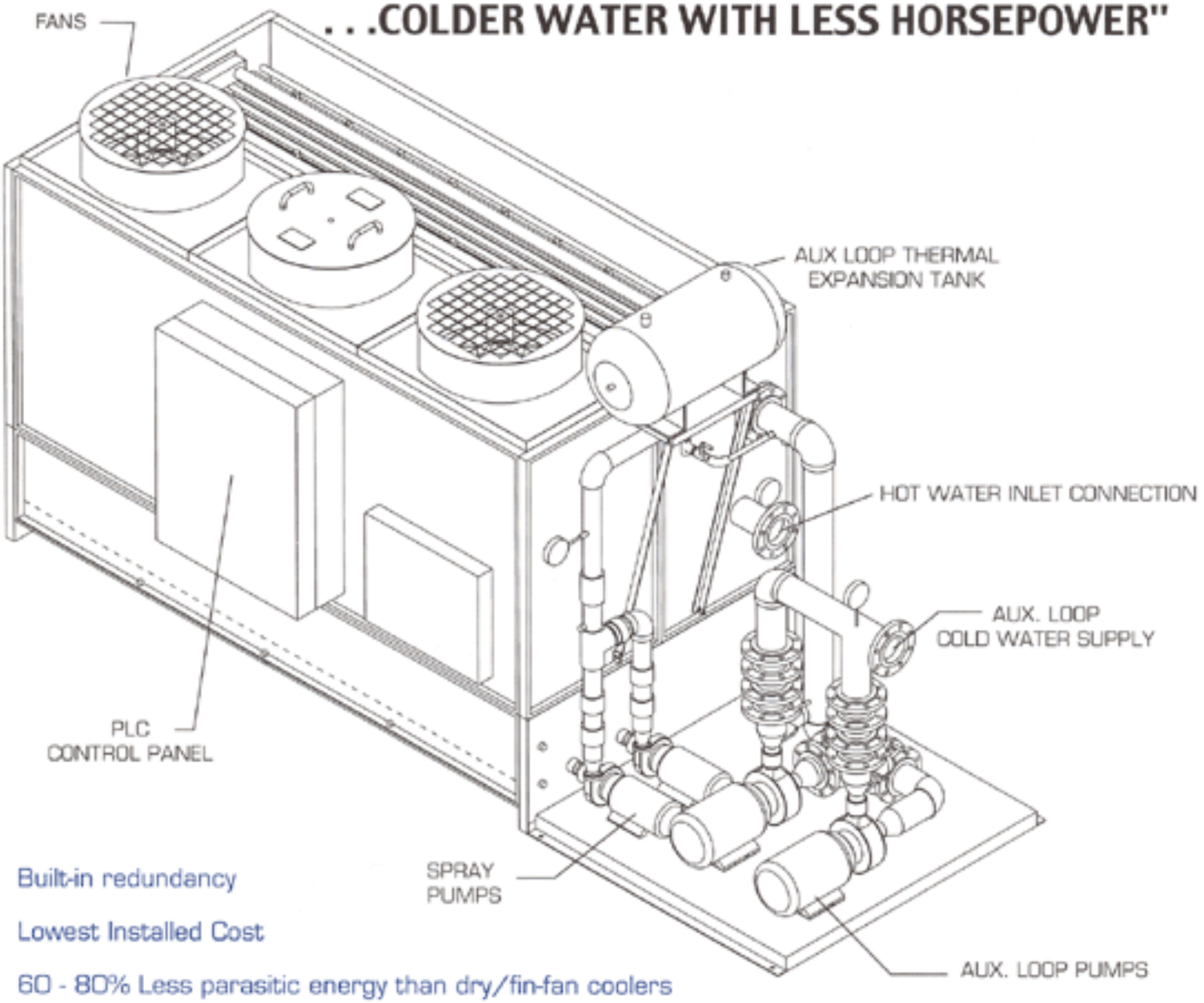
Niagara Blower Company
(Since 1904)

