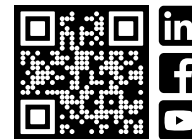




Wide gap channel  
with less contact points,  
special gaskets fixation

Suitable for media with  
large particulates or higher  
concentration

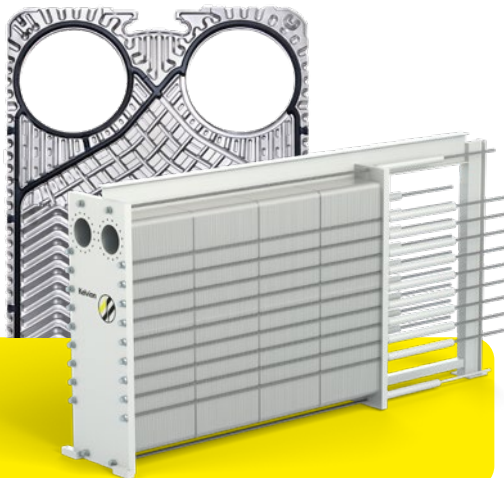
Minimized downtime,  
maximized maintenance  
efficiency



www.kelvion.com

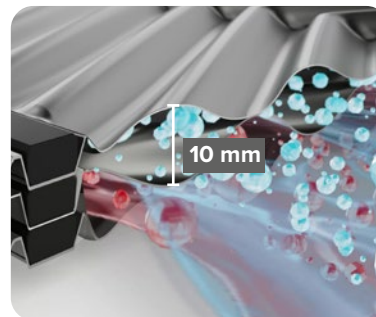
## Gasketed Plate Heat Exchangers

# NW SERIES | WIDE GAP PLATE



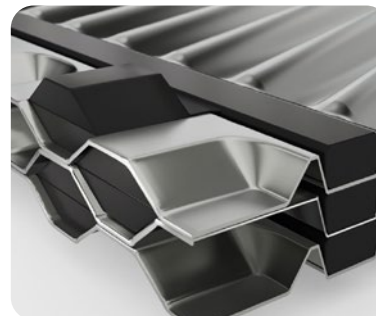
### WIDE GAP PLATE

- ▶ Ideal for media containing solids / particles
- ▶ Extra wide herringbone corrugation
- ▶ Flow channels with few metal contact points
- ▶ Turbulence promotes the self-cleaning effect
- ▶ Longer service life, lower operating cost



### HONEY COMB GASKET

- ▶ Optimized alignment of the plate pack
- ▶ Enhanced fixation of the gaskets
- ▶ Secured hold in gasket groove
- ▶ Limitation of gasket movement
- ▶ Reduced thermal expansion of the gasket



### KELVION SELECT PHE

Selecting the right Plate Heat Exchanger.  
**ANYTIME. ANYWHERE.**

## MARKETS



Food &  
Beverage



Heavy & Light  
Industry



Chemical

## SPECIFICATIONS

### CORRUGATION

Chevron

Wide Gap

Free Flow

### PLATE MATERIAL

Stainless Steel

Nickel Based Alloys

Titanium

### GASKET MATERIAL

EPDM & NBR

FKM (Viton)

CR

## DESIGN PARAMETER



### DESIGN PRESSURE

-1 barg  
full vacuum

10,4 barg  
457 psig



### DESIGN TEMPERATURE


-45 °C  
-49 °F

195 °C  
383 °F



### VOLUME FLOW

1730 m<sup>3</sup>/h  
7610 US gpm

 available sizes

3 m

2 m

1 m



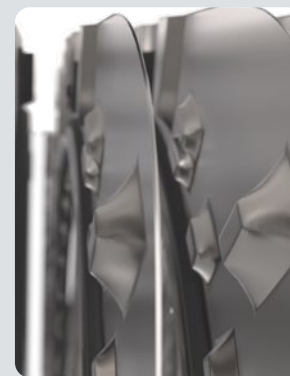
Size	M	T	M	X	M	T	S	M	X	S	L	X	S	M	L	T	S	M	L	T	M	X
Connection Size DN inch	25 1	50 2			80 3	100 4				150 6			250 10			350 14				500 20		

## MAIN FEATURES



### ONE FRAME FOR ALL PLATE SERIES

- **Maximum flexibility for changing process requirements:**  
Modular frames allow fast plate pack changes without replacing the frame – cutting downtime and costs. Designed for varied environments and applications, they use, standardised, bolted components for easy maintenance and full compatibility across sizes and plate series.
- **Advantage:** Optimised functionality, service, delivery and investment.



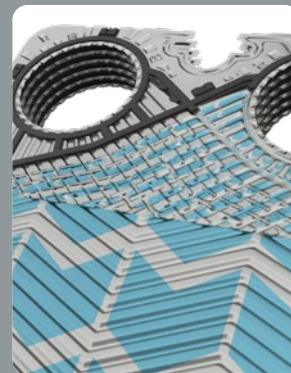
### POSLOC

- **Unique plate design:**  
Allows self-alignment and precise gasket sealing of the plates.
- **Advantage:**  
Eliminates plate pack snaking and extends gasket life time for stress-free maintenance & operation.



### GLUED GASKET FIXATION

- **Bonding of gaskets:** Gaskets for NF and NW plates are permanently bonded using a two-component adhesive. Before bonding, the groove is roughened and both parts are degreased.
- **Curing process:** Heat treatment fully cures the adhesive, ensuring optimal bond strength.
- **Advantage:** This ensures enhanced operational safety and easier handling, as the gaskets remain securely in place.



### OPTIWAVE

- **Even flow distribution:**  
Our exclusive plate corrugation with wide and narrow cross sections to ensure even velocity across the entire plate surface and channels.
- **Advantage:**  
Thereby maximizing heat transfer while minimizing fouling rates, plate count, and cost.