

GEAFlex – Fully Welded Plate Heat Exchangers

The best of both worlds

You no longer have to decide between shell-and-tube and plate heat exchangers. GEAFlex is the answer. Because this heat exchanger combines the advantages from both principles in a single unit and saves on two counts: in investment and in operation.

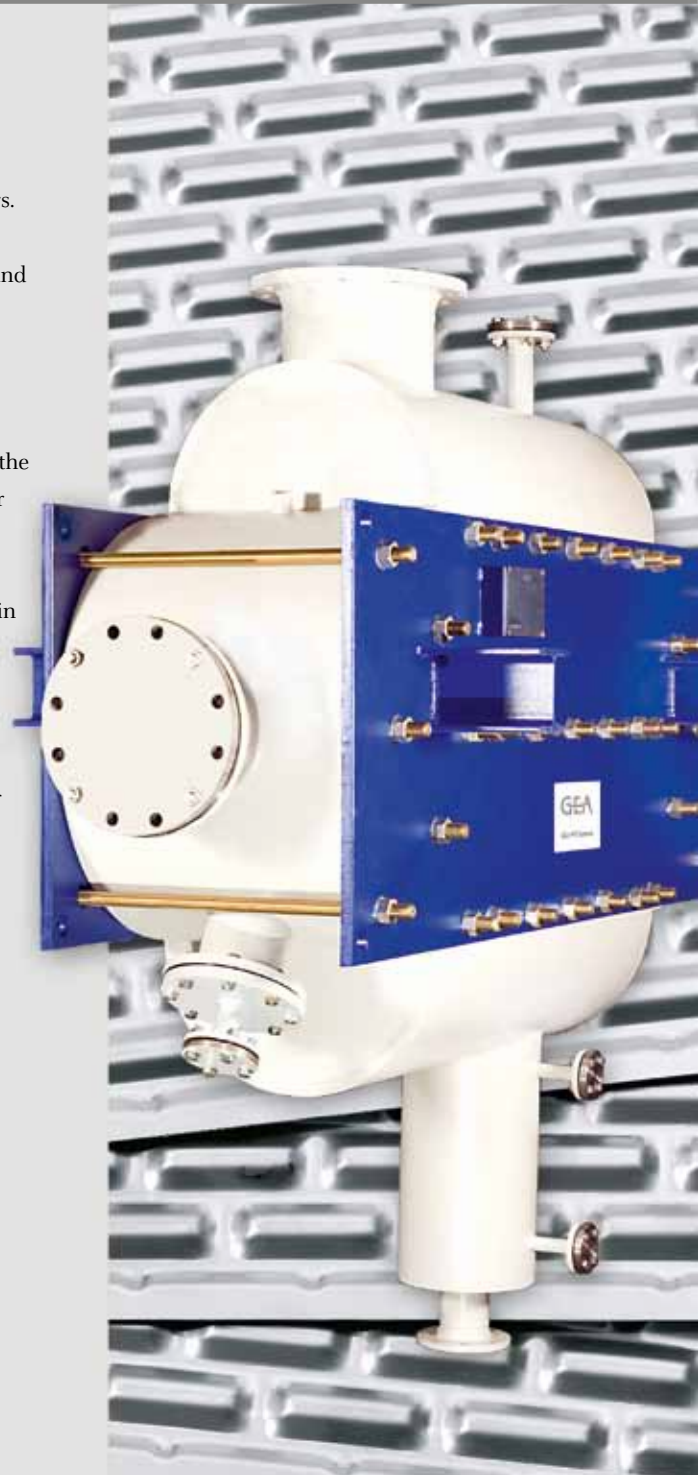
The plate structure permits high performance density, meaning that smaller heating surfaces are required, and effective, turbulent heat transfer is possible even at low temperature differences and different flow rates. Pressure loss on the tube side is low even with a high flow rate. Cleaning costs are noticeably lower in comparison with conventional solutions.

The GEAFlex is therefore predestined for multiple applications: as condenser in the chemical and petrochemical industries, in power station engineering, as sugar juice preheater or as process, heating steam and overhead condensers and in gas cooling and evaporation, etc.

In brief: the GEAFlex range offers you the maximum cost-benefit ratio in your production or application.

