

Kelvion



Gasketed Plate Heat Exchangers

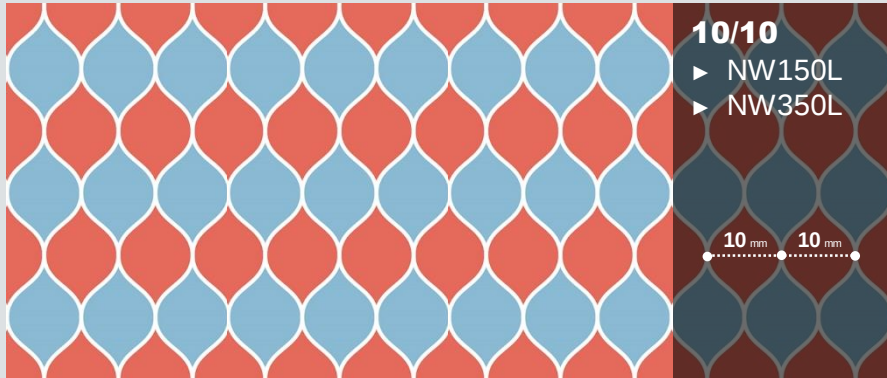
# NW SERIES

## MARKET VS PLATE TYPE

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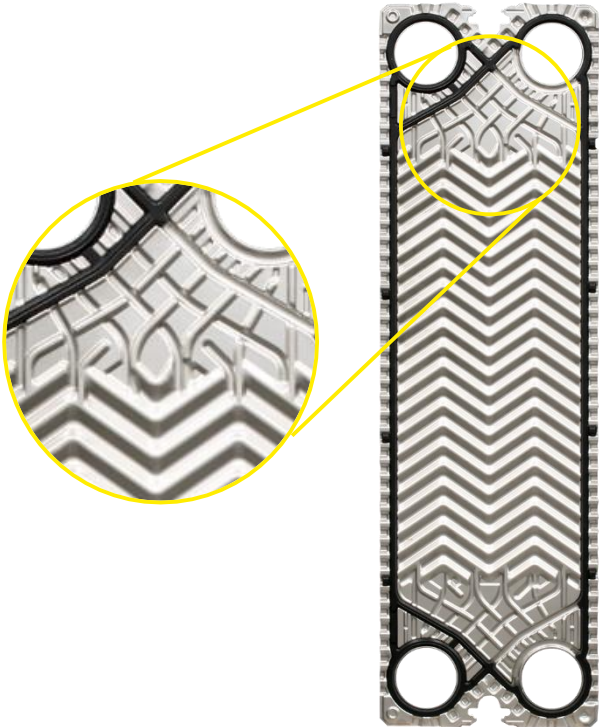
## WIDE GAP:

- ▶ **Ideal for media containing**
  - ▶ Solids / Particles
- ▶ **Anti-fouling corrugation (herringbone)**
- ▶ **Flow channels with few metal contact points**



