

Wet Stirling

One other idea before leaving this subject: If you are using a system based upon hot and cold water for energy sources, consider replacing the displacer piston with a chamber as shown below. The chamber is heated and cooled by sprays of alternating hot and cold water, which is recycled. The injector pumps would serve the dual purpose of spraying the chamber and circulating the water, and could be either coupled mechanically or driven by solenoids. If driven electrically by solenoids they could be timed to the top and bottom dead centers of the power piston (as opposed to the 90-degree lead of mechanically coupled systems), and thereby increase the efficiency.

