

# NIAGARA BLOWER SOLUTIONS

## **What is WSAC®?**

*The Wet Surface Air Cooler is a closed-loop, evaporative cooling system.*

*Wet Surface Air Coolers are optimized for industrial applications where rugged design/fabrication and cost effective efficient closed-loop cooling/condensing are required.*

### **Applications:**

Liquid Cooling  
Gas Cooling  
Vapor Condensing

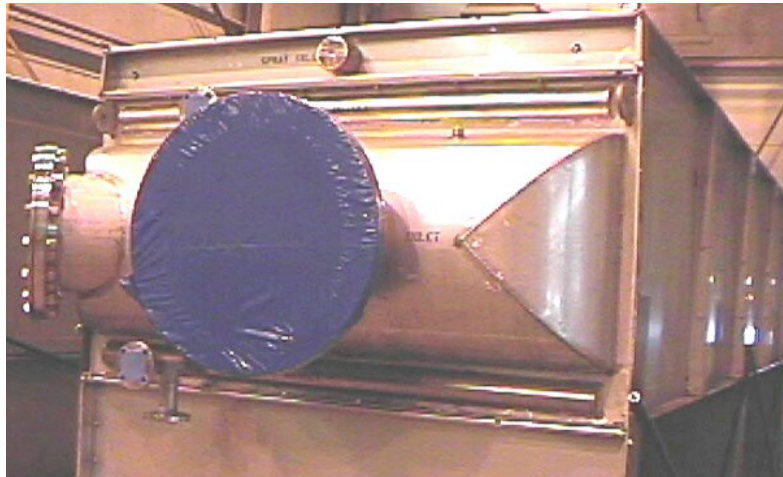
### **Industries:**

Refining  
Power  
Wastewater  
Pulp & Paper  
Metals  
Mining  
Food/Beverage

## CASE STUDY

## **NIAGARA WSAC® VAPOR CONDENSER FOR SPECIALIZED GELATIN PROCESS**

Customer: **FILM MANUFACTURER**  
Installation Location: **NEW ENGLAND**  
Application: **VAPOR CONDENSER DESIGNED FOR COOLING AND PRODUCT RECOVERY**



## **WSAC® ADVANTAGES**

- Condensing gelatin-laden vapor stream for optimum product recovery of high grade gelatin for the photographic film industry
- Unit partitioned with individual right/left spray systems to allow operating flexibility
- Basin heaters for standby operation and freeze protection
- Stainless steel tube bundle for high purity product concerns
- Enhanced non-condensable section above the main condensing section to further recover valuable gelatin product
- Shipped in three large sections for easy installation on rooftop location
- Additional access flange for easy inspection of bundle
- Subcooling section located below the condensing bundle to lower the product temperature below the condensing temperature



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