

## Gasketed Plate Heat Exchanger

# QUALITY AND FLEXIBILITY AT ITS BEST



## DESIGN & FUNCTION

The gasketed plate heat exchangers reveal what passion, scientific curiosity and technological expertise can achieve.

The facts: high efficiency at low operating costs, greater application possibilities at lower investment costs. Continuous further development of the plate series targeted to meet your demands concerning the thermo-dynamic and fluid-dynamic performance also ensures that you can achieve maximum economic efficiency.

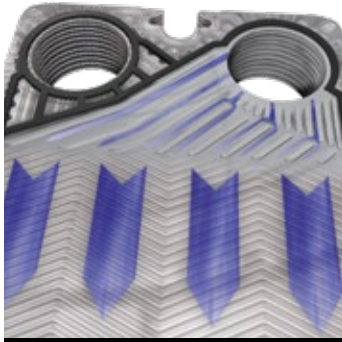
The range of plate corrugations, connection sizes, plate widths and lengths enable them to be flexibly and effectively designed for individual application requirements.

In addition, maintenance-friendly assembly and sealing technologies are applied, which assure that service and maintenance costs are kept low.

## ADVANTAGES

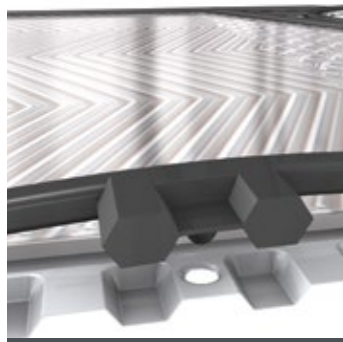
- ▶ **MADE TO MEASURE FOR YOUR REQUIREMENTS**
- ▶ **OPTIWAVE DESIGN FOR HIGHEST EFFICIENCY AND LOWEST FOULING**
- ▶ **POSLOC ASSEMBLY FOR A PERFECTLY ALIGNED PLATE PACK**
- ▶ **ECOLOC GASKET SYSTEM FOR EASY & RELIABLE FIXATION AND REMOVAL**

# HIGHLIGHTS N-SERIES



## OPTIWAVE DESIGN

Kelvion's exclusive plate corrugation pattern allows even flow distribution across the entire plate surface thereby maximizing heat transfer while minimizing fouling rates, plate count, and cost..



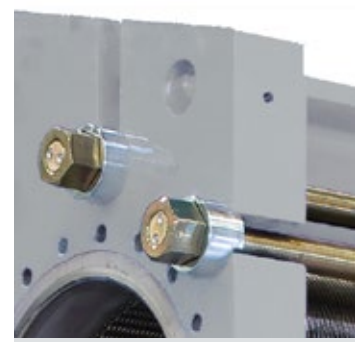
## ECOLOC GASKET SYSTEM

Kelvion gaskets work in perfect combination with our plates to ensure worry free operation. Our chamfered opening allows each gasket to settle into position and also prevents the lock tab from being severed. Gaskets can be easily installed without tools or adhesive and self-seat during closing. It takes just seconds to replace a gasket making maintenance quick and easy.



## POSLOC ASSEMBLY

Kelvion's trademarked PosLoc plate design allows the GPHE plates to self-align and tightly seal every time the unit is closed. This feature virtually eliminates plate pack snaking, even if the frame is out of alignment and after repeated servicing. This distinctive feature provides you with years of stress free maintenance and operation.

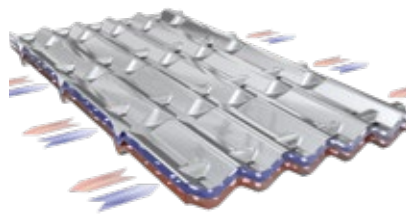
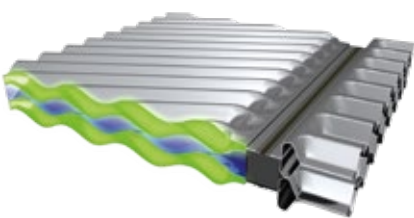


## ONE FRAME FOR ALL

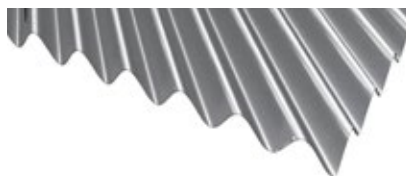
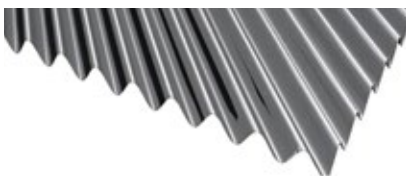
Even if the medium or requirement changes, there is no greater flexibility. All of the N series plates can be used in the same frame with varying numbers of plates.

Kelvion's N Series GPHEs feature an advanced frame design with a wide variety of plate material choices, configurations, and port sizes. The interior N Series plates are the most technologically advanced heat transfer plates on the market with features for efficient processing of all products, including those with high viscosities and fouling tendencies making the N Series the superior choice for your most challenging heat transfer specifications.

## LASER-WELDED CASSETTES FREE FLOW GAP



## HERRINGBONE CORRUGATIONS WITH VARIOUS STYLES



### NT SERIES

- ▶ Flexible solution for all applications
- ▶ Wide range of widths and lengths
- ▶ Extensive range of plate & gasket materials

### NX SERIES

- ▶ Perfect fit for narrow temperature profiles
- ▶ Increased pressure resistance
- ▶ Higher heat transfer rates

### LWC SERIES

- ▶ Laser welded cassettes
- ▶ Hermetically sealed flow gap for hazardous media
- ▶ Assures high process reliability

### NL SERIES

- ▶ Large herringbone plate gap for gentle media treatment
- ▶ For shear-sensitive and highly viscous media

### NW SERIES

- ▶ Widest herringbone plate gap
- ▶ For media containing small and round particles

### NF SERIES

- ▶ Real Free Flow gap without contact points
- ▶ Constant gap width
- ▶ For media containing particles and fibers

### NP SERIES

- ▶ Highest performance plate
- ▶ Perfect fit for extremely low temperature differences
- ▶ Highest pressure resistance

### NH SERIES

- ▶ High pressure resistance at low pressure drop
- ▶ Available in special materials

### ND SERIES

- ▶ Double-wall plate for highest process safety
- ▶ No intermixing of media

### NC,NA,NG,NQ SERIES

- ▶ AHRI certified plate series
- ▶ For HVAC applications

### K°SKID

- ▶ Dual module of two redundant heat exchangers
- ▶ Assures 24/7 operation
- ▶ No unwanted downtimes