

# NT Plate Heat Exchangers

*The new*  
**Plate heat exchanger  
generation**

*Higher performance*, more applications and even less investment: the new versatile NT series fulfils the requirements of the industry and sets economical standards for future plate heat exchangers.

*Higher performance* – an optimised plate design which enables your wishes to come true, in that higher heat transfer can be achieved with less surface area. This simply means: less investment.

*More applications* – a universal plate program creates flexibility, through which your requirements can be realised even more accurately.

*Quicker maintenance* – new gasket & attachment technology making servicing easier and providing a firm, perfect fit of gaskets and plates.

The NT series offers every plate type in various lengths and profile variations that ensures an accurate answer to any requirement.

*Your  
advantages  
at a glance:*

- high heat transfer rates
- low investment and service costs
- optimised distribution of media
- high pressure resistance
- simplified handling
- quick and safe gasket replacement
- flexible solutions for special requirements
- non-standard materials available
- leading manufacturer's know-how



# New Features

## OptiWave-design

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

## PosLoc-fixation

With the new NT series, we have introduced a self-centering 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, glue-free EcoLoc gasket ensures a quick and uncomplicated exchange of gaskets.



## The NT product range

<b>NT 50</b>	<b>NT 50 T</b> 492 mm / 19.4 inches		<b>NT 50 M</b> 864 mm / 34.0 inches		<b>NT 50 X</b> 1226 mm / 48.3 inches	type length
basic dimensions: width 244 mm / 9.6 inches, connection diameter DN 50 / ANSI 2", max. volume flow 40 m <sup>3</sup> /h / 175 USGPM						
<b>NT 100</b>	<b>NT 100 T</b> 897 mm / 53.3 inches		<b>NT 100 M</b> 1301 mm / 51.2 inches		<b>NT 100 X</b> 1711 mm / 67.4 inches	type length
basic dimensions: width 445 mm / 17.5 inches, connection diameter DN 100 / ANSI 4", max. volume flow 190 m <sup>3</sup> /h / 830 USGPM						
<b>NT 150</b>		<b>NT 150 S</b> 1323 mm / 52.1 inches		<b>NT 150 L</b> 1803 mm / 71 inches		type length
basic dimensions: width 545 mm / 21.3 inches, connection diameter DN 150 / ANSI 6", max. volume flow 350 m <sup>3</sup> /h / 1540 USGPM						
<b>NT 250</b>		<b>NT 250 S</b> 1736 mm / 68.1 inches	<b>NT 250 M</b> in development	<b>NT 250 L</b> 2330 mm / 91.5 inches		type length
basic dimensions: width 745 mm / 29.3 inches, connection diameter DN 250 / ANSI 10", max. volume flow 900 m <sup>3</sup> /h / 3960 USGPM						
<b>NT 350</b>		<b>NT 350 S</b> 2138 mm / 84.2 inches	<b>NT 350 M</b> 2470 mm / 97.2 inches	<b>NT 350 L</b> 2812 mm / 110.7 inches		type length
basic dimensions: width 995 mm / 39.2 inches, connection diameter DN 350 / ANSI 14", max. volume flow 1900 m <sup>3</sup> /h / 8380 USGPM						
Painted frames: CD series (compact design) with 10 and 16 bar according to AD-2000 and with 100 psi according to ASME. B-series (extended version) with 10, 16 and 25 bar according to AD-2000 and with 100, 225 and 300 psi according to ASME. Stainless steel frames available according to AD 2000 as solid or clad versions.						

## GEA Ecoflex GmbH

For more than 75 years, GEA Ecoflex has been developing customer-oriented and cost-optimised plate heat exchanger solutions for the following fields of application:

- HVAC
- food
- refrigeration
- life science
- sugar
- marine
- chemical
- power
- paper
- ethanol



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