



# Demand new standards

Alfa Laval gasketed plate heat exchangers



# The world's most modern gasketed plate heat exchangers

Gasketed plate-and-frame heat exchangers are so well established that few could imagine major leaps in their development. At Alfa Laval, however, we don't believe in settling for status quo. That's why we introduced our line of next-generation gasketed plate heat exchangers for industrial applications – to meet your needs today, tomorrow and beyond.

## New standards

In redeveloping our gasketed plate heat exchangers, we questioned every aspect and rethought every detail. The results are bold new standards in efficiency, reliability and serviceability. Continuously upgraded with new models, innovative features and new technical concepts, this is the world's most modern gasketed plate heat exchanger range with options for virtually any industry and application.

Discover new features that let you take advantage of unparalleled thermal capabilities and optimize your energy utilization.



Get to know true durability with innovations for world-class mechanical endurance and reliable performance.

Sign up for safe and cost-effective maintenance with advancements to ease gasket and plate handling, as well as opening and closing of the unit.

## Boosting efficiency and sustainability – whatever the application

Our objective has been clear from the start: to solve existing customer challenges in a more sustainable and cost-efficient way. Development has therefore focused on improving thermal efficiency and operational performance, with an eye toward reducing our customers' total cost of ownership. Regardless of your industry, the application or the position of your heat exchanger, we want to help you save energy and minimize the environmental impact of your processes.



# Features that help you achieve a new standard

Alfa Laval's next-generation gasketed plate heat exchangers contain unique features\* to help your business achieve new levels of efficiency, reliability and serviceability.

## Efficiency

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### CurveFlow™ distribution area

Improves media flow and minimizes the risk of fouling



### OmegaPort™ noncircular port holes

Enhances media flow and thermal efficiency



### Offset gasket groove

Ensures plate utilization for maximum heat transfer efficiency



### FlexFlow™ plate design

Improves thermal efficiency and optimizes pressure drop utilization

## Reliability

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### Five-point alignment

Ensures reliable plate positioning and easy service of large units



### PowerArc™ plate pattern divider

Improves plate rigidity for longer lifetime



### SteerLock™ plate alignment

Ensures reliable plate positioning and easy service



### RefTight™ sealing system

High-performance gasket sealing for high-pressure duties\*\*

## Serviceability

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### ClipGrip™ gasket attachment

Ensures perfect seal and trouble-free maintenance



### T-bar roller

Provides a lower unit that is easy to service



### Bearing boxes

Guarantees an easy-to-open unit for smoother, more efficient maintenance



### Compact frame

Facilitates maintenance and minimizes service area requirement

\* This page includes all of the key defining features for Alfa Laval's next-generation range of industrial gasketed plate heat exchangers. Actual features available for an individual unit will vary according to the size, plate and frame type of the specific configuration.

\*\* The RefTight™ sealing system is only available on Alfa Laval Industrial semi-welded heat exchanger models.

# Alfa Laval Industrial line

Our wide range of industrial gasketed plate heat exchangers includes models that are suitable for all types of industries. We can support applications ranging from heating, cooling and heat recovery to condensation and evaporation, and we are constantly looking to expand and upgrade with new performance criteria and greater flexibility.



Alfa Laval's next-generation T25 and T10 gasketed plate heat exchangers feature a range of unique innovations that break new barriers in industrial heating and cooling applications.

## Scope of Alfa Laval Industrial line\*

| Dimensions                                   | From      | To         |
|----------------------------------------------|-----------|------------|
| Port size mm (in)                            | 20 (0.79) | 500 (19.7) |
| Height mm (in)                               | 380 (15)  | 4095 (161) |
| Width mm (in)                                | 180 (5.5) | 1550 (61)  |
| Design limitations                           |           | Up to      |
| Maximum flow capacity (m <sup>3</sup> /hour) | -         | 4946       |
| Max design pressure barg (psig)              | -         | 35 (507)   |
| Max temperature °C (°F)                      | -         | 180 (356)  |

\* The table contains values with the intention of providing a general overview. Actual values vary depending on the frame, plates and gasket materials used in the final configuration. Contact your local sales representative for more specific details.

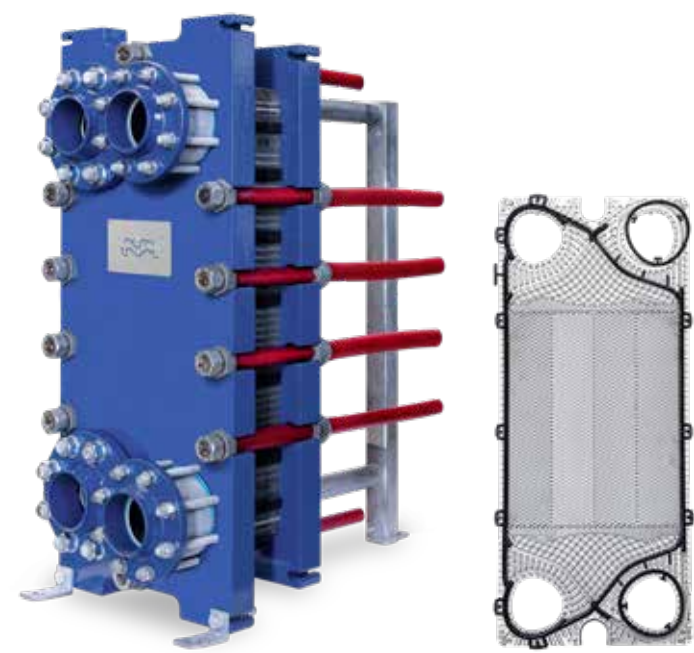
## Alfa Laval AlfaQ™

The Alfa Laval AlfaQ™ is certified according to the AHRI Liquid-to-Liquid Heat Exchangers (LLHE) certification program, which ensures thermal performance according to manufacturers' published specifications. Alfa Laval's next-generation

features are also available for relevant sizes and configurations of models in the AlfaQ range. More information about AHRI performance certification can be found at [www.alfalaval.com/AHRI](http://www.alfalaval.com/AHRI).

# Alfa Laval Industrial semi-welded line

The Alfa Laval Industrial semi-welded line offers a high-efficiency solution with a sealing function combining gaskets and welds. These units can also withstand a higher design pressure compared to fully gasketed plate-and-frame heat exchangers.



The robust Alfa Laval T10-EW, see picture, semi-welded plate heat exchanger with the RefTight™ sealing system offers a higher standard of efficiency and durability to meet higher pressure demands.

## Scope of Alfa Laval Industrial semi-welded line\*

| Dimensions                       | From     | To           |
|----------------------------------|----------|--------------|
| Port size mm (in)                | 60 (2.4) | 300 (11.8)   |
| Height mm (in)                   | 940 (37) | 2940 (116)   |
| Width mm (in)                    | 330 (13) | 1170 (46)    |
| Design limitations               | Up to    |              |
| Capacity (Refrigeration) kW (RT) | 100 (28) | 12000 (3400) |
| Max design pressure barg (psig)  | -        | 63 (900)     |
| Max design temperature °C (°F)   | -        | 160 (320)    |

\* The table contains values with the intention of providing a general overview. Actual values vary depending on the frame, plates and gasket materials used in the final configuration. Contact your local sales representative for more specific details.



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

