Efficient refrigeration
Save energy, time and money

Brazed Plate Heat Exchangers for liquid chillers, condensers, subcoolers, heat pumps, desuperheaters and shell-and-tube replacements
Lower your operational costs with the most efficient, reliable heat exchangers available.

Alfa Laval Brazed Plate Heat Exchangers
Alfa Laval’s high performance, compact Brazed Plate Heat Exchangers (BHEs) offer the highest heat transfer performance, with maximum reliability and cost efficiency. Consisting of thin corrugated stainless steel plates brazed together with copper, the BHE forms a self-contained unit - eliminating the need for a frame, gaskets, bolts and the carrying bar.

Innovation that boosts performance
Alfa Laval’s patented Equalancer System™ provides a substantial savings in heat transfer surface compared to BHEs with traditional distribution systems.

Brazed Plate Heat Exchanger benefits
- Extremely compact, low weight and easy to install
- Low refrigerant charge
- Safe oil return, even with low loads
- High pressure versions for cascade and transcritical CO₂ duties
- Optimal performance with air liquid coolers in indirect cooling systems
- Available for use with all HCFC and HFC refrigerants

Refrigeration applications
- Liquid chiller
- Condenser
- Subcooler
- Heat pump
- Desuperheater
- Replacement for shell-and-tube units

Alfa Laval BHEs are available with many different certifications, including UL, ASME, CRN and CE.

Brazed Plate Heat Exchangers in the refrigeration cycle
Alfa Laval BHEs can be used for any refrigeration application. The figure shows the minimum components necessary in the basic compression refrigeration cycle.

Space-saving, compact design
130 lbs 44 lbs 21" 34" 9" 5"
Alfa Laval has the tools to get you started.

- **AlfaSelect Selection Tool**
  Free and easy-to-use sizing software

- **ChillerBuilder Kit**
  Allows you to easily assemble a modular chiller solution. Available from 2 to 75 tons, these kits provide all you need to build the low-side of a chiller system.

- **Same day/next day shipping**

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**AlfaNova and AXP models also available.**

**AlfaNova –**

100% stainless steel fusion bonded construction for HFC natural refrigerants, such as ammonia

**AXP –**

specifically designed copper brazed construction with carbon steel frames for high pressure CO₂ applications

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**ChillerBuilder Kit**

Together with the Standard Refrigeration range, Alfa Laval offers a complete line of products and solutions for refrigeration applications.

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**Alfa Laval Brazed Heat Exchangers**

are available in a variety of sizes and plate configurations with a capacity of ½ to 160+ tons.
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, foodstuff, starch and pharmaceuticals.

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

How to contact Alfa Laval
Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information directly.

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