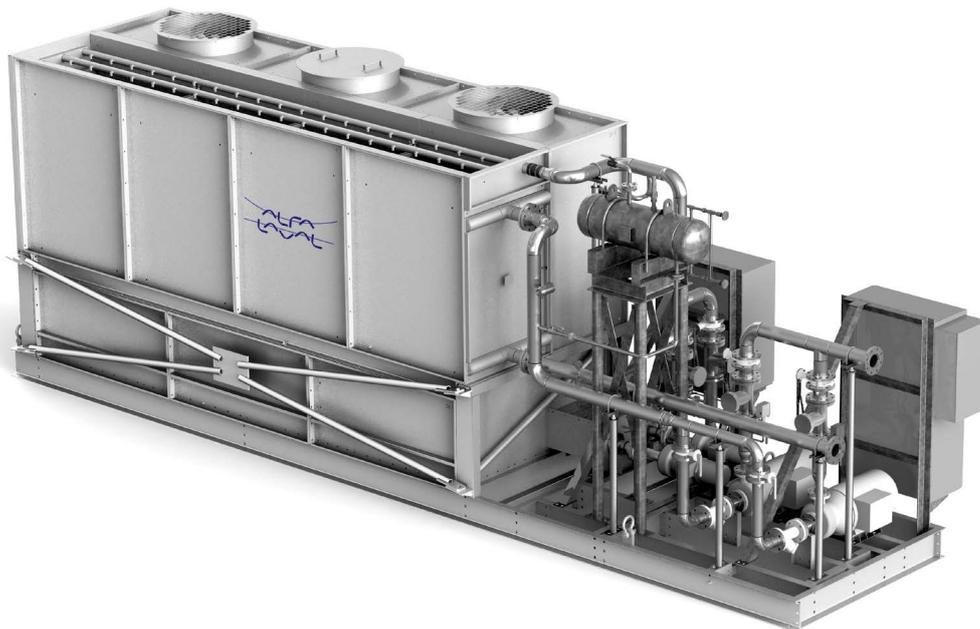




Alfa Laval Niagara Wet Surface Air Coolers (WSAC)

Services for packaged systems



Services for sustainable operation

Alfa Laval offers a wide range of services for your WSAC cooling system. Our equipment specialists support you throughout its entire service life and help ensure sustainable operation with minimal environmental impact.

We provide all the services you need for installing, commissioning and maintaining your Alfa Laval Niagara WSAC system. Through our audit and upgrade services, our process and equipment specialists can help you reduce water and energy consumption, secure uptime and optimize costs.

We offer the following services:

- Spare parts
- Troubleshooting
- Training
- Installation and commissioning supervision
- Performance audits
- Condition audits
- Equipment upgrades

Spare parts

All components in your WSAC system have been carefully selected for durability and safe operation. We therefore strongly recommend that you only use original spare parts provided by Alfa Laval. By using spares from other suppliers you may compromise operating reliability and uptime.

Alfa Laval can provide you with any necessary spare part required to maintain your WSAC system. Since all systems are custom designed, some critical spare parts may have long lead times, e.g. gearboxes, fans, motors and pumps. We are happy to recommend which spare parts you should keep in stock to avoid unnecessary downtime.

Troubleshooting

Our service technicians are available via phone 24/7 when you need assistance. And in case your problem cannot be solved remotely, they can help you on your site within a couple of days.

Training

Well-trained operators and service technicians are a prerequisite for safe operations and low operating costs. Properly trained staff can better monitor the performance of your equipment and know which actions to take if issues arise. In addition, your maintenance stops will be faster when your service staff is trained in the correct handling of the equipment.

With continuous training you make sure new and existing personnel have the right know-how. We are happy to support you with customized training in safe operating practices, system checks and maintenance procedures.

Installation and commissioning supervision

Correct installation and commissioning of a WSAC system is crucial for its performance and reliability. Examples of problems that may occur because of incorrect installation include leaks due to insufficient sealing, uneven water spray coverage and incorrect pitch or tracking of the fan blades.

Having one of our service engineers supervise the installation and commissioning of our systems ensures your new equipment is correctly installed and tuned for high cooling efficiency and maximum uptime.

Performance audits

During a performance audit one of our WSAC experts makes an onsite evaluation of the performance of your equipment and gives you valuable advice on how you can improve operations. This can result in lower water and energy consumption, increased cooling capacity, optimized maintenance and better reliability.

You will also receive information on possible upgrades (tube materials, control systems, spray systems, drift eliminators, etc.) and how they can benefit you.

Condition Audits

A condition audit gives you full insight into the condition of your WSAC cooling system. During one of your scheduled maintenance stops, our equipment specialists make a thorough inspection of your system. You receive detailed advice on how to optimize performance, recommendations on



which maintenance actions to prioritize and information about possible upgrades.

A condition audit helps ensure high performance, maximum uptime and low service costs. The audit covers all parts of your system (tubes section, fan, spray system, basin, etc.) and we can also help train your staff as a part of this service.

Equipment upgrades

An upgrade is often a cost-efficient way to meet new requirements when operating conditions change. Such upgrades could for example be a stainless-steel replacement coil, an upgraded spray system or a new fan section.

Our equipment experts help you through the entire process from analysis to installation. With long experience from demanding cooling applications they help you find the optimum solution for your upgrade in terms of performance and total cost of ownership.

Learn more about our services for Alfa Laval Niagara WSAC systems at: www.alfalaval.com/wsac/service

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