PACKAGED AUX COOLING LOOP WET SURFACE AIR COOLER

For Simple Cycle Gas Turbines

"MORE POWER FOR LESS MONEY. . .
. . .COLDER WATER WITH LESS HORSEPOWER"



- Built-in redundancy
- Lowest Installed Cost
- 60 - 80% Less parasitic energy than dry/fin-fan coolers
- Built to power industry standards
- Packaged for "Plug & Play" installation and start-up
- Lowest possible fluid outlet temperature
- Smallest footprint
- Light weight . . . slab-on-grade support

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The Niagara Auxiliary Cooling Loop Wet Surface Air Cooler (WSAC) is specifically designed for smaller packaged gas turbines. It provides a cost-effective alternative for owners and developers . . . BETTER, FASTER, AND AT LESS COST.

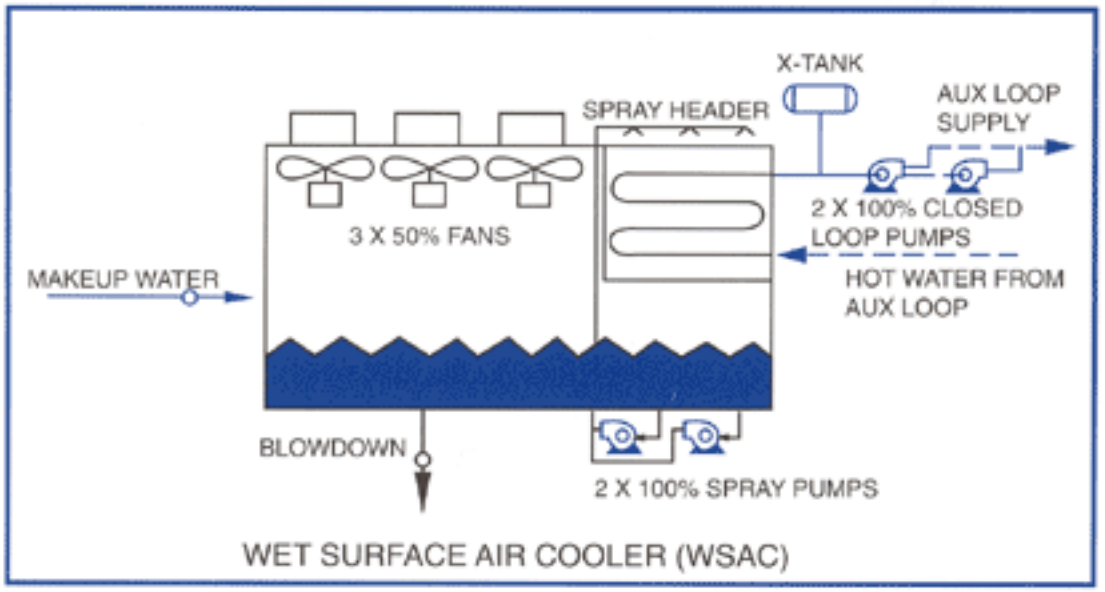
Features:

- closed loop design
- built for 25 - 200 MW turbines
- compact, skidded assembly
- pre-wired, pre-piped for ease of installation

The advantages of a WSAC over dry / fin-fan coolers are:

- 60 - 80% less parasitic energy use
- smallest footprint / light weight
- lowest installed cost
- simple installation
- lowest process fluid outlet temp
- less noise

- full redundancy
  - 3 x 50% fans
  - 2 x 100% closed loop pumps
  - 2 x 100% spray pumps



WET SURFACE AIR COOLER (WSAC)

SAVINGS USING WSAC vs DRY / FIN-FAN COOLERS

	Case 1 50 MW 200 GPM	Case 2 186 MW 3100 GPM
CAPITAL COST SAVINGS ($)	20%	47%
HORSEPOWER SAVINGS (HP)	80%	60%
SMALLER FOOTPRINT (SQ FT)	55%	79%

NOTE: The WSAC can provide 90° - 95° F supply water at peak ambient conditions.

673 Ontario Street • Buffalo, New York • 14207 • 800-426-5169 • Fax: 716-875-1077
www.niagarablower.com