

Complete cooling performance

Air cooled exchangers for the gas compression and gas processing markets





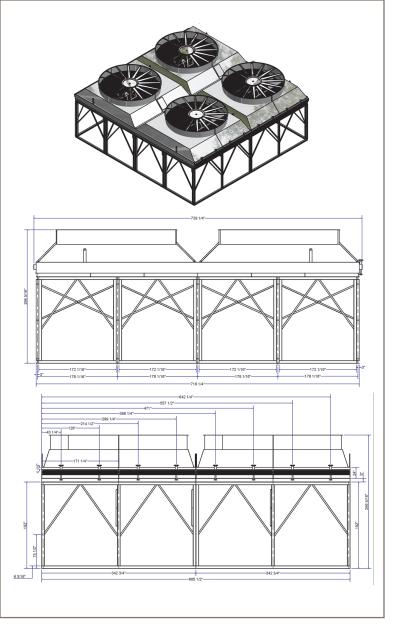
Air cooled exchangers for the entire supply chain

Alfa Laval ACE air cooled exchangers provide unmatched cooling performance for the entire oil, gas and power supply chain. For over 50 years, these air cooled exchangers have been custom-designed and manufactured for upstream, midstream and downstream applications – specifically in the gas compression and gas processing markets. With custom coolers available for a wide range of capacities and duties, the Alfa Laval ACE product range offers robust, rugged and efficient cooling solutions that outperform other models, and consistently earn the confidence of our customers time and time again.

With the global strength and reach of Alfa Laval, the ACE air cooled exchangers are a key part of an even more comprehensive array of heat transfer products for cooling air, natural gas, oil and water. Alfa Laval's longstanding history in the heat transfer market, combined with additional investments and capability enhancements, help to ensure Alfa Laval ACE products will provide an even more robust, highly engineered air cooled exchanger solution. With our global capabilities, we leverage worldwide resources to help reduce delivery times and overall equipment costs. We offer service and support around the clock for the complete Alfa Laval ACE air cooled exchangers range – helping to deliver peace of mind regardless of our customers' location.

Expertise and know-how:

- Dedicated sales team expertly skilled in all air cooled heat exchanger configurations
- Flexible engineering team producing detailed models and drawings
- Efficient operations team focused on safety, quality and delivery
- Optimized performance advanced service and support resources for maximum uptime





Advanced capabilities

Alfa Laval ACE air cooled exchangers continuously meet and exceed our customers' expectations – and these proven solutions are supported by our advanced sales, engineering, operations and service capabilities.

Experienced sales resources

With decades of experience, our sales team has the expert knowledge to ensure the optimal air cooled exchanger is matched and designed to meet your specific duties. With a streamlined quotation process, and an in-house proprietary rating program, Alfa Laval quickly and efficiently customizes the right air cooled exchanger – providing our customers with fast, accurate quotes and specifications.

Cutting-edge engineering

Our extremely flexible engineering team utilizes proprietary drawing and sizing technology to reduce lead times, and rapidly produce detailed 3D AutoDesk Inventor models and accurate drawings – supplying customers with advanced engineering information.

Efficient operations

To meet the quick deliveries that our customers demand, we manufacture nearly all of the components that go into our coolers – including not only the structure and headers, but also the louvers and high-performance fin-tubes. With additional factory investments and enhancements, Alfa Laval will continue to advance our manufacturing capabilities to supply customers with high quality air cooled exchangers, while also helping to reduce their overall investment by leveraging our global purchasing and sourcing capabilities.

Unmatched service and support

The strength of Alfa Laval's worldwide service network enhances our dedication to the service and support for the ACE range of air cooled exchangers. With service and support available 365 days a year, our customers benefit from added peace of mind around the clock. Alfa Laval helps to extend performance, deliver maximum uptime and optimization, and offer a suite of innovative performance agreements and service solutions.

Extensive line of air cooled exchangers

Custom-designed to meet specific customer specifications, Alfa Laval ACE air cooled exchangers are engineered for the upstream, midstream and downstream oil and gas markets. All models feature a rugged design with superior welding and construction quality ensuring ultimate cooling performance.







