



There is only one way to be sure.

Alfa Laval AHRI Certified® brazed and fusion-bonded plate heat exchangers



In a perfect world, every product would perform according to the manufacturer's specifications. In the plate heat exchanger industry, some manufacturers "adjust" or tweak heat duty calculations when sizing heat exchangers. This practice compromises trust in performance promises and often results in underdimensioned, under-performing heat exchangers that increase the operating costs of HVAC systems.

Under these circumstances, it makes perfect sense for specified thermal performance to be validated via the only global program available for plate heat exchangers—AHRI performance certification.

The Air Conditioning, Heating and Refrigeration Institute (AHRI) is the only independent third-party organization that certifies the performance of plate heat exchangers globally. AHRI is a non-profit organization that strives via its certification programmes and standards to assist clients to save energy, improve their productivity and help to ensure a better environment.

The AHRI Liquid to Liquid Brazed and Fusion-bonded (LLBF) Certification Programme provides third-party verification of thermal performance—it gives independent assurance that the heat exchanger will perform in accordance with the manufacturer's published ratings.

Alfa Laval heat exchangers were the first heat exchangers ever to be AHRI Certified®.

Performance certification benefits

AHRI performance certification makes sense for all those concerned in designing, producing, selecting and using plate heat exchangers:

- **Lowers energy consumption** and reduces lifetime operating costs significantly by assuring a more energy-efficient system.
- **Ensures full investment value** by reducing costs for field tests and additional component performance margins.
- **Enables fair comparisons** of thermal performance and price/performance ratio, as calculations have been verified.
- **Ensures that targets** for power consumption and climate control **can be met** by adequate dimensioning of the heat exchanger capacity.
- **Provides peace of mind** for those who rely on system performance—suppliers, consultants, contractors and end users.
- **Places focus on energy efficiency**, which fosters innovation and stimulates manufacturers to develop more efficient products.
- **Eliminates cheating** from thermal performance, which enhances confidence in the industry.

Alfa Laval plate heat exchangers –the optimal choice

Alfa Laval's broad range of heat exchangers for HVAC applications include brazed and fusion bonded as well as gasket plate heat exchangers. Alfa Laval's heat exchangers, including the unique AlfaNova solution, are available to meet most heat transfer requirements – whether large or small – demonstrating our commitment to optimizing the performance of our customers' processes.

Choose AHRI Certified® heat exchangers to be sure.



Alfa Laval's AHRI Certified® brazed and fusion-bonded plate heat exchangers

Brazed models



| Model | CBH16AQ | CBH18AQ | CB20AQ | CB30AQ | CB60AQ | CB110AQ | CB112AQ | CB300AQ | CB400AQ |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Nom flow rate m ³ /h/GPM | 4.1/18 | 4.1/18 | 8.8/39 | 14/62 | 14/62 | 51/224 | 37/163 | 200/880 | 200/880 |
| Nom design temp °C/°F | 150/302 | 150/302 | 225/437 | 225/437 | 225/437 | 225/437 | 225/437 | 225/437 | 225/437 |
| Nom. Design pressure bar/psi | 32/464 | 32/464 | 16/232 | 32/464 | 32/464 | 25/365 | 30/435 | 25/365 | 25/365 |

Fusion-bonded models



| Model | AlfaNova 14 AQ | AlfaNova 27 AQ | AlfaNova 52 AQ | AlfaNova 76 AQ | AlfaNova 76L AQ | AlfaNova 200 AQ | AlfaNova 400 AQ |
|-------------------------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|-----------------|
| Nom flow rate m ³ /h/GPM | 4.6/20.2 | 14/62 | 14/62 | 37/163 | 37/163 | 112/493 | 200/880 |
| Nom design temp °C/°F | 225/437 | 225/437 | 225/437 | 225/437 | 225/437 | 225/437 | 225/437 |
| Nom. Design pressure bar/psi | 20/290 | 21/305 | 21/305 | 26/377 | 26/377 | 13/189 | 16/232 |

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Alfa Laval reserves the right to change specifications without prior notification.

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.

