

**GEA PHE Systems – Tailor-made** plate heat exchanger solutions



### Precision with tradition

Within the GEA Heat Exchangers Segment we utilize our focussed state-of-the-art process and project knowledge from the whole scope of heat exchanger technologies in each of our products. Produced in a worldwide network of modern manufacturing facilities our plate heat exchangers (PHEs) are individually tailored to their heat exchanging processes: the size of their heat transfer areas, the selection of the plate materials, their surface profiles and flow control properties, the wide range of gaskets and connection variants create an almost unlimited modular system for tailor-made heat exchanger solutions, offering problem-free upgrading or downsizing.

The worldwide increase in costs for energy and materials, stricter safety standards and environmental protection measures and the dynamic developments on the global competitive market determine the cornerstones of our future development work. This will be in new plate and gasket materials, in ever-thinner, but also wear-resistant plates with even more complex surface structures to optimise flow control, in even simpler to manage gaskets, and in the continued optimisation in the fields of cleaning and maintenance.

#### The future-oriented alternative

Plate heat exchangers by GEA PHE Systems separate performance increases as much as technically possible from the consumption of energy, materials, surface areas and operational costs and this makes these PHEs a future-oriented alternative for customers. The development of the world's first plate heat exchangers for pasteurising milk a good 80 years ago showed us the way forward to utilize these laws of nature for sustainable heat transfer. Since that time our scientists, engineers and technicians have been improving and varying this apparently simple, but actually highly complex and demanding technology of plate heat exchangers: Liquids or gases at different temperatures flow through channels between separate, corrugated plates and transport thermal energy from the system with the higher temperature to the system with the lower temperature.

This might sound a relatively simple process, but it is used in almost every field of industry, modern building and machinery in the world and calls for the highest standards in material development, engineering, manufacture and maintenance: Our plate heat exchangers are energy-conscious and safety-sensitive process components with high performance ranges and have considerable influence on the productivity and degree of sustainability of industrial processes, building air conditioning and automotive systems. PHEs operate in part under extreme conditions in retail marketing cooling chains, in the foodstuffs and beverage industries, in power generation and in transportation and logistics systems as well as in the high-rise buildings of the world's metropolitan centres – reliable and safe for humans and the environment, compatible with climate and resources, economic for users and operators.

#### Therefore GEA PHE Systems

- Comprehensive engineering and production knowledge
- Know-how transfer within
   GEA Heat Exchangers ensures
   innovative technical solutions
- Special process knowledge guarantees optimum design of the plate heat exchangers
- Worldwide after-sales & service network

# Tailor-made solutions At home in all fields

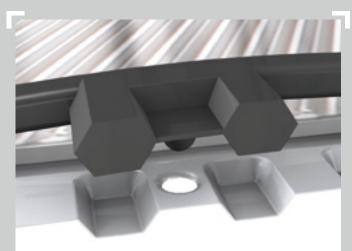
As the world's leading manufacturer and developer of plate heat exchanger technology we can offer one of the widest ranges on the market. Our product ranges include gasketed, brazed and fully welded plate heat exchangers. We also offer process-optimised model ranges, unique in their variety and diverse specialist functions. And this makes us the first choice when it comes to developing tailor-made solutions for your applications.

All of the companies within GEA PHE Systems make above-average investments in research and development. Organisation and coordination of knowledge transfer within the group plays a leading role here to ensure that the core competence is safeguarded and developed further. And this is all to the direct benefit of our customers. Without our comprehensive R&D work it would be impossible to develop ever more powerful plates for new fields of application.



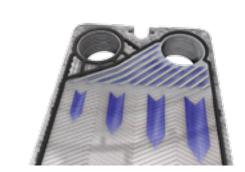
# **NT Series**

# Cutting-edge technology for all applications

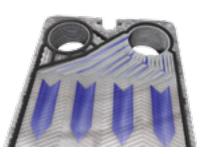


**EcoLoc gasket system** 

The innovative adhesive-free EcoLoc gaskets can be replaced quickly and easily.



Conventional plate design



OptiWave design

The optimised corrugation results in the highest heat transfer rates across the complete plate width.

The new NT Series offers the widest variety of applications. Thanks to plate types available in numerous lengths and profile variants the NT Series can meet every demand. It is distinguished by higher performance, more possibilities and reduced investment costs.

Thanks to the optimised plate design of the NT Series you can achieve your goals with less heat transfer surface area and therefore save on investment costs. Together with the flexible and universal plate range the NT Series can now be configured even more exactly and flexibly to your objectives and field of application.

