8.11G L	519G L	33.2T L	2.13P L	4.35E L
14	108	4.32M L	17.3M L	69.1M L	276M L	1.11G L	8.85G L	566G L	36.2T L	2.32P L	4.75E L
15	117	4.68M L	18.7M L	74.9M L	300M L	1.20G L	9.58G L	613G L	39.3T L	2.51P L	5.15E L

Total Power Draw

Length	Cells	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10
5	27	27.0 EU/t	54.0 EU/t	135 EU/t	378 EU/t	1.13k EU/t	3.56k EU/t	11.6k EU/t	38.6k EU/t	131k EU/t	0 EU/t
6	36	36.0 EU/t	72.0 EU/t	180 EU/t	504 EU/t	1.51k EU/t	4.75k EU/t	15.4k EU/t	51.5k EU/t	175k EU/t	0 EU/t
7	45	45.0 EU/t	90.0 EU/t	225 EU/t	630 EU/t	1.89k EU/t	5.94k EU/t	19.3k EU/t	64.4k EU/t	219k EU/t	0 EU/t
8	54	54.0 EU/t	108 EU/t	270 EU/t	756 EU/t	2.27k EU/t	7.12k EU/t	23.2k EU/t	77.2k EU/t	263k EU/t	0 EU/t
9	63	63.0 EU/t	126 EU/t	315 EU/t	882 EU/t	2.65k EU/t	8.32k EU/t	27.0k EU/t	90.1k EU/t	306k EU/t	0 EU/t
10	72	72.0 EU/t	144 EU/t	360 EU/t	1.01k EU/t	3.02k EU/t	9.50k EU/t	30.9k EU/t	103k EU/t	350k EU/t	0 EU/t
11	81	81.0 EU/t	162 EU/t	405 EU/t	1.13k EU/t	3.40k EU/t	10.7k EU/t	34.7k EU/t	116k EU/t	394k EU/t	0 EU/t
12	90	90.0 EU/t	180 EU/t	450 EU/t	1.26k EU/t	3.78k EU/t	11.9k EU/t	38.6k EU/t	129k EU/t	438k EU/t	0 EU/t
13	99	99.0 EU/t	198 EU/t	495 EU/t	1.39k EU/t	4.16k EU/t	13.1k EU/t	42.5k EU/t	142k EU/t	481k EU/t	0 EU/t
14	108	108 EU/t	216 EU/t	540 EU/t	1.51k EU/t	5.54k EU/t	14.3k EU/t	46.3k EU/t	154k EU/t	525k EU/t	0 EU/t
15	117	117 EU/t	234 EU/t	585 EU/t	1.64k EU/t	4.91k EU/t	15.4k EU/t	50.2k EU/t	167k EU/t	569k EU/t	0 EU/t

Metric (SI) Prefixes

- k = Kilo (10^3) // Thousand
- M = Mega (10^6) // Million
- G = Giga (10^9) // Billion
- T = Tera (10^12) // Trillion
- P = Peta (10^15) // Quadrillion

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More information

- Y = Yotta (10^{24}) // Septillion
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