



This is Alfa Laval

Alfa Laval is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress – always going the extra mile to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day. It's all about *Advancing better*...

How to contact Alfa Laval

Contact details for all countries are continually updated on our web site. Please visit www.alfalaval.com to access the information.





Partner with Alfa Laval to become best in class

With our unique wealth of experience, our dedication to finding innovative new heat transfer solutions with greater efficiency and lower energy consumption, and our global manufacturing and distribution network, Alfa Laval is your ideal partner.

Growing our businesses together

Becoming an authorized Alfa Laval distribution partner provides you with tools and support that aid in growing your business from new and existing customers.

Alfa Laval offer various levels of support depending on the scale of your business, how closely you wish to work with Alfa Laval and your ambitions for the future. Each level boosts your business by offering tools and tailored support for your day-to-day work. We offer a variety of training programs, sales-supporting web tools, marketing materials, and much more.

Support for competitive power

Alfa Laval Anytime is our eBusiness portal for partners. Find, calculate, customize and order your Alfa Laval products with just a few simple clicks, 24/7. The tool is always up to date and provides real-time stock count as well as track-and-trace functionality.

The Alfa Laval Product guide

The online product guide helps you or your customers to quickly find the right heat exchanger at the right capacity within 5 clicks. All products are available for immediate shipping.

Alfa Laval Partner Academy

As an Alfa Laval partner, you get access to a highly specialized learning centre backed by the resources of a global market leader. Our online or classroom training programs will boost your sales and service proficiency up to its full potential. We offer you product and application knowledge with a commercial approach, hands-on demonstration of technical features and analysis of specific sales points.



Alfa Laval offers product specialists within applications such as

- Air conditioning (chillers, absorption chillers and VRFs)
- Heat pumps
- Boilers
- Solar heating
- Domestic hot water
- Process cooling

- Fuel cells
- Combined heating and power
- Air dryers
- Air compressors
- Oil cooling
- Transport refrigeration
- Wind power

- Vending machines
- Engine cooling
- Engine oil and fuel filtration
- Heat recovery
- Industrial refrigeration
- Commercial refrigeration

Three innovative solutions that break barriers

High Resistance / Innovation



Alfa Laval's unique brazed gas-to-liquid design supports much higher temperatures than traditional plate heat exchangers. Our standard models handle gas temperatures up to 750°C, with temperatures above 1400°C possible for special applications.

DynaStatic Design / Flexibility



This breakthrough production method gives you complete freedom to design the perfect refrigerant distribution system for your products. Whatever placement, size and number of distributors you want, we can produce it.

FlexFlow Design / Efficiency



Our range of asymmetrical flow patterns unlock new levels of efficiency. We don't believe in a one size fits all approach – we develop new asymmetrical patterns tailored by application. This means refrigerant volumes, gas volumes and pressure drop can be optimized according to the duty in question.

Product scope

Evaporators

In evaporator duties, a brazed plate heat exchanger (BHE) can be optimized by varying the channel plate characteristics and adding a distribution system. The distribution system provides a uniform distribution of the refrigerant throughout the heat exchanger. This ensures high performance and stable superheating under variable conditions. Though designed to operate with typical heat fluxes, Alfa Laval's distribution systems can be adapted to higher and lower heat-flux conditions as well.

Condensers

Alfa Laval offers a range of BHEs optimized as condensers. They feature specially-designed channel plates combining different corrugation angles, pressing depths and asymmetric channels. This makes them suitable for a wide variety of heat-pump duties – from water heaters and micro-heat pumps to residential and commercial systems.

Economizers

The small footprint and versatile configurations of Alfa Laval's BHEs make them easy to optimize for economizer duties.

Oil Coolers

Alfa Laval's BHE series of dedicated oil coolers, DOC range, offer unparalleled efficiency for hydraulic and lube oil cooling. The extra sturdy construction is fast and easy to install due to special connection blocks that decrease stress on the standard connection by 80%.

