

PRECISION DELIVERY HEAT TRANSFER SYSTEM



Innovative design permits using existing chilled water source to provide precise cooling of critical processes and equipment.



Photographed before final insulation.



**Optional
City-Water
Switchover!**

Provide precise cooling for critical equipment yet utilize existing chilled water source.

High technology equipment often requires chilled water cooling. The chiller equipment needs to provide close control of temperature variation, consistent flow and constant pressure - things a traditional plant chilled water system can rarely do consistently. ArctiChill has a solution that utilizes NO refrigeration. Combining a thermal mass tank of water, a plate and frame heat exchanger and accurate thermostatic mixing methods and controls, the system provides highly accurate chilled water cooling to meet or exceed OEM specifications. It simply rejects the heat from sensitive equipment to the plant chilled water system and provides outlet water temperatures to within 5 degrees of the facility chilled water source.

- **CLOSE CONTROL** - Engineered thermostatic and electronic controls assures steady and consistent delivery of liquid to cool critical equipment and processes. Provides close control of flow rate, temperature and pressure of liquid while rejecting heat to existing chilled water system. Designed to deliver liquid within 5 degrees of the heat rejection source.
- **SIMPLE DESIGN - EXCELLENT PERFORMANCE** - Designed with premium grade, non proprietary components for reliability and serviceability. All non-ferrous insulated piping. Can be built for fresh water or DI water use. Includes cleanable plate and frame heat exchanger and filter cartridge. Compact frame is structural steel. Removable panels are all aluminum, powder coated both sides - durable and attractive.
- **OPTIONAL AUTOMATIC BACKUP** - Models can include internal city-water switchover. System is designed to automatically switchover the cooling to the city water source in the event of the facility chilled water failure, or internal system failure. Optional designs allows switchover to backup chiller. Remote chiller can be designed to maintain a set point and perform periodic line purges. Options include redundant lead/lag pumps, special filtration and controls.