

# Raising the bar on high pressure



# Design advantages

Alfa Laval's next-generation of semi-welded gasketed plate heat exchangers help you reach higher design pressures.

| Features                      | Alfa Laval Semi-welded | Plate & Shell | Shell & Tube |
|-------------------------------|------------------------|---------------|--------------|
| High pressure                 | ✓                      | ✓             | ✓            |
| Expandable                    | ✓                      |               |              |
| Easily serviceable            | ✓                      |               |              |
| Compact footprint             | ✓                      | ✓             |              |
| Low ammonia charge            | ✓                      |               |              |
| Low refrigerant pressure drop | ✓                      |               |              |
| Short leadtime                | ✓                      |               |              |
| High efficiency               | ✓                      | ✓             |              |
| Lowest capital investment     | ✓                      |               |              |

Ideal for high-pressure, cold-storage and heat pump duties



# Branded features

 **OmegaPort™ non-circular port holes**

 **CurveFlow™ distributor area**

 **RefTight™ sealing system**

 **ClipGrip™ gasket attachment**

 **ClipGrip™ gasket attachment**  
Ensures perfect seal and trouble-free maintenance.

 **Bearing boxes** Guarantees an easy-to-open unit for smoother, more efficient maintenance.

 **OmegaPort™ non circular port holes** Ensures media flow and thermal efficiency.

 **CurveFlow™ distributor area**  
Improves media flow and minimizes the risk of fouling.

 **Five-point alignment**  
Ensures reliable plate positioning and easy service of large units.

 **RefTight™ sealing system**  
High-performance gasket sealing for high-pressure duties.

 **Compact frame** Facilitates maintenance and minimizes service area requirement.

## RefTight™ sealing system

RefTight™ is Alfa Laval's unique gasket sealing system, enabling enhanced, long-term performance in applications with high pressures and temperatures.

- The weld is positioned outside the ring gasket groove, ensuring reliable sealing.
- Fully supported gasket groove allows design pressures up to 900 psi.
- Extended gasket lifetime and prolonged service intervals.
- Flexibility of gasket provides superior resistance to pressure cycling and thermal expansion in comparison to a fully-welded design.
- Double barrier gasket design prevents intermixing of fluids.



### 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™.



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### How to contact Alfa Laval

Contact details for all countries are continually updated on our web site. Please visit [www.alfalaval.us](http://www.alfalaval.us) to access the information.

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

For more information, or to book a call with an engineer, please visit: [alfalaval.us](http://alfalaval.us)

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