Gas Coolers

Alfa Laval is leading the development of new technologies for green cooling with natural refrigerants such as CO2 and propane. Alfa Laval offers the widest range of high-pressure heat exchangers, which are not only more efficient, but also more reliable as well as safe for the environment and the people working around them.

Gas-To-Liquid Duties

For challenging gas cooling applications, Alfa Laval's unique portfolio of gas-to-liquid plate heat exchangers is an ultra-compact, high-efficiency solution that handles very high temperatures with very low pressure drop.



The Alfa Laval advantage

Alfa Laval offers a complete range of brazed and fusion bonded heat exchangers.



A brazed plate heat exchanger is very compact compared to other heat exchangers for similar applications, meaning less refrigerant is needed.

Alfa Laval's portfolio of brazed gas-to-liquid plate heat exchangers offer an ideal solution for heat recovery within combined heat and power, as well as for air compressor and charge-air cooler duties. Engineered for high efficiency in asymmetric gas applications, they can also tolerate much higher temperatures than other heat exchangers.

AlfaNova is a range of fusion-bonded, all-stainless-steel heat exchangers. They are ideal in situations involving media that is corrosive or very sensitive to contamination of copper or nickel. heat exchanger is unique to the customer, with a unique

All BHE units are pressure tested and labelled to comply with all major industry approvals (PED, UL, Chinese PV, KHK, KRA, every unit is gas tight.

Alfa Laval also offers the widest range of AHRI certified heat exchangers which means that performance is guaranteed by an acclaimed third party global HVAC organization.

Alfa Laval can optimize the BHE according to specific applications and system requirements. Each optimized article number. Customers can be safe in the knowledge that Alfa Laval uses all its know-how to optimize their products.

and CRN). They are also leak tested with helium to ensure that Continuous innovation and product development are ensured by Alfa Laval's in-house laboratories available at all production sites. All developments and solutions are validated before being offered to customers.