### Your advantages at a glance

- Maximum heat transfer rates
- Minimum investment and maintenance costs
- Optimum media distribution
- High pressure resistance
- Simplified installation
- Fast and reliable gasket replacement
- Flexible solutions for special demands
- Special materials available



# **NX Series**

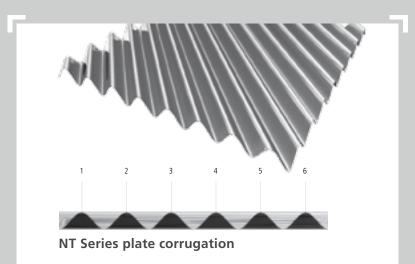
# High performance for efficient district cooling

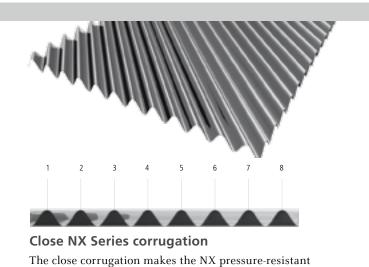
### Advantages at a glance

- High pressure-resistance
- Excellent energy efficiency
- Maximum heat transfer rates
- Extremely small temperature differences
- Low costs for investment, operation and maintenance
- Compact, space-saving design
- OptiWave design
- PosLoc assembly
- EcoLoc gasket system

Our NX plate heat exchangers are based on the successful NT technology. They were specially developed for high-performance remote cooling systems requiring minimum temperature differences and maximum pressure-resistance.

The strengths of the NX Series come to the fore in extreme climate zones and in high-rise buildings when used as system separation for different operating pressures. Pressure resistance is up to 29 bars, equivalent to a water column of 290 metres in height. Temperature fluctuation is a maximum of 1°C and is therefore more than a match for even the most demanding tasks.





ensuring high turbulence in the flow behaviour.



# **LWC Series**

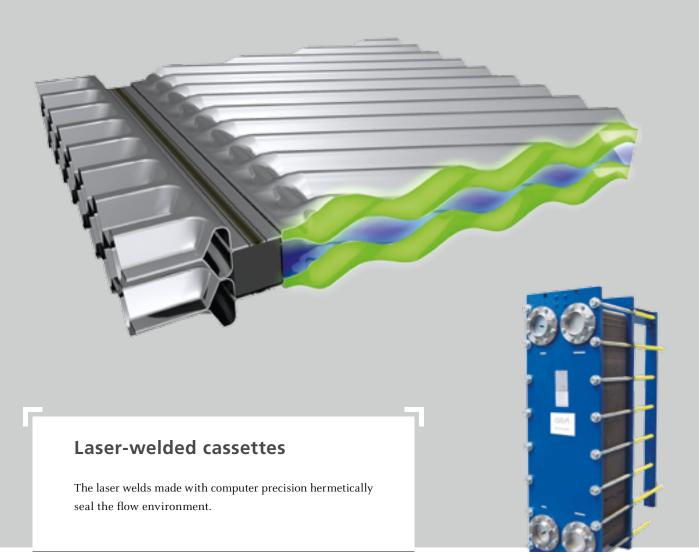
# **Double NT technology for critical media**

When handling critical media, conventionally gasketed plate heat exchangers quickly reach their limits. GEA PHE Systems resolve this problem using state-of-the-art technology. The laser-welded cassettes contained in the LWC plate heat exchangers ensure safe and reliable flow of aggressive products.

LWC plate heat exchangers are based on the plate technology from the NT Series and are produces using the latest methods for computation, design and manufacture. Our LWC plate heat exchangers operate using the principle of 100 % separation of the flow channels. Many industrial applications are only possible using this strict separation.

### Advantages at a glance

- Laser-welded cassettes guarantee highest process reliability even with aggressive media
- Low investment costs thanks to maximum heat transfer
- Reliable function based on tried-and-tested technology
- Simple assembly, access for cleaning on product side



# FA Free Flow Series

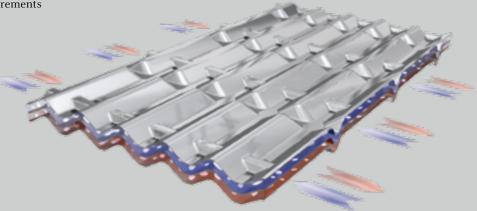
### For media containing solids and pulp

### Advantages at a glance

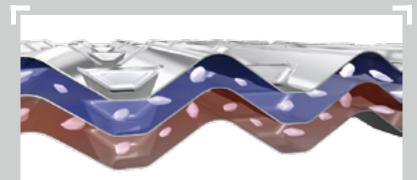
- Blockage-free operation with a constant gap width
- FA 159 and FA 161 with no metal supports
- Plates available in various sizes, gap widths and materials
- NBR and EPDM gasket materials
- Special gaskets, such as FPM are possible in certain models
- The alternative to shell-and-tube and spiral heat exchangers, due to lower investment and operating costs and reduced space requirements

Our Free Flow plate heat exchangers are ideally suited for media containing solids and pulp. With their low investment and operating costs these are a viable alternative to shell-and-tube and spiral heat exchangers.

