

SULFURIC ACID COOLER

Design • Engineering • Manufacturing • Consulting • Project Management

APEX is a major designer and manufacturer of high efficiency Anodically Protected Shell and Tube Acid Coolers.

Our team consists of specialized personnel in project management, thermal-design engineering, and sales engineering, combined with extensive heat-transfer experience.

We utilize state-of-the-art tools such as HTRI, ASPEN, PV ELITE and AUTOCAD. Over the years, we have developed and utilized proprietary design features such as baffles and cathode supports to ensure and maintain passivation and pressure drop requirements.

Anodically Protected



APEX's highly-efficient Anodically Protected Acid Coolers are protected from the hot concentrated sulfuric acid by an advanced anodic protection system developed by our partner **Corrosion Service**. They have been a leader in the science of corrosion prevention since its inception in 1950. A properly applied anodic protection system will minimize general corrosion and prevent hydrogen grooving of all immersed surfaces. The added benefit of reduced iron pick up will help maintain acid purity.

Our strict quality control and advanced welding techniques are the key to ensure that the mechanical design is manufactured to the highest quality standard and guard against failures.

APEX utilizes Automatic Orbital Welding to ensure the most consistent and highest quality welds in the industry.



Apex Engineered Products, Inc., 2659 Lake Road, Clark, PA 16113
www.apexep.com • sales@apexep.com • 724-962-8717 • United States

ASPEN • PV ELITE • AUTOCAD • CONTROLLED CURRENT SOURCE