Total support – with value-adding options to fit your needs



REFuture

A future-proof investment for tomorrow's refrigerants



Flexible refrigerant



100% stainless steel





	GLX30	GL50	GL80	GL100	GL150	AXP10/14	CB10	CB11	CB16	AC16	CB18 (CBH18DW	AC18	CB20	CB24	AXP27	CB30	AC30	AC40	AXP52	CB60	CB62	CB65	AC70	AC73	AC74	CB90DW	CB110	CB112	AXP112	CB200	CB210	AC220	AC230	AC232	AC240	CB400	CB410	AC500	AC502	AC1000	AN14	AN18	AN27	AN52	AN76	AN200	AN400	CD100	CD200 CD300
Evaporator										Х			Х		Х			Х	Х	х	Х	Х	Х	х	Х	Х			Х	Х			Х	Х	Х	х			Х	Х	х	Х	Х	Х	Х	Х	Х	Х		
Condenser						Х				X		X	Х		Х	Х	Х	X	Х	Х	X	X	X	Х	X	Х		Х	X	Х		Х	Х	х	X	Х		Х	X	X	Х	Х	X	Х	X	X	Х	Х		
Economizer						Х				X			Х					X	Х		X			X		X							X	X	X	X			X	Х		Х		Х	X	Х				
Oil cooler							Х	Х	X				Х	Х			Х				X						Х	Х	x		X	X					Х	Х				Х	X	Х	Х	Х	Х	X		
Desuperheater												X	Х				Х				Х						Х	Х				X																		
Gas-to-liquid optimized	X	Х	Х	Х	Х																																													
Tap Water Heating							X	X	X		Х	X		Х	X		X				Х	Х					Х	Х	X		X	Х					Х	Х					X	Х	Х	Х	Х	X		
AHRI approval (AQ-series)									X		Х	X		Х			Х				X						Х	Х	X		Х	Х					Х	Х				Х	X	Х	Х	Х	Х	Х		
Intermediate Heat Exchanger							X	Х	X		Х	X		Х	X		X				Х	X					Х	Х	X		X	Х					Х	Х				X	X	Х	Х	Х	Х	X		
Dimensions, mm (width, height)	122/277	123/278	216/363	300/710	300/710	76/190	73,5/191,5	74/192	73,5/209,5	73,5/209,5	73,5/315,5	76/314	73,5/315,5	94/324	75/392	160/362	113/313	95/325	121/332,5	160/582	113/527	113/529	120,5/535	111/526	113/529	158,5/492	195/491	191/616	191/616	252/685	324/742	324/742	190/616	250/490	250/490	286/525	390/990	490/793	322/739	322/739	487/817	77/207	80/320	111/310	111/526	191/618	324/742	390/990	74/210	113/313 248/488
Dimensions, inches (width, height)	4,8/10,9	4,8/10,9	8,5/14,3	11,8/28	11,8/28	3/ 7,48	2,89/7,54	2.91/7.55	2,89/8,25	2,89/8,25	2,89/12,42	2.99/12.36	2,89/12,42	3.70/12.8	3/15,4	6.30/14.3	1.45/12.32	3.74/12.80	1.76/13.09	6,3/22,9	4.45/20.74	4.45/20.83	4.74/21.06	4.37/20.71	4.45/20.83	6,24/19,37	7,7/19,33	7.52/24.25	7.52/24.25	9,92/26,97	12.76/29.21 1	2.76/29.21 7	7.48/24.25	9.84/19.29	9.84/19.29	11.25/20.67	5.35/38.98	19,3/31,2 1	2.68/29.09	12.68/29.09 19	9.17/32.17	3.03/8.15	3,15/12,6	4,37/12,2	4.37/20.71	7.52/24.33	12.76/29.21	15.35/38.98	2.91/8.27	1.45/12.32 9.76/19.21
Design Pressure (BAR)	11	26	26	17	21	146	10/32	10/32	10/32	32/45/56	10/32	32/43	32/45/49	16	32	130	32/45/53	32/45	32/48/56	130	32/45/60	32/48/49	32/48	32/45/55	48	32/49	16	32/48/49/60	32/48/60	140	25/32	16/25	32/48/60	32/45	32/45	32/45/49	27	16/25	32/45	32/45/49	48/49	23	25	25/40/60	25/40/60	25/36	18/32	19/28	32	32/45 16
Design Pressure (PSI)	160	377	377	247	305	2117	145/464	145/464	145/464	464/653	145/464	464/624	464/653	232	464	1885	464/653	464/653	696	1885	464/653	464/696	464/696	464/653	696	464/710,5	232	464/696	464/696	2030	363	232/363	464/696	464/653	464/653 4	164/653/711	392	232/362	464/653	464/653	696	334	363	363/580/870	363/580/870	363/522	261/464	276/406	464	464/653 232
Max temperature	750	750	750	750	750	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	550	550	550	550	550	550	550	225	225 225
Single or Dual Circuit						Single	Single	Single	Single	Single	Single	Single	Single	Single	single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Single	Dual	Dual	Single/Dual	Single	Single	Single/Dual	Dual	Dual	Single	Single	Single	Single	Single	Single	Single	Dual	Dual Dual
Distribution System available															Х	Х	X	Х	Х	Х	X	Х	Х	Х	Х	X			X	X			Х	Х	Х	X			X	Х	Х			X	X	X				
Asymmetric plates available	Х	Х	Х	X	Х		Х	Х	Х	X	Х		Х		Х				Х			Х	Х		X	Х			X			Х	Х			Х		Х		X	Х		Х							
High Efficiency	Х	Х	Х	Х	Х			Х							Х							Х	Х		Х	Х			X				Х			Х				Х	Х									
Hydroblock							Х	Х	Х		Х										X																						Х							
Multipass	х	Х	Х	X	X				Х		Х			Х			Х				Х							Х	X		X	Х					Х	Х				Х	Х	Х	Х	Х	Х	Х	Х	x x
Marine Approvals																																	X	Χ	Χ	X	Χ				Χ									X

^{*} Please note that the table is a reference. Always check actual designs and dimensions before order.

^{**} AN-XX is a the AlfaNova range of fusion-bonded, all stainless steel heat exchangers.