The capabilities of conventional plate heat exchangers are often not sufficient particularly for media containing solids and pulp. And this is where the strengths of our Free Flow plate heat exchangers come to the fore. Their special feature is the constant flow gap width between the individual plates and the coarse corrugation of the actual plates. The gap between the plates can be up to 12 mm.







### **Free Flow**

The constant gap width ensures blockage-free operation.

# Concitherm

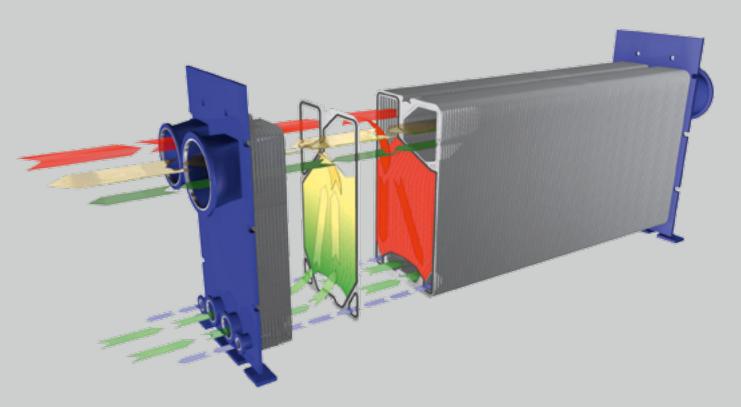
# High performance for high vapour volumes

The Concitherm Series provides particularly high performance in rising-film plate evaporators often found in the sugar processing industry. They can also be used as boosters in combination with conventional tube-type evaporators.

The optimised plate structure of the Concitherm Series makes it possible to have wide gaps with no contact points over up to 3  $\rm m^2$  of heat transfer area. At the same time these PHEs offer a convincing 100 % higher transfer compared to conventional shell-and-tube heat exchangers.

### Advantages at a glance

- 3 m² of heat exchange area per laser-welded cassette ensure high evaporation performance and compact design
- No clogging and easy cleaning reduce production costs



### Safeguards your products

Low residence times protect your product from damages.



# Varitherm Systematic product variety

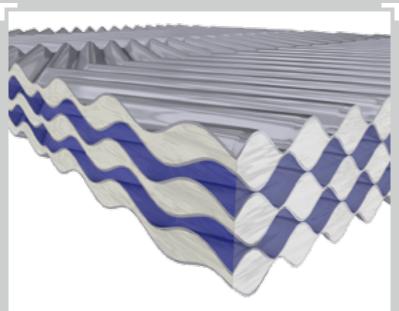
### Advantages at a glance

- Operating pressure up to 25 bars, test pressure up to 32.5 bars
- Plates in various sizes, corrugations and materials
- Adhesive-free LocIn gasket system for model sizes VT 20 to VT 80
- NBR, EPDM and FPM gasket materials
- Special gasket materials, such as silicone, Hypalon and butyl available on request
- Lacquered frames for all model sizes
- Stainless steel frames for model sizes VT 04 to VT 80

Whether in heating or cooling of liquids containing particles of up to 2 mm in size, in condensing vapours or in gas cooling and gas dehumidifying in special cases – Varitherm plate heat exchangers offer a convincing solution with the widest range of possible applications.

The Varitherm Series has two convincing arguments in its favour. Firstly there is a wide range of materials available, including 1.40301 / AISI 304, nickel-based alloy, Incolloy, nickel, tantalum and titanium. Secondly it comes with an individual plate pack that can be easily expanded to meet your future needs. And this makes the Varitherm Series the optimum economic solution for just about every application.





### Gentle product handling

The gentle treatment of products caused by the soft corrugation makes the Varitherm the obvious choice for the foodstuffs industry.

### **GG** Series

# Free of non-ferrous metals for heating drinking water

Extremely efficient and reliable plate heat exchangers are essential during the heating process to ensure that drinking water remains a safe and healthy staple. Our plate heat exchangers meet both European and international standards and operate with the reliability you expect from GEA PHE Systems as the market leader.

We view strict constraints and legal regulations as a challenge. With its GG Series GEA PHE Systems is presenting a convincing solution to the complexities involved in heating drinking water. In their quest to develop a plate heat exchanger free of non-ferrous metals our experts have found a solution which is both cost-effective and hygienically pure.

The GG Series elegantly combines the numerous advantages of our gasketed and brazed plate heat exchangers. A special gasket, combined with stainless steel plates and a revolutionary frame design form the basis for a low-cost, food-safe heat exchanger.

### Advantages at a glance

- Preferred for drinking water applications
- Corrosion-proof
- Cost-effective
- Long service life
- Materials coming into contact with the product listed by FDA
- Low weight
- Minimum space requirements for installation

### **Convincing solution**

With its GG Series GEA PHE Systems is presenting a convincing solution to the complexities involved in heating drinking water. It combines the many advantages or our gasketed and brazed plate heat exchangers.



### **EcoBraze**

# For heating systems, as economizers, evaporators or for swimming pools

#### The GBS Series

is a brazed all-rounder and can be used for applications at up to 30 bars and +200 °C.

