



Patrick Air Force Base

Customer: Aquarii Services, Inc.

Category: Solar Thermal Panels and Tankless Water Heaters

Application: Dehumidifying Desiccant Wheel used for Drying Parachutes



U.S. AIR FORCE



Parachute Drying Facility



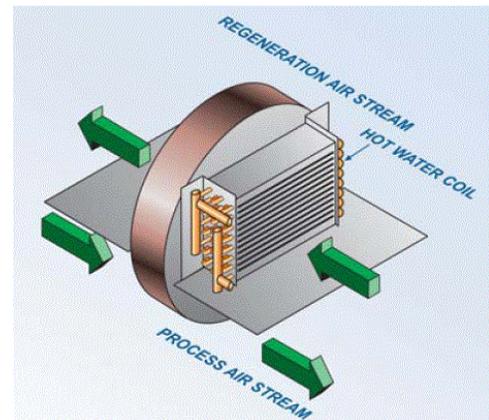
Parachutes Drying



Solar Thermal Panels

The Challenge: Aquarii's highly innovative dehumidification system was installed at the Patrick Air Force Base's parachute drying facility to reduce drying times and save on energy costs. Utilizing a desiccant wheel the system saves energy during the day by circulating solar heated water through the heat exchange coil that's used to regenerate the desiccant wheel. During the night tankless water heaters provide the backup energy source.

While the installation met all the goals set, high temperature solar thermal and tankless water heaters are susceptible to scale deposition and this posed a threat to the life and efficiency of the system.



The Solution: Following extensive research Aquarii Systems, Inc selected the Fluid Dynamics 1" Scaleton to prevent scale deposition in their system.

Results: The system remains free of scale deposition to this day.

Customer's Comment: *"The Fluid Dynamics Scaleton was the perfect fit for a maintenance free, no energy, green solution to protect this valuable high performance equipment. The ease of installation and the small footprint made for a perfect addition to our innovative renewable energy system."*

