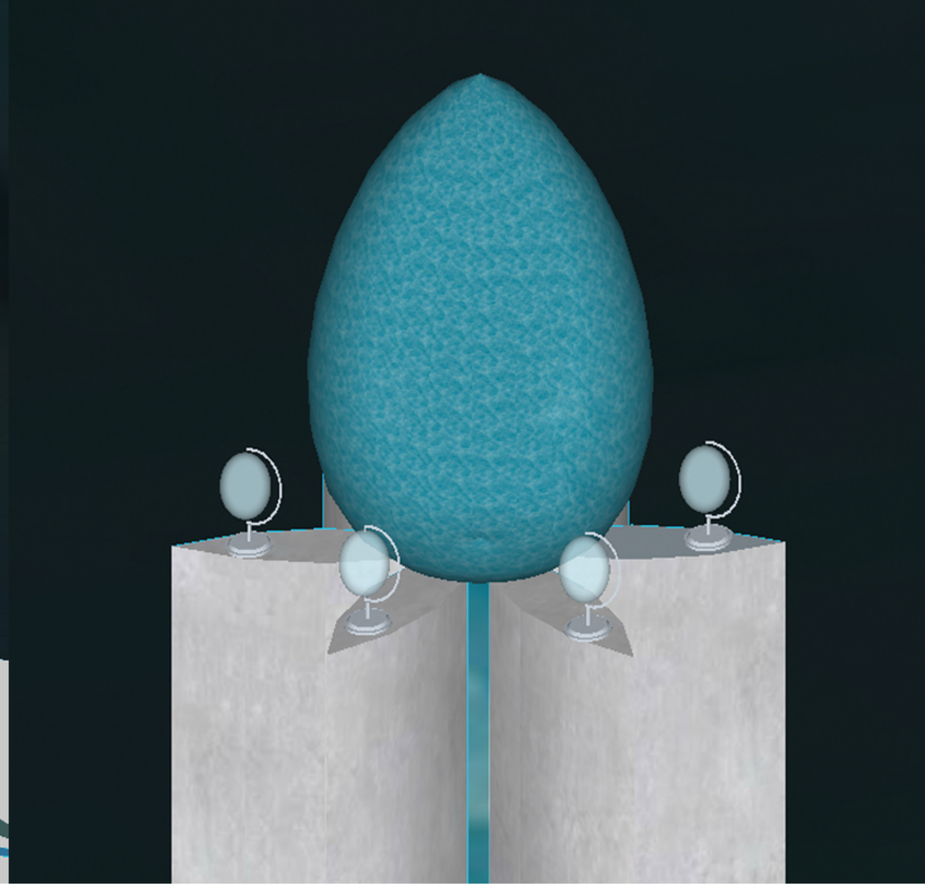
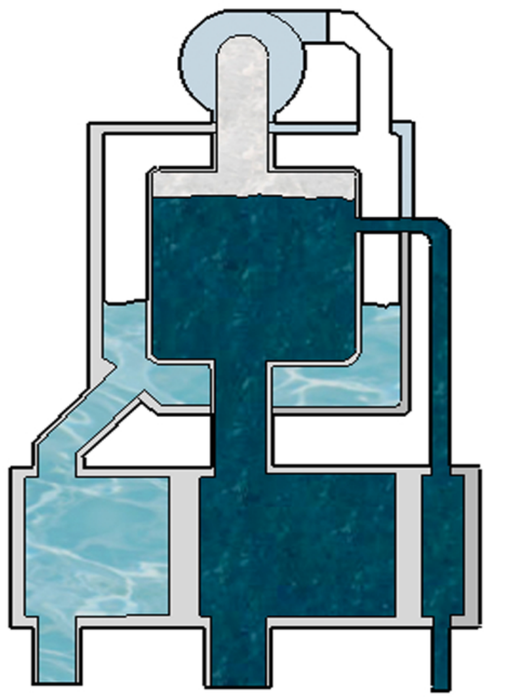


Vapor Compression H_2O Distiller



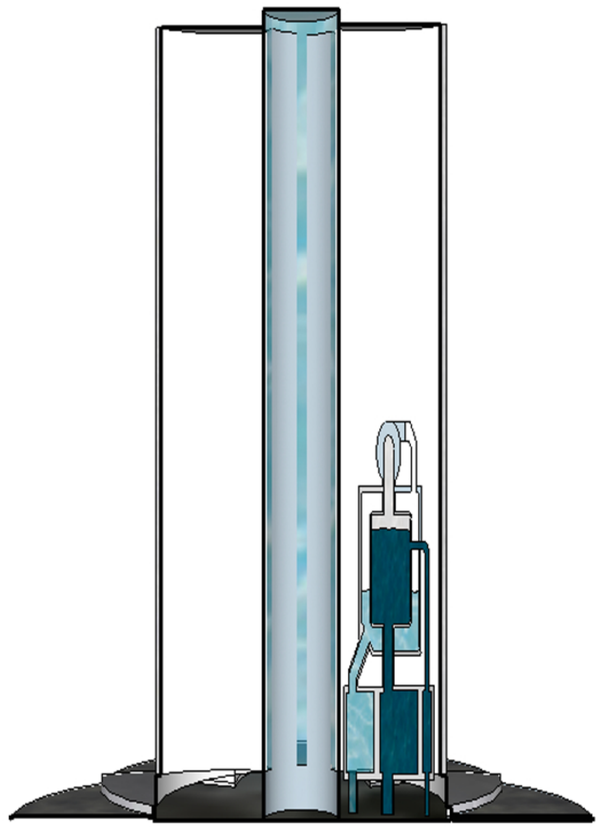
Clean H_2O

Dirty H_2O (Intake)

Return H_2O

1. A heat exchanger heats the input water to approximately 100°C and cools the clean water and the return water to ambient temperature.
2. Dirty water is heated in the boiling chamber and evaporates as steam.
3. The compressor slightly raises the pressure and temperature of the steam.
4. Clean water condenses on the relatively cooler surfaces of the condensing chamber.

   Heat released by the condensing water is recycled into the boiling chamber.
5. Separated contaminants are collected and discharged.
6. Clean water is collected and ready to drink!



Beta.ray 1.00 Generator