#### The GBH Series

is designed for high pressures of up to 45 bars and uses only the efficient and ecofriendly R410A refrigerant.

#### The GML Series

is suitable for refrigeration and air conditioning tasks where pressures of up to 140 bars have to be handled without any problems.

# Copper-brazed and available in 17 sizes for versatile use in:

- Heating and service water systems
- Underfloor heating
- Subcoolers and condensers
- Economizers
- Refrigerant evaporators
- Oil coolers and many other industrial applications

# Copper-brazed and suitable for high pressure applications such as:

- Evaporators in air conditioning systems
- Heat pumps for heating systems and hot water generation
- Process cooling
- Economizers
- Subcoolers and condensers

# Copper-brazed and designed for the safe use of CO<sub>2</sub>:

- Resistant to extremely high pressures
- CO<sub>2</sub> is a climate-neutral refrigerant
- Compact and space-saving
- Future-oriented system is an economic and cost-effective solution

# Always a suitable solution at hand

The brazed plate heat exchangers from GEA PHE Systems offer tailor-made solutions for the widest range of applications. Thanks to the compact design and simple installation our EcoBraze Series can be supplied as individual plate packs at short notice.

Depending on the specific application we select either copper or nickel braze for the plate heat exchangers. We configure the most economically favourable model for you from the wide range of available sizes and the numerous optional features and adapt this with individually positioned connections to exactly meet your requirements.





#### The DW Series

stands for "Double Wall" and this feature offers hermetically sealed plates for pressures of up to 45 bars.

# Copper-brazed to meet the widest range of challenges:

- Double-walled safety design
- Reliable media separation
- Copper used as braze
- Revised plate design
- More pressure-resistant and powerful
- Designed for building connection stations and heat pumps

#### The GNS Series

is nickel-brazed and considerably more stable towards corrosive media than copper-brazed plate heat exchangers.

### Nickel-brazed and with all of the advantages of copper-brazed heat exchangers for use in:

- Laser cooling
- Applications using deionised water
- Ammonia systems
- Demineralised water and corrosive liquids

### The XCR Series

is manufactured from SMO 254 stainless steel and is corrosion-proof even with the high chlorine contents commonly found in swimming pool applications.

# Nickel or copper-brazed for use in swimming pools:

- Long service life thanks to high-quality stainless steel
- Corrosion-proof even with high chlorine levels
- On request individual checking of chlorine/temperature ratio



# **GEABloc**

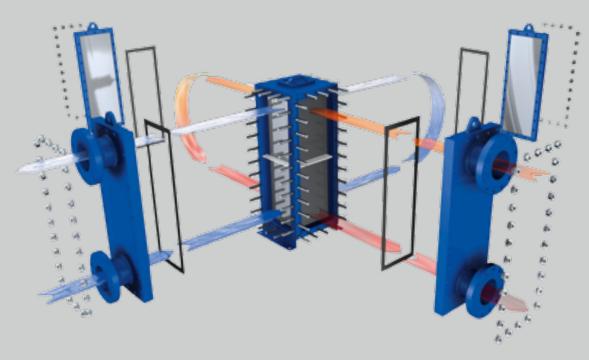
# Fully welded for oil, gas and petrochemicals

### Advantages at a glance

- Easy cleaning thanks to simple opening of the unit
- Fully welded plate pack
- Can be used at temperatures up to 350 °C and pressures up to 35 bars
- Low space requirements and easy to install
- Access from both media sides
- Chevron and dimple corrugation patterns

The GEABloc is a fully welded plate heat exchanger used predominantly in the oil and gas industry and for chemical and petrochemical applications.

The solidly bolted frame comprises four columns, top plate and bottom plate, together with four side plates. These can be removed quickly, providing free access from all sides to carry out thorough and simple cleaning of the fully welded plate pack. Two different plate corrugation patterns are available. The chevron corrugation allows effective heat transfer. The dimple corrugation is the preferred design for high-viscosity media.





### Easy to open – quick to clean

All components in contact with the media are made of high-quality alloys or materials. The bolted frame allows easy access for maintenance and cleaning works.

# **GEAFlex**

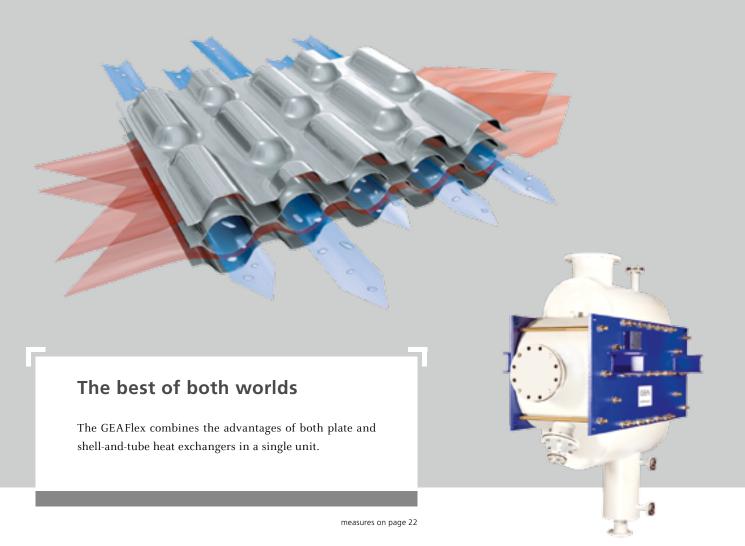
# Fully welded for multiple applications

