



Brazed plate heat exchangers

**Smaller, lighter, stronger
and more efficient**



Alfa Laval Brazed Heat Exchanger range

Technical Data



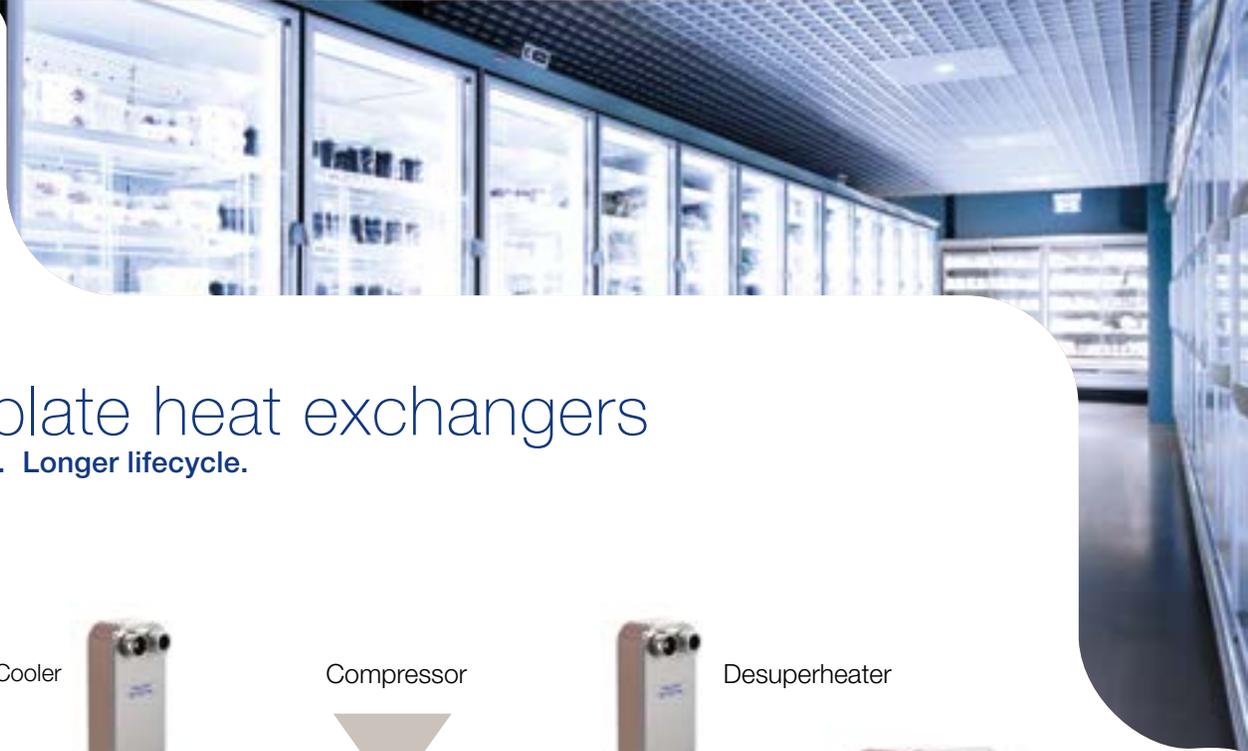
Refrigeration	ACH30EQ	CBH30	ACH70X	CBH60	ACH220EQ
Evaporator	●		●		●
Condenser		●		●	
Economizer	●		●		●
Desuperheater		●		●	
Dimensions (inches)	3.7x12.8	4.4x12.3	4.4x20.7	4.4x20.7	7.5x24.2
Condenser Heat of rejection - Max kBTU/HR		120		195	
Evaporator Max Capacity - Tons	7.5		25		80



Refrigeration	CBH110	ACH232DQ	ACH240DQ	ACH502DQ
Evaporator		●	●	●
Condenser	●		●	●
Economizer				
Desuperheater	●			
Dimensions (inches)	7.5x24.3	9.8x19.3	11.4x20.7	12.7x29.1
Condenser Heat of rejection - Max kBTU/HR	810		1,350	2,550
Evaporator Max Capacity - Tons		85	85	210

