

FREE FLOW Plate Heat Exchangers

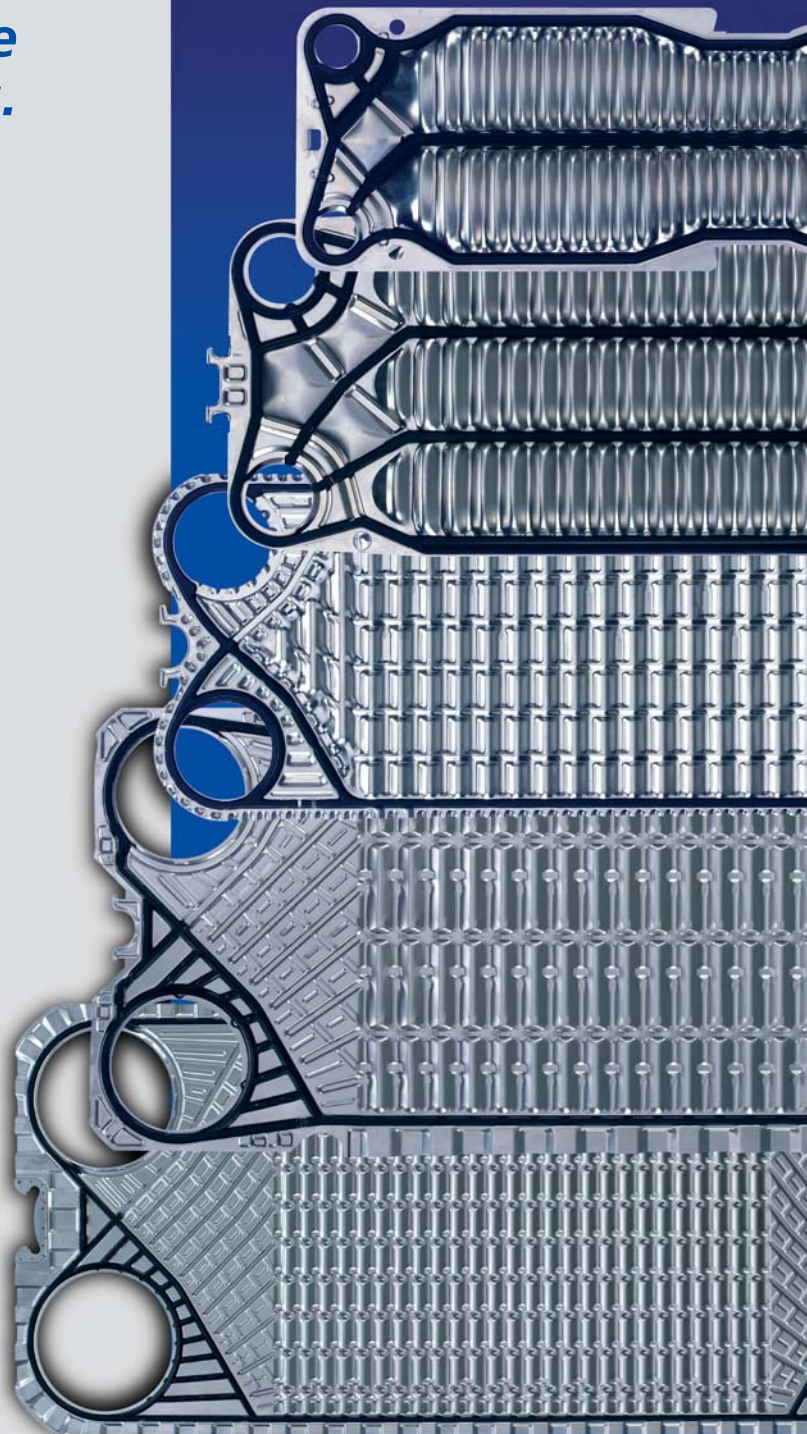
Your benefit:

***Long service life
due to free flow channels.***

FREE FLOW plate heat exchangers cover those applications where conventional plate heat exchangers reach their limits. Their special features include the constant-width gap cross-section between the individual plates and the rough-wave profiling of the plates (the clearance between the plates is up to 12 mm/0,47").

***The FREE FLOW
product range
offers you the following features:***

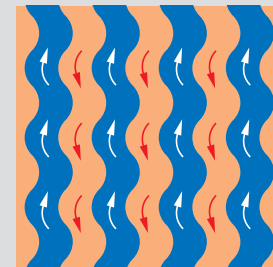
- Operation without clogging due to constant-width gaps
- THE alternative to shell-and-tube and spiral heat exchangers due to
 - low investment and operating costs
 - low space requirement
- FA 159 and FA 161 without metal supports
- Plates are available in different sizes, gap widths, and materials
- Gasket materials NBR and EPDM. Special gaskets, e.g. made of VITON, are available for some types
- Suitable for products containing fibres and solids (fruit juices containing fibres and pulp, waste water in the paper and pulp, textile and sugar industries as well as highly viscous products)



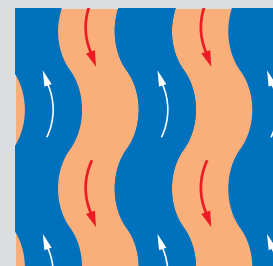
Specifications

		FA 159	FA 161	N 40	FA 184	FA 192
Plate length	mm/inch	1082/42.6	1455/57.3	1406/55.4	1794/70.6	2305/90.7
Plate width	mm/inch	320/12.6	472/18.6	432/17	678/26.7	985/38.8
Max. flow rate	m ³ /h/gpm	35/154	115/506	220/968	550/2422	1350/5944
Connection sizes (max.)	Painted frame	50/2"	100/4"	125/5"	200/8"	350/14"
	Stainless steel frame	50/2"	80/3"	100/4"		
Max. operating pressure	bar/psi	6/87	6/87	10/145	6/87	8/116
Frames	Painted	•	•	•	•	•
	With stainless steel facing	•	•	•		
	Completely made of stainless steel			•		
Plate material	1.4401/ AISI 316	•	•	•	•	•
	1.4439/ AISI 317	•	•	•	•	
	1.4547/ 254 SMO	•	•	•	•	
	Hastelloy C-276			•	•	
	Titanium			•		
Glueless gasket system			•			

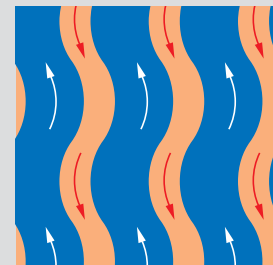
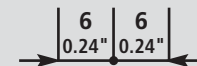
Cross-sections of GEA Ecoflex FREE FLOW plates



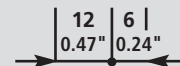
N 40



FA 159
FA 161



FA 161
FA 192



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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