The GEAFlex combines the advantages of both shell-and-tube and plate heat exchangers in a single unit. And this makes it the obvious choice for the widest range of applications: as condensor in power station engineering, as plate fall film evaporator in the sugar industry, as condensor, evaporator and heat exchanger for the thermal treatment of 2-phase mixtures in the chemical, petrochemical, and oil and gas industry. Due to its flexible configuration it is also successfully utilized as head condenser.

The plate structure permits high performance density Efficient turbulent heat transfer is possible even at minor temperature differences and varying flow rates. Pressure loss on the tube side is low even with large flow rates. Cleaning efforts are noticeably lower in comparison with conventional solutions.

### Advantages at a glance

- On the large flow cross-section tube soiled media can be fed in
- Operation under vacuum with lowest pressure loss
- Heat transfer surface areas over 12,000 m² in one unit are possible
- High condensation capacities up to 200 MW and condensate depression in one unit
- Variable temperature differences up to 550°C
- Variable pressure differences up to 40 bar as well as high pressure difference between the media



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# **GEABox**

# Fully welded. To keep the media flowing

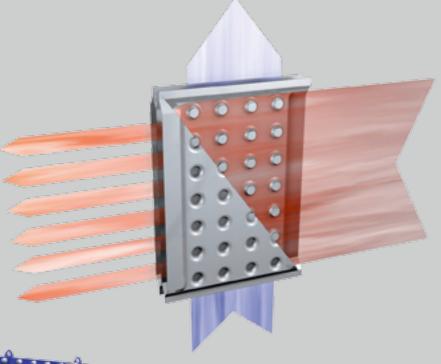
### Advantages at a glance

- Channels designed for true free flow guarantee blockage-free operation
- High efficiency in heat transfer compared to shell-and-tube heat exchangers
- Easy cleaning and maintenance, no need to dismantle pipework
- Low space requirements: saves the space normally needed to pull out the tubework from shell-and-tube units, meaning a small installation footprint

Attractively low capital investment costs

Thanks to its wide flow gap the GEABox offers genuine free flow without any contact points, meaning that it is perfectly suited for use with liquids loaded with fibres, cellulose, solids or sludge. It can also be used as reboiler, condenser or in steam/gas applications.

The GEABox combines Free Flow technology with the advantages of both plate heat exchangers and shell-and-tube heat exchangers. This means that it covers a vast spectrum for customer-specific heat transfer solutions. Our long years of engineering know-how and competence in optimising heat transfer performance underscore our understanding of the demands inherent in our customers' processes and our ability to develop appropriate solutions.





### Free flow for all media

Thanks to genuine free flow channels perfectly suited for liquids loaded with fibres, cellulose, solids or silt.

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# **REKULUVO / REKUGAVO**

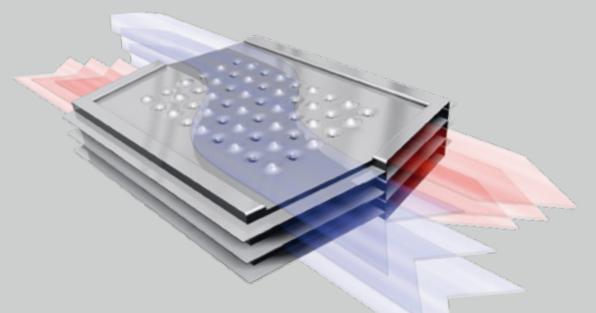
# Fully welded. Maximum performance for air and gas

Our REKULUVO and REKUGAVO flue gas heat exchangers were specially developed for applications involving noxious, gaseous media. These are used in thermal power stations, ammonia and methanol plants and in environmental engineering.

Our REKULUVO/REKUGAVO units come into their own when extremely powerful waste air and flue gas heat exchangers are called for, for example to preheat intake combustion air or heat flue gases up to catalyst reaction temperatures. Using the countercurrent principle REKULUVO/REKUGAVO heat exchangers achieve an extremely high recovery rate of up to 97 percent.

