

# Tremendous! 20,000 gpm Volume Flow!

## The New Generation of Plate Heat Exchangers

### INTRODUCING THE NEW NT 500!

#### The new benchmark for profitability

Higher performance, more applications and less investment cost: the new versatile NT Series fulfills the requirements of the industry and sets economical standards for future plate heat exchangers.

##### Top Performance

- second to none ratio of heat transfer to pressure drop
- minimized heat transfer area through greater efficiency
- reduced fouling due to OptiWave™ design
- extended gasket lifetime due to the glueless EcoLoc™ gasket design

##### Reduced Operational Costs

- true 500 mm (20") plate port hole size to minimize pressure drop and increase capacity
- minimized heat exchanger connection costs through optimized capacities
- simplified maintenance due to new gasket and attachment technology, facilitating service and perfect fit of gaskets and plates
- various plate corrugation types and plate lengths offer an unmatched variety of solutions to suit your requirements perfectly

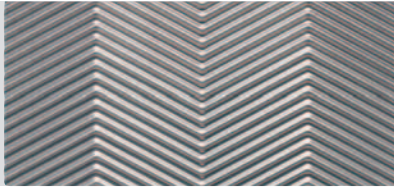
Challenge us and we will provide you with convincing solutions and service.



## New Features

### OptiWave™ design

The optimized corrugation leads to a good fluid distribution across the entire plate width. This leads to the highest heat exchange rates being achieved with the lowest pressure drop.



### PosLoc™ alignment system

With the new NT Series, we have introduced a self-aligning plate system. The result being a stable, perfectly aligned plate pack, with the gaskets lying directly above each other leading to a longer lifetime.



### EcoLoc™ gasket system

The new, glueless EcoLoc gasket ensures a quick and uncomplicated exchange of gaskets.



## The NT product range

Type	width		length		connection		max. volume flow		frames
	mm	inch	mm	inch	DN	inch	m <sup>3</sup> /h	USGPM	
NT 50 T	244	9.6	492	19.4	50	2	50	220	C-Series (compact design) in: 10, 16 bar / 150, 225 psig  B-Series (extended versions) in: 10, 16, 25 bar / 150, 225, 360 psig  Frames available in stainless-steel-overlaid or painted carbon steel (Stainless-steel frames available for: NT 50, NT 100, NT 150, NT 250).
NT 50 M			864	34.0					
NT 50 X			1226	48.3					
NT 100 T	445	17.5	897	53.3	100	4	190	830	
NT 100 M			1301	51.2					
NT 100 X			1711	67.4					
NT 150 S	545	21.3	1323	52.1	150	6	380	1670	
NT 150 L			1803	71.0					
NT 250 S	745	29.3	1736	68.1	250	10	970	4270	
NT 250 M			2033	80.0					
NT 250 L			2330	91.5					
NT 350 S	995	39.2	2138	84.2	350	14	1900	8360	
NT 350 M			2475	97.4					
NT 350 L			2812	110.7					
NT 500 T	1245	49.0	2495	98.2	500	20	4000	20000	
NT 500 M			3095	121.9					
NT 500 X			3695	145.5					

Technical modification reserved. NTE - 08/06-08/07-07/09 - inform advertising

## GEA PHE Systems – Competence in Heat Transfer

With emphasis on the highest quality standards and constant innovations, GEA PHE Systems continues to expand its market position: Within the GEA Process Equipment Division, GEA Ecoflex together with GEA ViEX, GEA WTT, GEA Ecobraze, GEA PHE Systems North America and GEA EcoServe forms GEA PHE Systems, the Center of Competence and Service for gasketed, fully welded and brazed plate heat exchangers of GEA Group:

- HVAC
- sugar
- paper
- power
- general industry
- refrigeration
- chemical
- food
- marine
- renewable energy

The specifications contained in this printing unit are intended only to serve the nonbinding description of our products and services and are not subject to guarantee. Binding specifications, especially pertaining to performance data and suitability for specific operating purposes, are dependent upon the individual circumstances at the operation location and can, therefore, only be made in terms of precise requests.

Your contact:



For USA  
**GEA PHE Systems North America, Inc.**

100 GEA Drive · York, PA 17406 · USA  
 Phone: 717 268-6200 · Fax: 717 268-6163  
 info.geaphena@geagroup.com · www.gea-phe.com/usa

For Canada  
**GEA ViEX Inc.**

1201 Nicholson Road · Newmarket, Ontario · L3Y 9C3 · Canada  
 Phone +1 905 954-1325 · Fax +1 905 954-1391  
 info.geaviexca@geagroup.com · www.gea-phe.com/usa