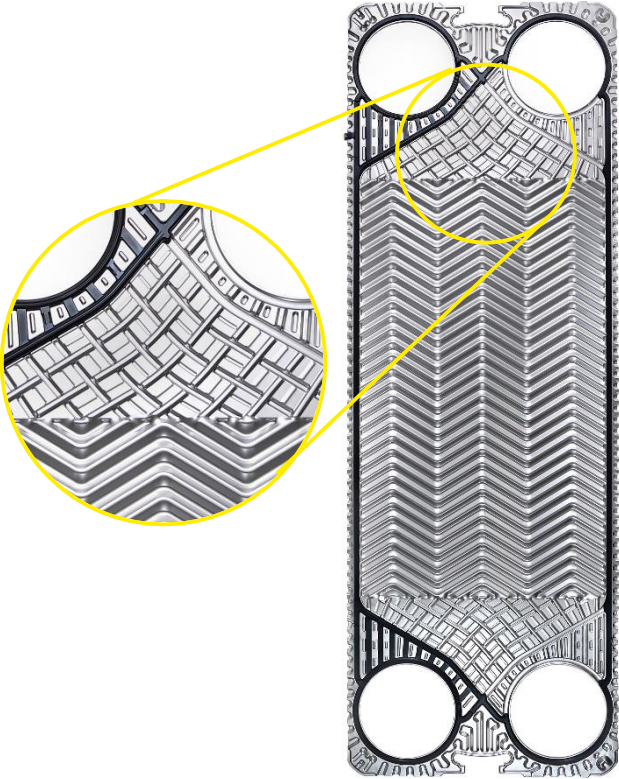
# NW150L IN DETAIL

| SUBJECT              | DESIGNATION                                                               |
|----------------------|---------------------------------------------------------------------------|
| Plate Type           | NW150L   New <b>Wide Gap</b> , DN <b>150</b> , L Length                   |
| Corrugation          | Herringbone, <b>H</b> orizontal                                           |
| Plate Material       | 1.4404 (316L)                                                             |
| Plate Thickness      | 1.0 mm                                                                    |
| Gap Size             | Up to 10 mm                                                               |
| Gasket Material      | EPDM, NBR, Viton                                                          |
| Gasket Fixation      | Glued                                                                     |
| Max. Test Pressure   | Stainless steel: 13.5 bar-g (1.0 mm)<br>(max. balanced pressure 18 bar-g) |
| Unit Dimensions      | H = 2,197 mm / W = 640 mm                                                 |
| Typical Applications | Sugar syrups, cloudy juices, waste water                                  |



# NW350L IN DETAIL

| SUBJECT              | DESIGNATION                                                               |
|----------------------|---------------------------------------------------------------------------|
| Plate Type           | NW350L   New <b>Wide Gap</b> , DN <b>350</b> , L Length                   |
| Corrugation          | Herringbone, <b>Horizontal</b>                                            |
| Plate Material       | 1.4404 (316L)<br>Titanium                                                 |
| Plate Thickness      | 1.0 mm                                                                    |
| Gap Size             | Up to 10 mm                                                               |
| Gasket Material      | EPDM, NBR                                                                 |
| Gasket Fixation      | Glued                                                                     |
| Max. Test Pressure   | Stainless steel: 13.5 bar-g (1.0 mm)<br>(max. balanced pressure 21 bar-g) |
| Unit Dimensions      | H = 3,450 mm / W = 1,135 mm                                               |
| Typical Applications | Sugar syrups, cloudy juices, waste water                                  |