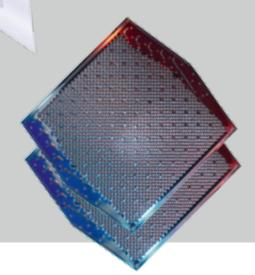
### Advantages at a glance

- Can be used for noxious materials, such as sulphur, chlorine and fluoride
- Recovery efficiency of up to 97 %
- Flow rate of between 5,000 and approx. 2,000,000 Nm³/h
- Suitable for temperatures of up to 550 °C
- Can handle pressure differences of up to around 400 mbars



# Maximum performance for air and gas

The flow rates are between 5,000 and 2,000,000 Nm<sup>3</sup>/h. Air and flue gas are circulated at these rates without any problems up to a temperature of 600 °C. With a recovery rate of up to 97 percent!

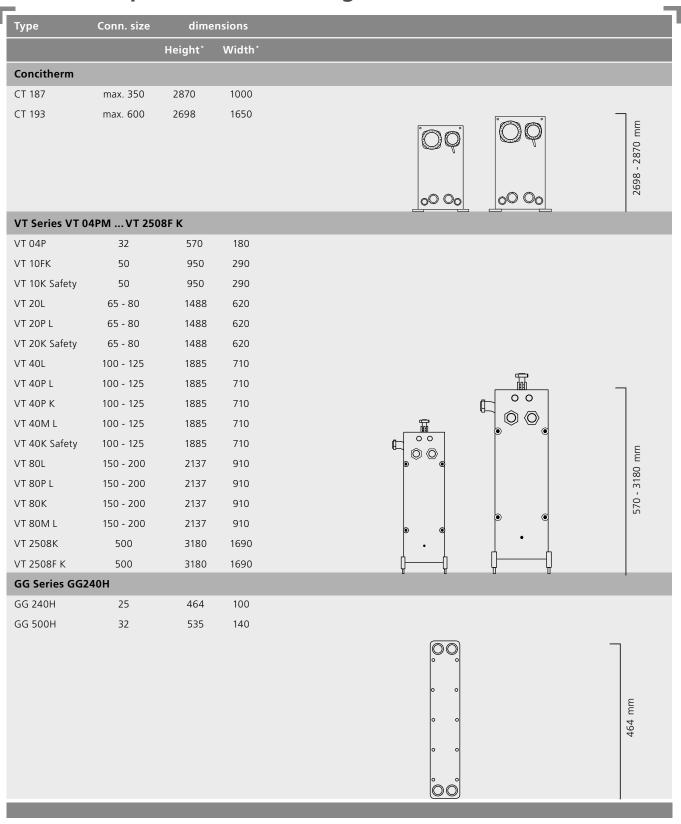


# **Gasketed plate heat exchangers**

Туре	Conn. size	dime	ensions			
		Height*	Width*			
NT Series 50T	150L					
NT 50T	50	670	323			
NT 50M	50	930	300			_
NT 50X	50	1390	323			_
NT 100T	100	1110	540			670 - 2197 mm
NT 100M	100	1516	540			2197
NT 100X	100	1952	540			- 02
NT 150S	150	1717	640		ļ	9
NT 150L	150	2197	640			
NT Series 250	S500X					
NT 250S	250	2272	895			
NT 250M	250	2569	895		_	
NT 250L	250	2866	895			
NT 350S	350	2776	1135	<b>9</b>		٤
NT 350M	350	3113	1135			2272 - 4479 mm
NT 350L	350	3450	1135		•	- 44
NT 500T	500	3257	1415			272
NT 500M	500	3868	1415			2
NT 500X	500	4479	1415			
NX Series 100	X 250L					
NX 100X	100	1952	540			7
NX 150L	150	2197	640	<b>9</b>		E E
NX 150X	150	2377	640		• • • •	998
NX 250L	250	2866	895			1952 - 2866 mm
						195
LWC Series 10	00T 250L					
LWC 100T	100	1110	540			_
LWC 100M	100	1516	540			
LWC 100X	100	1952	540	ÖÖ		m c
LWC 150S	150	1717	640			2866
LWC 150L	150	2197	640	: :		1110 - 2866 mm
LWC 250S	250	2272	895			1
LWC 250L	250	2866	895			
FA Free Flow						
FA 159	50	1334	504			
FA 161	80 - 100	1780	610			
N 40	100 - 125	1570	710			
FA 184	200	2015	910			
FA 192	350	2765	1370		.OO.	E E
NF 350	350	3450	1380			1334 - 3450 mm
					•	34 - 3
						133