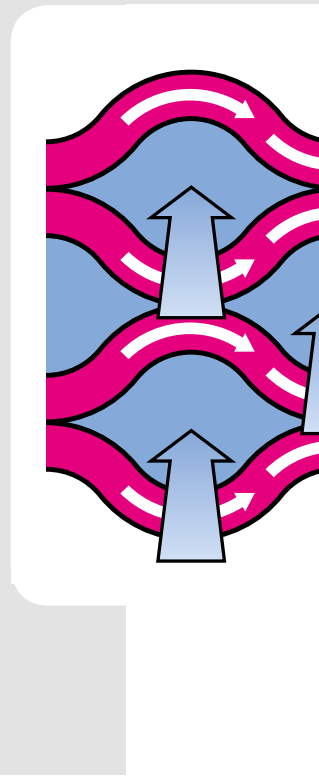
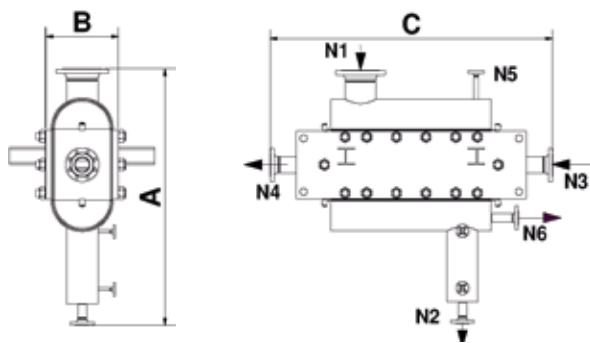
Type-tested and quickly available:

- For gas, steam and liquids
- Large flow cross-section on the tube side
- Can also be used in vacuum zones with large volume flows
- Heat transfer surface areas from 12 to 800 m²
- Up to 80 MW of condensation performance
- For temperatures up to 250° C
- Variable pressure limits: 10/16/25 bars
- Type-tested to PED, other standards on application
- Special designs are possible



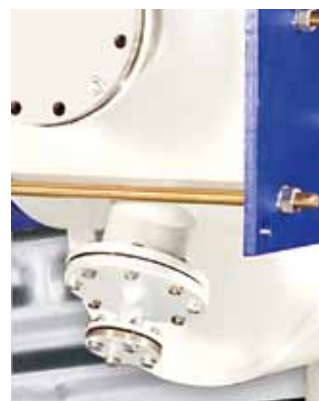
For multiple applications

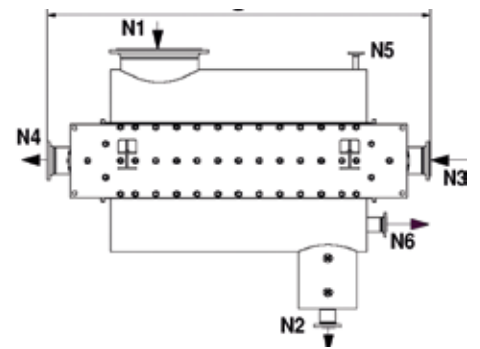
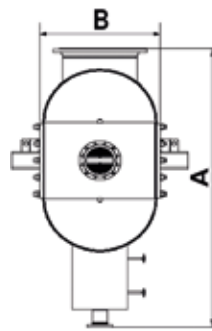
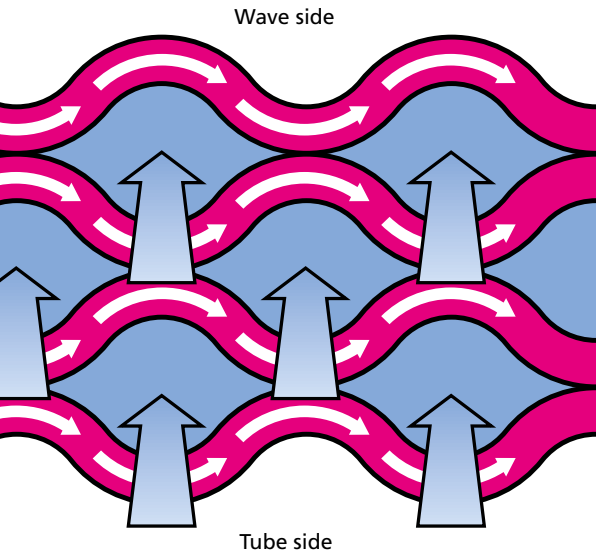
Thanks to the type-testing standard the GEAflex can be made available quickly. Materials for plates and housing can be freely selected.