# PORTFOLIO NW-PLATE

● Available    ● Not Available



25

50

80

100

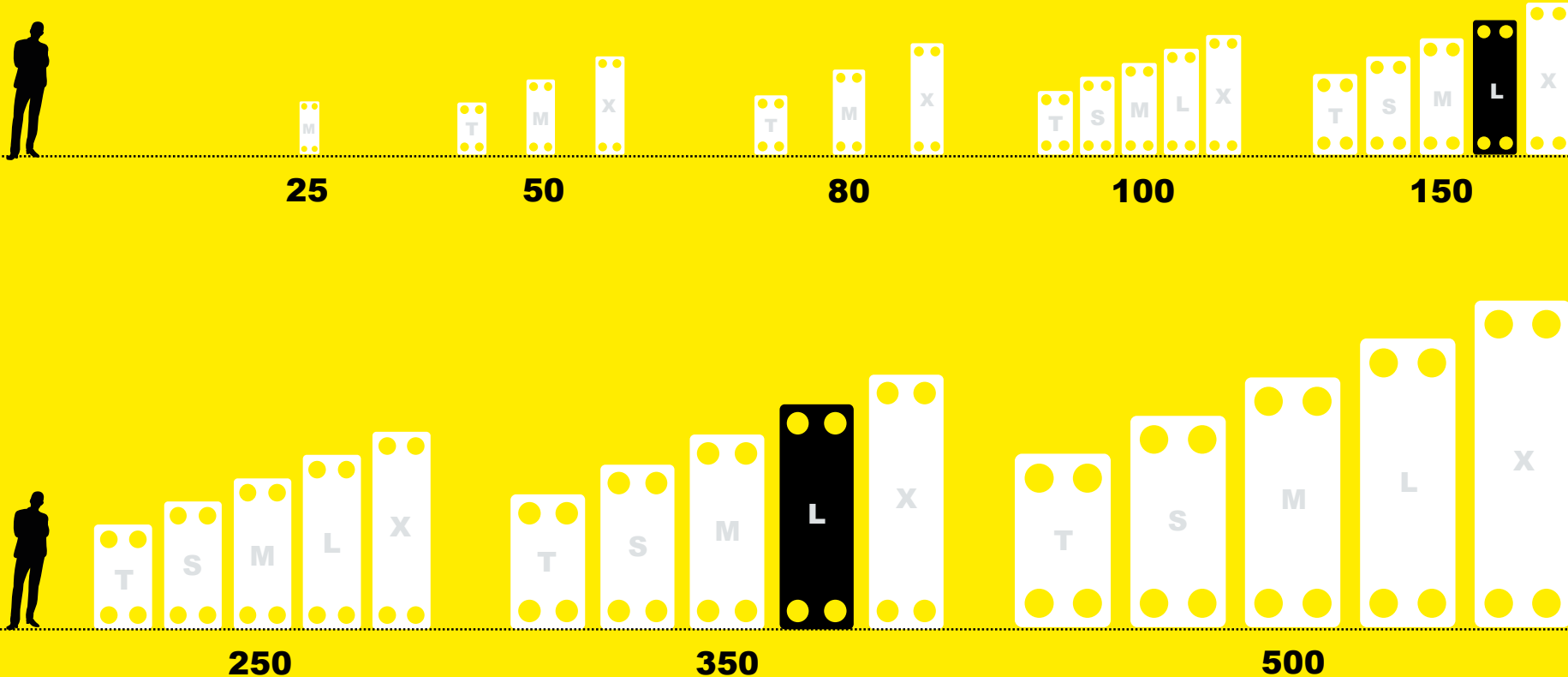
150



250

350

500



# NW-PLATE FEATURES



## NW150L



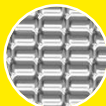
OptiWave



PosLoc



One Frame  
For All



Free Flow  
Alternative



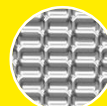
## NW350L



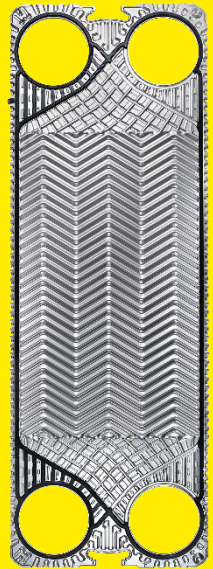
OptiWave



PosLoc



Free Flow  
Alternative



# FREE FLOW VS. WIDE GAP

| SERIES / CHARACTERISTIC | NF SERIES                                                                                                                                          | NW SERIES                                                                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| CORRUGATION             | <div>Free Flow<br/>(Special Washboard Pattern)</div> <div></div> | <div>Wide Gap<br/>(Extra Wide Herringbone)</div> <div></div> |
| FLOW CHANNEL            | Free flow without contact points                                                                                                                   | Wide gap with fewer contact points                                                                                                              |
| THERMAL EFFICIENCY      | ★★                                                                                                                                                 | ★★★                                                                                                                                             |
| PRESSURE RESISTANCE     | ★★                                                                                                                                                 | ★★★                                                                                                                                             |
| PRESSURE DROP           | ★★★                                                                                                                                                | ★★                                                                                                                                              |
| SUITABLE FOR FIBERS     | ★★★                                                                                                                                                |                                                                                                                                                 |

# SELECTING THE RIGHT PLATE

| APPLICATION                                                                                           | NF SERIES | NW SERIES |
|-------------------------------------------------------------------------------------------------------|-----------|-----------|
| ETHANOL PRODUCTION   Fermenter Cooler                                                                 | ★★        | ★★★       |
| ETHANOL PRODUCTION   Mash Cooler                                                                      | ★★★       | ★★        |
| SUGAR   Cane: Juice before Clarification (Raw & Mix)   Beet: Juice before 1 <sup>st</sup> Carbonation | ★★★       | ★         |
| SUGAR   Cane: Juice after Clarification   Beet: Juice after 1 <sup>st</sup> Carbonation               | ★★        | ★★★       |
| FRUIT JUICE WITH FIBERS                                                                               | ★★★       |           |
| PULP AND PAPER (Fiber Stream)                                                                         | ★★★       |           |
| TEXTILES (Fiber Stream)                                                                               | ★★        |           |
| WASTEWATER                                                                                            | ★★★       | ★★        |
| EVAPORATION OF FLUIDS                                                                                 | ★★        | ★★★       |
| CONDENSERS FOR HEAT RECOVERY                                                                          | ★★        | ★★★       |
| MEDIA CONTAINING CRYSTALS                                                                             | ★★        | ★★★       |
| HIGH VISCOSITY MEDIA (Slurries, etc.)                                                                 | ★★        | ★★★       |

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# CONTACT



[www.kelvion.com](http://www.kelvion.com)



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# OUR **VISION**

**HEAT X-CHANGING  
THE WORLD WITH  
SUSTAINABLE  
ENGINEERED  
SOLUTIONS**