

Desalination Station



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Problem: There is a shortage of freshwater in the world, and current desalination systems are expensive and energy intense.

Scope: We are seeking to design a system suitable for small scale water production in single households. The system must be low cost and low energy demand, while producing potable fresh water.

Solution: Our system will utilize high frequency (ultrasonic) vibration and low pressure to reduce the energy required to purify salt water.