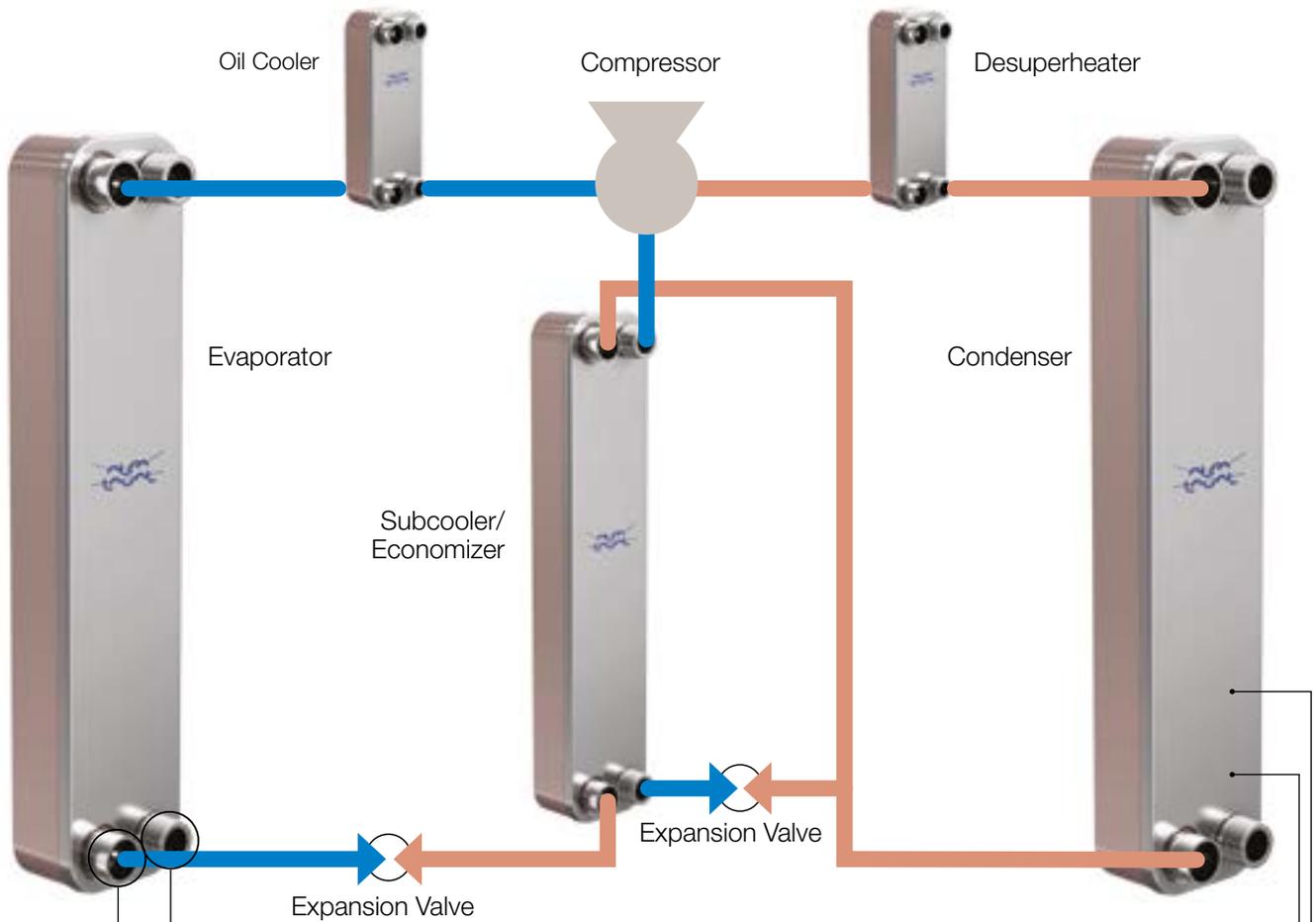
Liquid to Liquid	CBH16	CB30	CB60	CB110
Heating	●	●	●	●
Cooling	●	●	●	●
Dimensions (inches)	2.9x8.3	4.4x12.3	4.4x20.7	7.5x24.3
Max kBTU/HR				
Cooling Capacity	17	160	215	740
Heating Capacity	90	300	380	1,800
Domestic	240	300	670	3,000
Floor	115	400	450	2,200
Snow Melt	140	400	450	1,900





Brazed plate heat exchangers

Greater efficiency. Longer lifecycle.



DynaStatic™
Flexible
refrigerant
distribution



IceSafe
Controlled, non-
destructive
freezing



REFUTURE™
A future-proof
investment for
tomorrow's
refrigerants



AlfaNova®
100% stainless
steel
units available



PressureSecure
Unparalleled
strength
for demanding
duties



FlexFlow™
Superior thermal
performance



Brazed Plate Heat Exchanger Industry

Small but mighty

Alfa Laval copper brazed plate heat exchangers are smaller and stronger – a result of high heat transfer coefficients, small hold-up volumes and the use of thin materials.

Unlike conventional shell and tube heat exchangers, their efficient design allows them to provide more heat transfer with a smaller footprint.



Look no further

If you are looking for a heat exchanger that is maintenance free, offers a long service life and can withstand high temperatures and extremely high design pressures, look no further. They are used in a range of duties including cooling, heating, evaporation and condensing.



Industries served

- Air conditioning and heat pump solutions
- Beverage processing
- Combined heat and power
- Commercial refrigeration
- Inorganic chemicals
- District cooling
- District heating
- Fluid power
- HVAC cooling
- HVAC heating
- Industrial refrigeration
- And more



Brazed plate heat exchangers

Alfa Laval is the market leader for all kinds of brazed plate heat exchangers for applications such as refrigeration, HVAC, heat pumps etc. The different types of heat exchangers support a wide variety of HFC refrigerants such as R404A and R134a, and natural refrigerants (propane, ammonia, CO₂). AXP and CBX models meet the high working pressure demands of CO₂.



Key Benefits

- Real “built-in” distributor for DX® Evaporator (EQ) results in a smaller unit with lower investment.
- 3-year performance guarantee.
- Fast supply of standard range from stock or factory, less need for distributor to keep stock, with installer always having the right solutions.
- One stop shop for brazed plate heat exchangers for all refrigeration applications, including high pressure CO₂.
- Simple to select and buy, saving precious time.
- High quality and energy-saving addition for lower operation and experience costs.

Brazed heat exchangers – less is more

Threaded and sweat connections available

Seal plate

Unique herringbone plate pattern

99.9% pure copper brazing material
(nickel alloy brazing also available)

AISI 316 L plates

Channels formed when plates are
pressed together

Threaded and sweat connections available



The brazed plate heat exchanger is the most compact heat exchanger on the market today. Its high heat transfer efficiency in combination with its compact design equals a compact heat exchanger for a wide range of heating, cooling, evaporating and condensing duties.

The brazed heat exchanger consists of thin corrugated

stainless steel plates brazed together with copper to form a self-contained unit. Brazing the plates together eliminates the need for a frame, gaskets, bolts and the carrying bar. The result is a heat exchanger that costs less, weighs less, holds less refrigerant and takes up less space.



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

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.us