



There is only one way to be sure.

## Alfa Laval AlfaQ™ AHRI-certified gasketed plate heat exchanger



In a perfect world, every product would perform according to the manufacturer's specifications. In the gasketed plate heat exchanger (GPHE) industry, some manufacturers "adjust" or tweak heat duty calculations when sizing heat exchangers. This practice compromises trust in performance promises and often results in under-dimensioned, under-performing GPHEs 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 gasketed 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 Heat Exchangers (LLHE) 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.

Gasketed plate heat exchangers in the broad Alfa Laval AlfaQ™ range were the first to be AHRI certified. Alfa Laval has accomplished a 100% success rate in the AHRI performance certification programme since the start.

### Performance certification benefits

AHRI performance certification makes sense for all those concerned in designing, producing, selecting and using gasketed 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 AlfaQ™ gasketed plate heat exchangers, the optimal choice

Alfa Laval's broad range of heat exchangers for HVAC applications include gasketed, semi-welded, fully-welded, double-wall plate, and brazed plate heat exchangers. The AlfaQ™ series are part of our gasketed plate heat exchanger portfolio. AlfaQ™ heat exchangers are available to meet most heat transfer

requirements—whether large or small—and include a three-year warranty, demonstrating our commitment to optimizing the performance of our customers' processes.



Choose AHRI-certified AlfaQ™ series to be sure.



Model	AQ1	AQ1L	AQ2	AQ2L	AQ2S	AQ4	AQ4L	AQ6
Nom flow rate m <sup>3</sup> /h/GPM	14/80	14/80	58/250	58/250	72/300	180/980	180/980	430/1850
Nom design temp C°/F°	180/300	180/300	180/300	180/300	180/300	180/300	180/300	180/300
Nom. Design pressure bar/psi	16/150	16/150	25/300	25/300	25/300	25/300	25/400	30/400



Model	AQ6L	AQ8	AQ8S	AQ10	AQ14	AQ14L	AQ20
Nom flow rate m <sup>3</sup> /h/GPM	430/1850	800/3600	700/3100	900/6000	1800/7900	2000/8000	3600/15500
Nom design temp C°/F°	180/300	180/300	180/300	180/300	180/300	180/300	180/300
Nom. Design pressure bar/psi	30/460	30/400	30/400	30/400	25/300	30/400	25/300

ECF00568EN

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](http://www.alfalaval.com) to access the information directly.



Alfa Laval is a participating company in the AHRI Standard 400 Certification Program