

## Gasketed Plate Heat Exchanger

# NX PLATE TECHNOLOGY



## DESIGN & FUNCTION

Increasing demand for cold supply in data centers and high-rise buildings as well as district cooling poses new challenges to gasketed plate heat exchangers in terms of performance.

Our answer is the NX series – developed with these applications in mind. The NX350M complements our performance proven NX series. With a connection diameter of DN350 the plate serves applications with high volume flow.

The adoption of a plate with narrow plate gap and a small pitch ensures highest heat transfer performance. It is the perfect fit for applications with extremely low temperature differences and high NTU values.

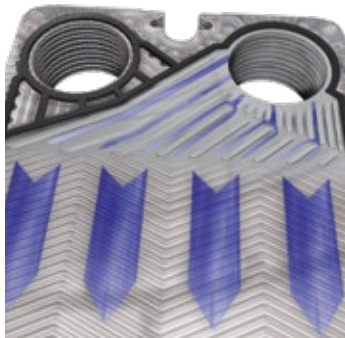
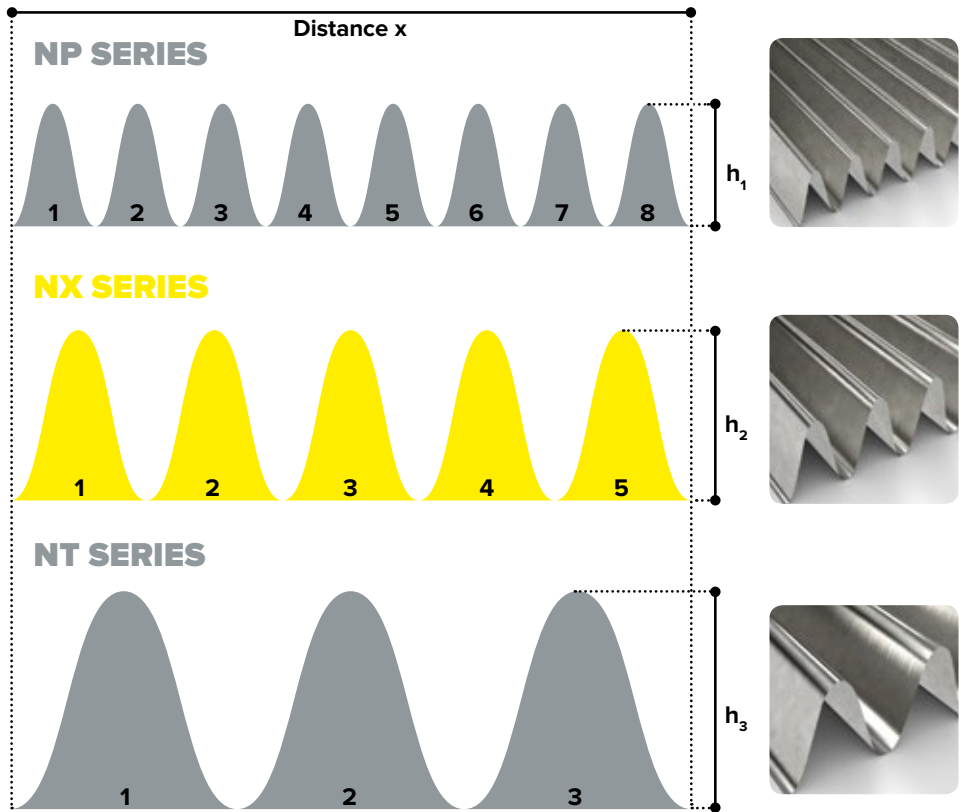
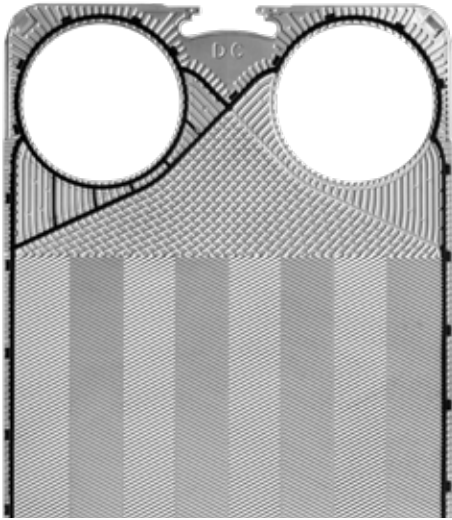
The NX series is optimal for maximum uptime and hardware life. This helps in conserving both power and money in many systems and plants.

## ADVANTAGES

- ▶ **MAXIMUM UPTIME AND HARDWARE LIFE**
- ▶ **OUTSTANDING ENERGY EFFICIENCY**
- ▶ **HIGH PRESSURE RESISTANCE**
- ▶ **MAXIMUM HEAT TRANSFER RATES**
- ▶ **EXTREMELY SMALL TEMPERATURE DIFFERENCES**
- ▶ **OPTIMISED MEDIA DISTRIBUTION**

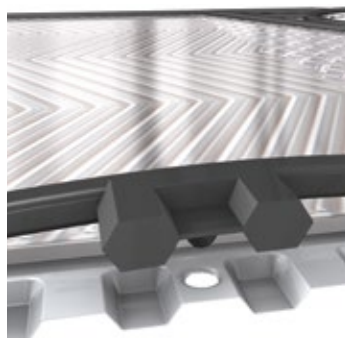
# PRINCIPLE

The NX plate series has a narrow plate gap and is supplementing the product portfolio to serve customer needs with the perfect match for a demanding application.



## 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.

Type	Unit Width		Unit Height		Connection		Maximum Flowrate		Maximum Design Pressure	
	mm	inch	mm	inch	DN	inch	m <sup>3</sup> /h	USGPM	barg	psig
<b>NX25M</b>	180	7,09	570	22,45	25	1	10	40	25,0	363
<b>NX80M</b>	435	17,13	1.271	50,04	80	3	100	440	30,0	435
<b>NX100X</b>	540	21,26	1.952	76,86	100	4	160	700	27,7	402
<b>NX150X</b>	640	25,20	2.377	93,59	150	6	380	1670	27,7	402
<b>NX250L</b>	895	35,24	2.866	112,84	250	10	1050	4620	27,7	402
<b>NX350M</b>	1.135	44,69	3.113	122,56	350	14	2070	9110	13,8	201