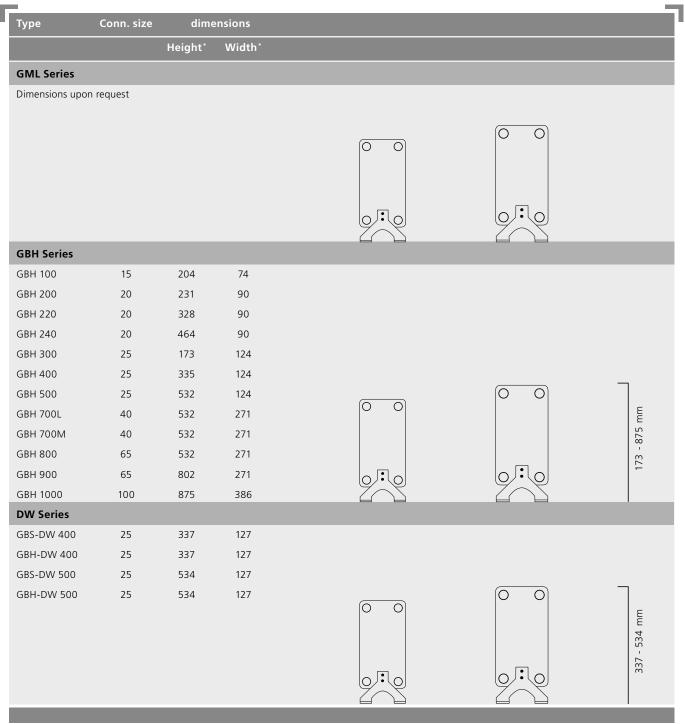
[18] GEA PHE Systems \* in mm / drawings not to scale

# Gasketed plate heat exchangers



<sup>\*</sup> in mm / drawings not to scale

# **Brazed plate heat exchangers**



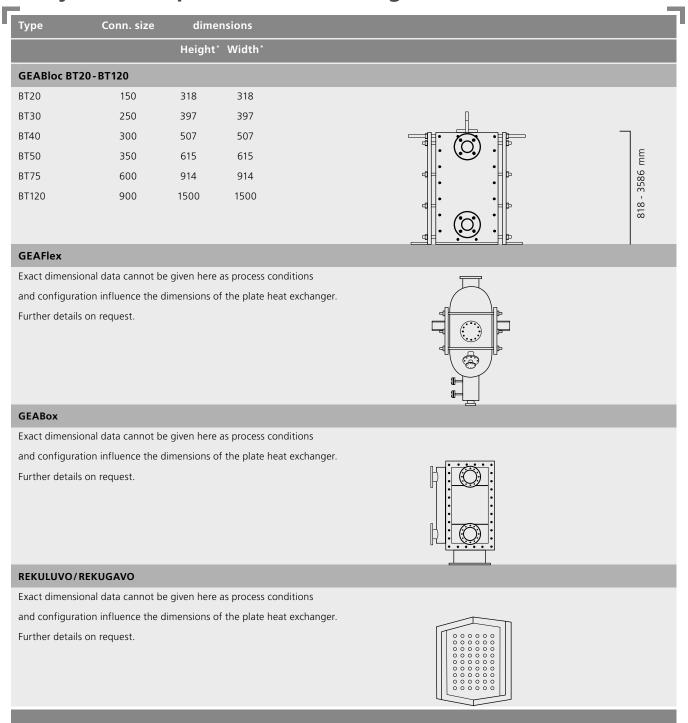
\* in mm / drawings not to scale

# **Brazed plate heat exchangers**

Туре	Conn. size	dime	ensions			
		Height*	Width*			
GBS Series						
GBS 100	15	204	74			
GBS 200	20	231	90			
GBS 220	20	328	90			
GBS 240	20	464	90			
GBS 300	25	173	124			
GBS 400	25	335	124			
GBS 418	20	282	127			
GBS 420	32	282	127			
GBS 500	25	532	124	$\bigcirc$		
GBS 525	25	525	118			
GBS 700	40	532	271			173 - 875 mm
GBS 757	60	543	281			875
GBS 760	80	519	257			73 -
GBS 800	65	532	271			_
GBS 900	65	802	271			
GBS 910	65	783	318			
GBS 1000	100	875	386	$[O \ O]$	$[O \ O]$	
GNS Series						
GNS 100	15	204	74			
GNS 200	20	231	90			
GNS 220	20	328	90			_
GNS 240	20	464	90	$\bigcirc$	0 0	
GNS 300	25	173	124			E E
GNS 400	25	335	124			- 532 mm
GNS 500	25	532	124			173 - [
GNS 700L	40	532	271			17
GNS 800	65	532	271	0 0	0 0	
XCR Series						
WP/NP22-XCR	20	328	90			
WP/NP24-XCR	20	464	90			
WP/NP3-XCR	25	173	124			
WP/NP4-XCR	25	335	124	$\begin{bmatrix} O & O \end{bmatrix}$		_
WP/NP5-XCR	25	532	124			- 532 mm
WP/NP7L-XCR	40	532	271			532
WP/NP7M-XCR	50	532	271			173 -
				$\begin{bmatrix} 0 & 0 \end{bmatrix}$	$\bigcirc$	

 $<sup>\</sup>mbox{*}$  in mm / drawings not to scale

# Fully-welded plate heat exchangers



\* in mm / drawings not to scale

# **General Industries**

Keeping production running. Spraying robots, coating lines, presses, rollers, etc. GEA PHE Systems ensures the correct cooling at the right time. With maximum performance and minimum input of primary energy.



