

High Efficiency Cooling Systems for Natural Gas Recovery, Transportation, and Processing Applications

Niagara Blower Heat Transfer Solutions is the world leader in closed-loop, evaporative Wet Surface Air Cooler (WSAC™) fluid cooling and vapor condensing systems.

Niagara Blower offers engineered solutions for the following applications:

EXPLORATION

Drilling mud cooling units for on- and offshore exploration activities

GATHERING AND TRANSMISSION

Multistage compressed gas cooling units (3000+ psi)

CO₂ SEQUESTRATION

Cooling supercritical CO₂ streams

GAS PROCESSING AND NGL

High efficiency refrigerant condensing
Reflux gas and fluid coolers

WATER CONSERVATION

Using produced water as spray makeup
Reducing water quantity through evaporation



WSAC systems offer many advantages including:

- Coldest outlet process temperature
 - Lower pressure drop
 - Reduced parasitic HP requirement
 - Ability to use poor quality water
 - Less plot space
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Recent customers include:

Anadarko	Denbury	Chaparral	DCP
Samson	ExxonMobil	Enterprise	Suncor



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