

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:

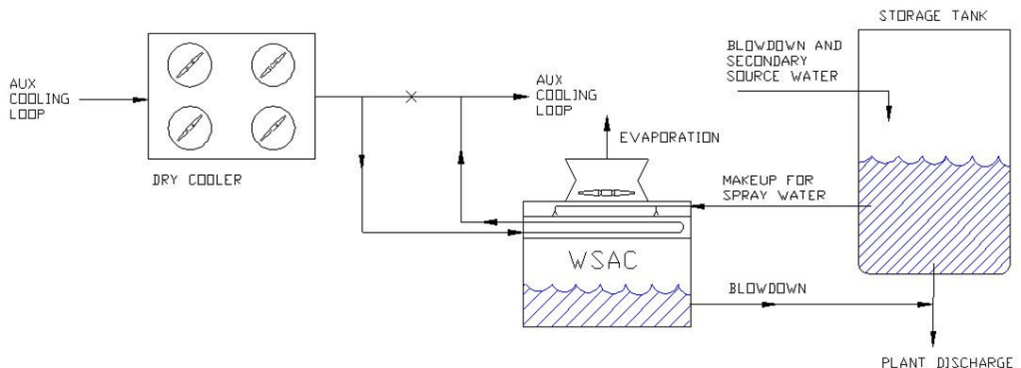
Refining
Power
Wastewater
Pulp & Paper
Metals
Mining
Food/Beverage

NIAGARA BLOWER WSAC® AUXILIARY LOOP COOLER

Customer: **POWER PLANT**
Installation Location: **SOUTHEASTERN U.S.**
Application: **LOWERING AUX LOOP TEMPERATURE IN A THERMALLY CHALLENGED PLANT**

THE CHALLENGE Plant could not maintain aux loop temperature during summer months with a dry cooler.

THE SOLUTION Install a closed-loop, evaporative Wet Surface Air Cooler to reduce loop temperature to acceptable limits. The WSAC® is designed with an approach to wet bulb (as close as 5 - 10 deg F), and can provide significantly cooler outlet temperatures than air cooled units.



WATER CONSIDERATION

By using blowdown from other sources for the WSAC spray water makeup, **no additional "purchased" water was required.** In addition to a cooler loop

temperature, the WSAC evaporative effect reduces the quantity of water that needs to be treated and discharged from the plant.

For more information about this as well as other WSAC applications, please contact our factory office.



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