

High Performance Heat Transfer

- IN THE MARINE INDUSTRY



Knowledge

is key

Heat Exchangers have become an important piece of equipment in today's maritime cooling systems. When dimensioning plate coolers, there are numerous ways of optimizing both purchase value and operating costs. Through the broad product line of APV plate coolers, we offer second to none both technical and commercial attractive solutions to satisfy the environment and our business partners.



Competence

is our trademark



Applications

Over decades the Plate type cooler has proven to be the preferred equipment for:

- Main and auxiliary engine coolers
- Lubricating oil coolers
- Tank heaters
- Pre-heaters
- Fuel oil coolers (MDO/MGO)
- Heat recovery units

Designed for maximum thermal efficiency, reliable operation and minimum space requirements our plate heat exchanger solutions will help you optimize energy consumption, minimize service downtime, and reduce your capital cost investment.



Technology

The APV level of technology is the most advanced on the market. APV plate coolers are equipped with optimal cooling capacity features like customized distribution area, multiple plate gaps, and plate patterns. APV plate coolers have through our intelligent patented solutions the most service friendly design. The patented Corner Locks on plates, and the Patented Easy Clip gaskets reduce time spent on service and maintenance.

High Performance cooling

APV gasketed plate heat exchanger solutions offer cooling for engine capacities varying from 200 kW to more than 100.000 kW. Specialized plate designs deliver maximum thermal efficiency with a minimum cleaning and maintenance requirement.

You get all the benefits

- Improved performance
- Longer life time of plates and gaskets
- Service easily done by crew on site saving both time and money



APV Gasketed Plate Heat Exchangers

A wide range of gasketed plate heat exchangers suited for general heating and cooling duties. The optimized plate design is cost effective and offers maximum heat recovery effect.

- Optimized plate designs for maximum heat recovery rates
- Compact designs for space and weight savings
- Easy maintenance reducing service downtime and spare parts costs



