

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:

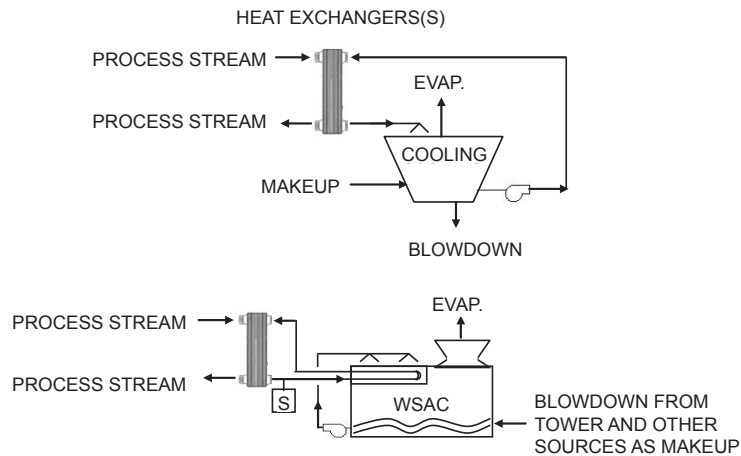
Refining
Power
Wastewater
Pulp & Paper
Metals
Mining
Food/Beverage

WSAC® PREVENTS HYDROCARBON LEAKS INTO COOLING WATER LOOPS

Customer: **INTERNATIONAL PETROCHEMICAL REFINERY**
Installation Location: **SOUTHERN U.S.**
Application: **PREVENTING HYDROCARBON LEAKS INTO COOLING WATER LOOPS**

THE CHALLENGE Leaks and failure in heat exchangers can allow hydrocarbons or other environmentally dangerous components into the open cooling tower stream. This can cause explosions/fires and also contaminants discharging into the environment.

THE SOLUTION A “typical” solution is to replace the heat exchanger with a costly “double-wall” type (which still does not guarantee zero discharge). Instead, customer installed a closed-loop WSAC® cooler. A sensor in the secondary loop monitors for any leaks. Any material leaking from the process will stay within that closed loop and not be exposed to the atmosphere.



WSAC® ADVANTAGES

- Essentially eliminates the environmental risk
- Reduces the water purchased and discharged at the facility
- Makeup to the WSAC can be from almost any source

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



91 Sawyer Avenue, Tonawanda, NY 14150 ~ Phone: (716) 875-2000 ~ Fax (716) 875-1077
sales.niagarablower@alfalaval.com / www.niagarablower.com