List of parts and prices of toilet:

Component:	Details:	Price: (without tax)	Source:
Temperature sensor	Two of this component to measure the temperature within the two tanks	Approximat ely 65\$, 32.50\$ each	https://www.amazon.c a/s?k=tempature+pro be&ref=nb_sb_noss (Amazon)
Pressure sensor	Used to make sure tanks and pipes do not explode due to temperature and pressure of expanding substances	Approximat ely 60\$ for two 30\$ each	https://www.amazon.c om/Electronic-Pressu re-Sensor/s?k=Electr onic+Pressure+Sens or (Amazon)
Stainless steel piping	The diameter will change but overall the price will stay generally the same and it is rounded up anyway	About 320\$ worth of piping however this will change based on	https://www.grainger. com/category/plumbin g/pipe-tubing-and-fitti ngs/pipe/stainless-ste el-pipe (Grainger)
Stepper high torque motors	Two of this component, have to be compatible with motherboard and wiring system	Approximat ely 90\$ each 180\$ for 2	https://www.moonsind ustries.com/c/powerpl us-hybrid-stepper-mot ors-a020102 https://makerparts.ca/ products/nema-23-hig h-torque-stepper-mot or?variant=42199699 919 (Makerparts)
Pressurized air pumps	Two of this component, for a medium quality air pump this kind will do the job, removing the needed gasses from the digestion tank	Approximat ely 70\$, 35\$ each	https://www.amazon.c a/s?k=methane+pum ps&ref=nb_sb_noss (Amazon)
Water filter for	Not the same build or	Approximat	https://www.irrigation

chemicals and particles	shape of component however the component is the same in its function and the way it works so the price would be similar	ely 50\$ given size and quality of component	global.com/contents/e n-us/d20415_Chemic al-fluids-discs-filters.h tml (Irrigation global)
Steel frame	For holding and supporting the entire mechanism	Approximat ely 120\$	https://www.homedep ot.com/p/Husky-6-ft-A djustable-Height-Solid -Wood-Top-Workben ch-G7200S1-US/312 383950 (Home depot)
Small Steel supports for components and connections	This is a ballpark estimate for component attachments because prices may vary and amount used it not fully calculated so the price is high balled	About 80\$	https://www.technobo tsonline.com/perforat ed-metal-strip-305x8. 75x0.5xr3mm-pk-of-5. html (Technobots)
Steel nuts and bolts	About 100 required for connecting components	About 40\$	https://www.homedep ot.com/b/Hardware-F asteners-Bolts-Hex-B olts/N-5yc1vZc2c0 (Home Depot)
Wires and circuit/ motherboard	Based off simple components although my knowledge is limited in this area but I believe that this price reasonable for the board (Arduino mega) and connecting wires and cords	150\$	https://www.arduino.c c/en/Main/Products (Arduino)
Stainless steel churn	Specialized component, based price off of quality kitchen whisk	About 35\$ based on size and quality	https://www.amazon.c a/s?k=steel+wisk&ref =nb_sb_noss_2 (Amazon)
Welding solder	Lead free, copper or another mix of metals (Tin probably) to make secure connections	About 45 - 55\$ depending on amount	https://www.homedep ot.com/b/Tools-Weldi ng-Soldering-Brazing- Soldering-Equipment-

	between the pipes of the system	used	Solder-Solder-Wire/C opper-Pipe/N-5yc1vZ 1z18gvgZ1z1a33p?st oreSelection= (Home Depot)
Toilet	The system can be sold with and without the toilet. The system is adapted to fit any toilet design	An average toilet can cost around 160\$, however a higher end toilet will cost 250\$ or more	https://www.homedep ot.ca/en/home/catego ries/bath/toilets-toilet- seats-and-bidets/toilet s.html (Home Depot)
Double boiler conduction burner	With insolation (like water heater)	Approximat ely 280\$ based on sizing and cost ratios	https://www.homedep ot.ca/en/home/catego ries/building-materials /plumbing/water-heat ers/tank-water-heater s.html?products=&q=: relevance:attributeidw hcapacity:23.0:catego ryPathHierarchy:4%2 52Fhd-classes%252F I1-building-materials %252Fl2-plumbing%2 52F1011029%252Fl4 -tankwaterheaters19: attributeidwhcapacity: 30.0 (Home Depot)
Digestor container,	Based on industrial closed churners/ mixers. includes: steel churners, two motors, the connecting pipes and the outer isolation shell.	About 230\$ based on size and conversion	https://sh-kaiquan.en. made-in-china.com/pr oduct/BXLnhHAMnvk V/China-Industrial-Liq uid-Mixer-Price-Stainl ess-Steel-Mixer-Liqui d-Mixer.html (Made in China, industrial supplier of chinese made goods)
igniter/spark plug	The electric igniter	About 10\$	https://www.amazon.c

	controlled by the motherboard that will light the first methane and the methane overall within the burning chamber		om/Grill-Igniters/b?ie= UTF8&node=778797 2011 (Amazon)
Liquid solid separator	The size is adopted to the price, a single screw design using a motor and a mesh filter strainer.	Approximat ely 150\$	https://www.made-in-china.com/products-search/hot-china-products/Solid_Liquid_Separator_Price.html https://www.russellfinex.com/en/separation-equipment/liquid-solid-separation/centrifugal-separator/
Rotator airtight lock	Airtight rotating valve for connection between liquid solid separator and digestor	36.63\$	https://www.walmart.c a/en/ip/100MM-Stainl ess-Steel-Electric-Air- Valve-220VAC-Air-Da mper-Air-Tight-Type- Ventilation-Pipe-Valv e-without-flange/PRD 4GH07Q23HEF9 (Walmart Hardware)
Total: 2146.63\$			