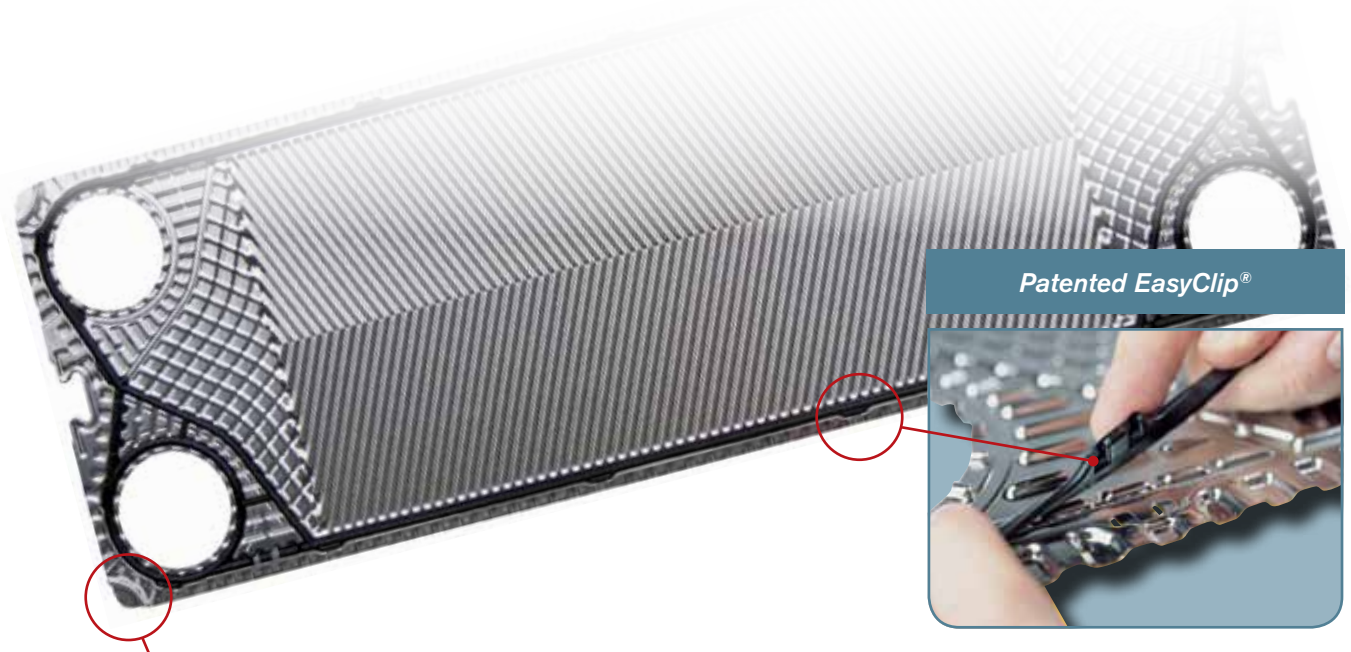
In-Line Filters

APV gasketed plate heat exchangers can be equipped with an in-line filter, preventing the unit from being blocked by debris in the seawater. The strainer is placed inside the plate pack in the seawater inlet port and can easily be removed for cleaning through a flanged connection on the follower.

- Port sizes: available from Ø80 mm and up
- Filter material: AISI 316L
- Hole size: 2,5 mm

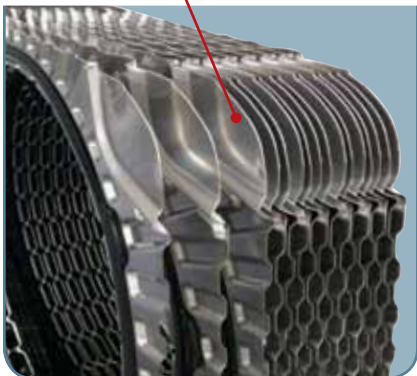


Superior Heat transfer execution



Patented EasyClip®

Patented CornerLock®

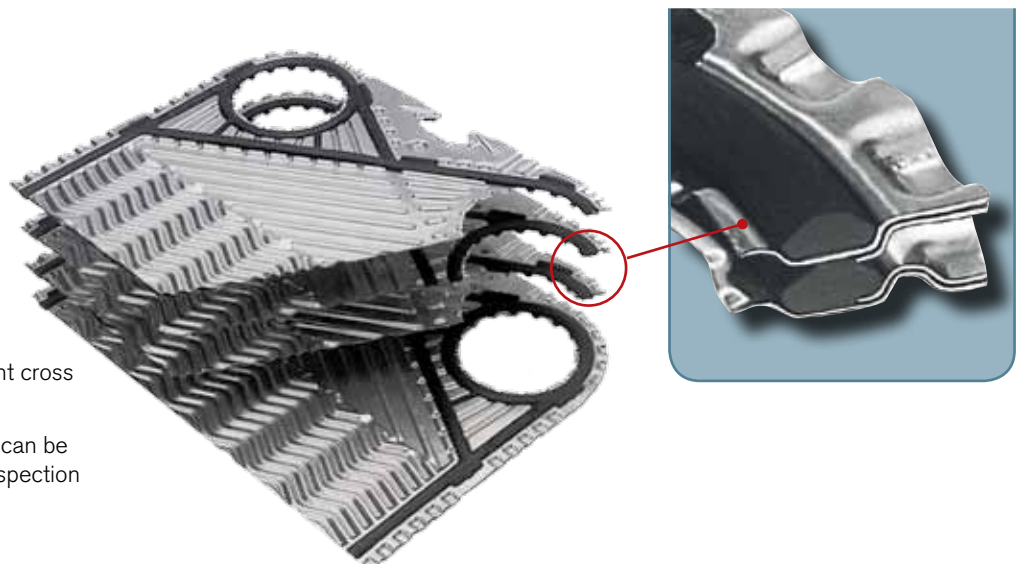


- Providing perfect plate alignment and plate pack stability
- Thinner and more efficient plates without compromising mechanical strength



MDO/MGO cooling with DuoSafety

- It is possible to combine different plate materials in one plate pair
- Early warning system to prevent cross contamination
- The APV DuoSafety plate pair can be dismantled for cleaning and inspection (No weldings)



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Service readiness

We support our customers during the entire lifetime of their APV equipment through a global team of highly qualified and experienced specialists with special knowledge of the needs of the marine industry.

We provide worldwide service readiness via a global network of service partners supported by our marine service centers in Houston, TX, Kolding (DK), Singapore, and Shanghai – all providing APV genuine spare parts. Critical spare parts are distributed overnight. For 24 hours service call: +45 70 278 278

Our three main APV heat exchanger production sites in China, Denmark and the USA are all ISO 9001 certified.

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ABOUT SPX

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global multi-industry manufacturing leader. For more information, please visit www.spx.com.

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