

PRINCIPLES OF OPERATION:

- A buoy and a counterweight are tethered to the handle of a piston pump.
- Both are submerged underwater
- The pump itself is likewise tethered to the seafloor
- As waves propagate through the water, they set the buoy and counterweight in motion
- The motion of the buoy and counterweight drives the piston pump, which in turn pumps seawater through a reverse osmosis membrane
- The products are brine and freshwater
- Brine outflow is used to generate electricity for a disinfection module