Alfa Laval ACE Model A

- Vertical, sloped section(s) and fan with vertical air ejection
- Sloped sections provide an optimized center of gravity for safer loading and transport
- Available aluminum fan guard for increased maintenance safety and weight reduction

Alfa Laval ACE Model C

- Vertical section(s) and fan with horizontal air ejection
- Economical and compact alternative to vertical air ejection models
- Maximum cooler section access and serviceability

Alfa Laval ACE Model E

- Horizontal section(s) and fan(s) with vertical air ejection
- Available in single fan to four fan configurations
- Available aluminum fan guard(s) for increased maintenance safety and weight reduction
- VFD capable electrical drive design allows controlled power consumption

▶ Alfa Laval ACE Model E+

- Horizontal section(s) and horizontal fan(s) with vertical air ejection
- Available in forced or induced draft configurations
- Low fan to bay ratio greatly reduces the number of mechanical components requiring routine maintenance
- Symmetrical "half bay" plenums and modular sub-structure design mitigates traditional shipping and site erection challenges



Alfa Laval ACE Model J

- Vertical section(s) and fan with vertical air ejection
- Maximum cooler section access and serviceability
- Directional plenum allows efficient airflow transition from horizontal to vertical



Alfa Laval ACE Model T

- Horizontal section(s) and vertical fan(s) with vertical air ejection
- Available in single fan to five fan configurations
- Available aluminum fan guard(s) for increased maintenance safety and weight reduction
- Relatively narrow width enables increased transportability



The optimal air cooled exchanger for oil and gas applications

			Model A		Model C		Model E		Model J		Model T		
			-				FIF						
Applications													
Upstream	SAGD				•		•						
	CPF						•						
	Upgraders						•						
	Field Compression		•		•		•		•		•		
Midstream	Compressor Stations		•		•		•		•		•		
	Gas Processing		•		•		•		•		•		
	Gas Fractionation						•						
	LNG						•						
E	Refineries		•		•		•						
Downstream	Petro-Chemical		•		•		•						
	Gas Fired Power				•		•						
ă	CNG		•		•		•		•				
Configurations			1										
Forced Draft		Induced Draft	•		•	•	•	•		•	•		
Engine Driven		Motor Driven	•	•	•	•		•	•	•	•		
Air Ejection		Vertical		Horizontal		Vertical		Vertical		Vertical			
Hot Air Recirculation		•		٠		•			•				
Painted Galvanize		Galvanized	•	•	•	•	•	•	•	•	•	•	
Fan Diameter Range			2'-14'		2'-10'		2'-34'		2'-14'		2'-14'		
Тур	Typical Engine Driven HP			50-1500 HP		50-400 HP				50-800 HP		50-4,500+ HP	

Applications:

Configurations:Majority of models built

Heavy usage in industryPresence in industry

• Option for model

Industry leading technologies

The Alfa Laval ACE air cooled exchanger range is a key addition to Alfa Laval's complete heat exchanger portfolio. The range is part of an extensive line of heat transfer, separation and fluid handling technologies. These solutions help our customers to heat, cool, separate and transport products in a wide range of industries, in more than 100 countries around the world.

Heat exchangers

We manufacture a comprehensive range of heat exchangers that are designed to optimize energy utilization, while minimizing downtime. Our heat transfer solutions are efficient and durable – and suited for heat transfer and heat recovery applications.



Wet Surface Air Coolers (WSAC)

The Niagara range of Wet Surface Air Coolers are efficient and durable closed-loop, evaporative coolers and condensers, used in liquid cooling, single phase gas cooling and turbine exhaust vacuum steam condensing applications. Each WSAC cooler or condenser is custom-designed to fit the specific application, and are tailored to meet the unique needs of the most demanding applications.

Separators

From high-speed separators to efficient decanter centrifuges, filters and strainers, Alfa Laval manufactures advanced products to separate liquids from other liquids, solid particles from liquids, as well as particles from gases.



Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval

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