#### Plate heat exchangers for the foodstuffs industry

Foodstuffs, legislation and hygiene. Products, appearance and markets. All this is GEA PHE Systems. Our PHEs heat and cool to keep everything tasty and fresh.



### Plate heat exchangers for the sugar industry

Keeping the campaign sweet and saving energy. Our PHEs have been performing this task in the sugar cane and beet processing industry. Throughout the world. For decades.



#### Plate heat exchangers for the chemical industry

Facing up to the challenge in critical areas. The chemical industry is a further specialist area of GEA PHE Systems with individual solutions for high reliability and low energy consumption.



### Plate heat exchangers for renewable energy

Our future depends on this. Renewable bio-fuels ensure sustainable eco-friendly growth to replace fossil fuels in the long term. GEA PHE Systems is playing its part here.



### Plate heat exchangers for HVAC applications

Keeping a cool head with costs and functions. HVAC stands for heating, ventilation, air-conditioning and cooling and is a fine demonstration of the variety of technical possibilities offered by GEA PHE Systems. District heating, refrigeration, air conditioning, solar heating, swimming pools and surface coating.



### Plate heat exchangers for power supply companies

Keeping power generation safe. Our PHEs are used for turbine cooling in power stations and for cogeneration units. GEA PHE Systems is a popular choice with power station operators.



### Plate heat exchangers for heavy industry

Whether in steel making, mechanical engineering or the automobile industry – plate heat exchangers by GEA PHE Systems work reliably and safely in continuous operation.



### Plate heat exchangers for marine applications

Water knows no barriers. That's why shipowners and shipbuilders rely on the safety provided by GEA PHE Systems. To cool ship engines, generators, on-ship air conditioning. efficient and environmentally compatible.



### Plate heat exchangers for the paper industry

Efficiency is also essential in the energy-intensive paper and cellulose production and our PHEs prove their worth with high heat transfer rates and energy-saving processes.



### Plate heat exchangers for oil & gas

The compact GEABloc and GEAFlex models offer tailor-made solutions in both upstream and downstream sectors. Gaseous, liquid and even two-phase media are kept under control even under extreme conditions.



### Plate heat exchangers for refrigeration

If it has to be cooled, GEA PHE Systems has a suitable, low-cost solution. Our PHEs are typically used as economizers, desuperheaters, condensers, evaporators, oil coolers and subcoolers.



# After Sales & Service 24 hours-a-day across the globe

GEA EcoServe is the leading service specialist for plate heat exchangers of all types and makes. The range includes after sales & services from installation through servicing and spare parts supply up to preventative maintenance such as our innovative leak testing. The global network of locations ensures 24/7 service, meaning that we do our best to maintain the maximum system availability wherever and whenever you need us.

As a separate company within GEA PHE Systems GEA EcoServe is specialised in After-Sales & Services for plate heat exchangers. GEA PHE Systems is one of the world's leading manufacturers of plate heat exchangers and its competence in this field is outstanding. For decades this group of companies has played an essential role in the development of plate heat exchanger technology. The pioneering spirit is augmented as a part of the Heat Exchangers Segment of the GEA Group: Every day a wealth of knowledge and experience is at work here that is made available to all companies within the group, resulting in valuable innovations to the benefit of our customers.

This includes equipment installation. Correct assembly and installation of the units is of decisive importance for problem-free functioning. GEA EcoServe can also undertake the assembly of plate heat exchangers, when a system is delivered dismantled. Preventative maintenance is another of our services. Plate heat exchangers can suffer soiling or wear. We offer a visual inspection as a preventative measure and advise you of any necessary cleaning or maintenance works and of the expected costs. Minor soiling can also be removed mechanically immediately on location. However, the reliable alternative is mechanical or chemical treatment of the plates in the specialist workshops at GEA EcoServe.

Our central objective is to keep your equipment up and running. Trouble-free operation of your plate heat exchangers demands the use of high-quality and perfectly fitting spare parts. In addition to OEM parts we also use certified products from quality suppliers, where the attractive cost effectiveness is popular with our customers. Plates and gaskets for just about every make and model are always in stock or can be obtained at short notice.



### **GEA PHE Systems**

GEA PHE Systems is part of the
GEA Heat Exchangers Segment of the
GEA Group and comprises the following
individual companies: GEA Ecoflex, GEA ViEX,
GEA WTT, GEA PHE Systems Asia Pacific,
GEA PHE Systems North America and GEA
Ecoserve. With more than 75 years of
experience GEA PHE Systems is the global
centre of competence and service in the
field of gasketed, fully welded and brazed
plate heat exchangers.

- HVAC
- Paper
- Marine
- Power
- Sugar
- Food
- Renewable Energy
- Refrigeration
- Chemicals
- Heavy industry
- Oil & Gas

### At home across the world



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**GEA Heat Exchangers** 

**GEA PHE Systems** 

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