The GEAflex product range: one plate pack

FTXX1-one plate pack	A	B	C	Heating area	Weight	max. Connection sizes		
	25 bar	25 bar	25 bar			Steam N1	Condensate N2	Water N3/N4
Type	m	m	m	m ²	kg	DN	DN	DN
FT201-4	1.4	0.3	1.7	12.8	830	150	80	150
FT201-5			2.0	16.0	947			
FT201-6			2.2	19.2	1063			
FT401-4	1.6	0.5	1.7	25.6	1262	300	80	150
FT401-5			2.0	31.1	1420			
FT401-6			2.2	38.5	1577			
FT401-7			2.4	44.9	1735			
FT601-5	1.8	0.7	2.0	48.1	2070	500	150	300
FT601-6			2.2	57.7	2276			
FT601-7			2.4	67.3	2482			
FT601-8			2.6	76.9	2689			
FT601-9			2.8	86.6	2895			
FT801-6	2.0	0.9	2.2	76.9	3155	700	150	300
FT801-7			2.4	89.8	3430			
FT801-9			2.8	115.4	3978			
FT801-10			3.0	128.2	4253			
FT801-11			3.3	141.0	4527			
FT1001-7	2.2	1.1	2.2	112.2	4744	800	200	300
FT1001-9			2.4	144.3	5432			
FT1001-10			2.8	160.3	5776			
FT1001-11			3.0	176.3	6120			
FT1001-12			3.3	192.3	6464			
FT1201-7	2.4	1.4	2.2	134.6	6035	900	200	300
FT1201-9			2.4	173.1	6860			
FT1201-10			2.8	192.3	7272			
FT1201-11			3.0	211.6	7684			
FT1201-12			3.3	230.8	8096			





The GEAflex product range: two plate packs



FTXX2- two plate packs	A	B	C	Heating area	Weight	max. Connection sizes		
	25 bar	25 bar	25 bar			Steam N1	Condensate N2	Water N3/N4
Type	m	m	m	m ²	kg	DN	DN	DN
FT202-4	1.9	0.3	2.1	25.6	1687	150	80	150
FT202-5			2.3	32.1	1898			
FT202-6			2.6	38.5	2109			
FT402-4	2.1	0.5	2.1	51.3	2289	300	80	150
FT402-5			2.3	64.1	2567			
FT402-6			2.6	76.9	2845			
FT402-7			2.8	89.8	3123			
FT602-5	2.3	0.7	2.3	96.2	3453	500	150	300
FT602-6			2.6	115.4	3810			
FT602-7			2.8	134.6	4166			
FT602-8			3.0	153.9	4523			
FT602-9			3.2	173.1	4879			
FT802-6	2.6	0.9	2.6	153.9	5162	700	150	300
FT802-7			2.8	179.5	5622			
FT802-9			3.2	230.8	6540			
FT802-10			3.4	256.5	6999			
FT802-11			3.6	282.1	7458			
FT1002-7	2.8	1.1	2.6	224.4	7204	800	200	300
FT1002-9			2.8	288.5	8319			
FT1002-10			3.2	320.6	8876			
FT1002-11			3.4	352.6	9433			
FT1002-12			3.6	384.7	9991			
FT1202-7	3.0	1.4	2.6	269.3	8806	900	200	300
FT1202-9			2.8	346.2	10120			
FT1202-10			3.2	384.7	10777			
FT1202-11			3.4	423.1	11433			
FT1202-12			3.6	461.6	12090			



Technical modifications reserved - GEAflex - E - 04/09 Freitag van geig

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 NA and GEA EcoServe forms GEA PHE Systems, the Center of Competence and Service Center for gasketed, fully welded and brazed plate heat exchangers of GEA Group:

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- Refrigeration
- Sugar
- Chemical
- Paper
- Food
- Power
- Marine
- General Industry
- Renewable Energy

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Your contact:



GEA Ecoflex GmbH

Karl-Schiller-Straße 1-3 · 31157 Sarstedt · Germany
 Phone +49 5066 601-0 · Fax +49 5066 601-104
 info@gea-ecoflex.com · www.gea-phe.com

GEA PHE Systems NA

100 GEA Drive · York, PA 17402 · USA
 Phone +01 717 268-6200 · Fax +01 717 268-6163
 info@geaphena.com · www.gea-phe.com

GEA Ecoflex GmbH

Schifferstr. 20-22 · 47059 Duisburg · Germany
 Phone +49 203 98420-0 · Fax +49 203 98420-198
 info@gea-ecoflex.com · www.gea-ecoflex.com

GEA ViEX Inc.

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