

T-Shirt- Fitted Thermoelectric Cooling System

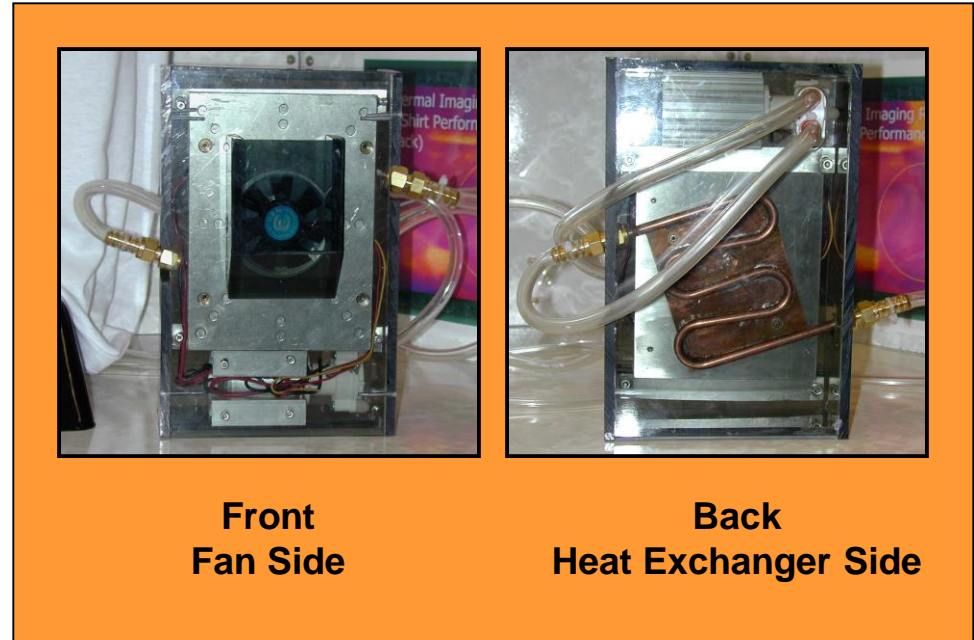
Project: Personal Cooling Device using a Thermoelectric Cooler

Team: John Crawford, Doug Gerring, Mike Lucas, Brian Scott, and Eric Strauss



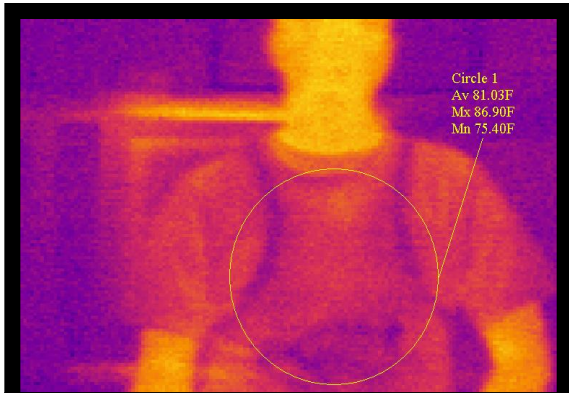
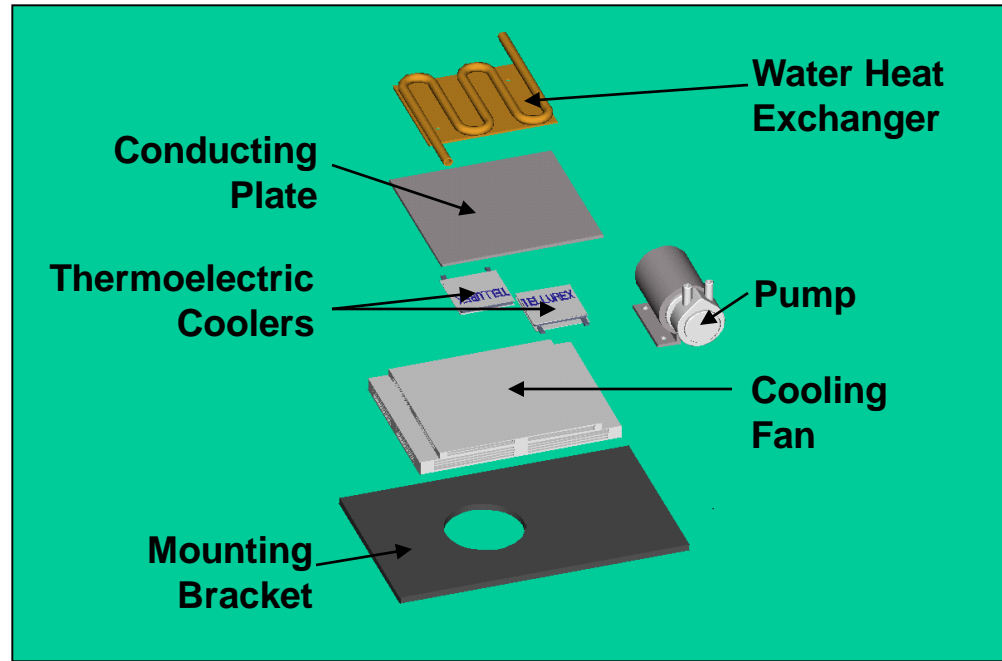
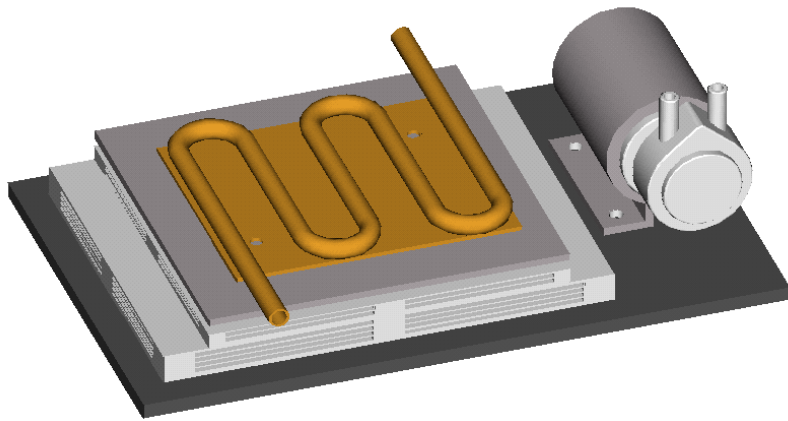
Objectives

- (1) To develop a device to cool a person during strenuous physical activity
- (2) To improve performance compared to current personal cooling devices relative to: cooling effectiveness, comfort (weight, fit, and noise), cost, and aesthetics

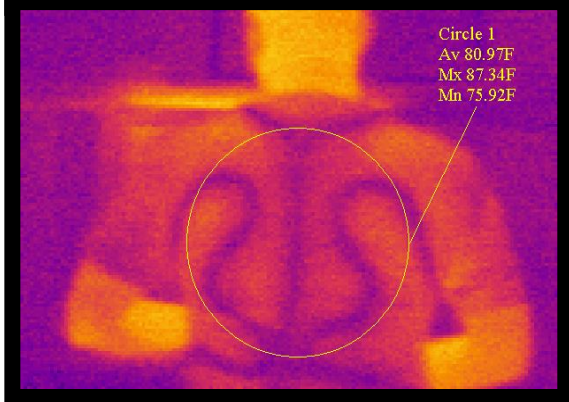


How it Works

System uses water which is supplied by a miniature pump into a flexible tube fitted into a shirt. Cooling is achieved by a thermoelectric cooler powered by an 18 volt rechargeable battery pack.



Front



Back

Thermal Images of Cooling Shirt

