Graphite Plate Heat Exchanger Series GP

Product Information (GP-1)

Graphite Plate Heat Exchanger

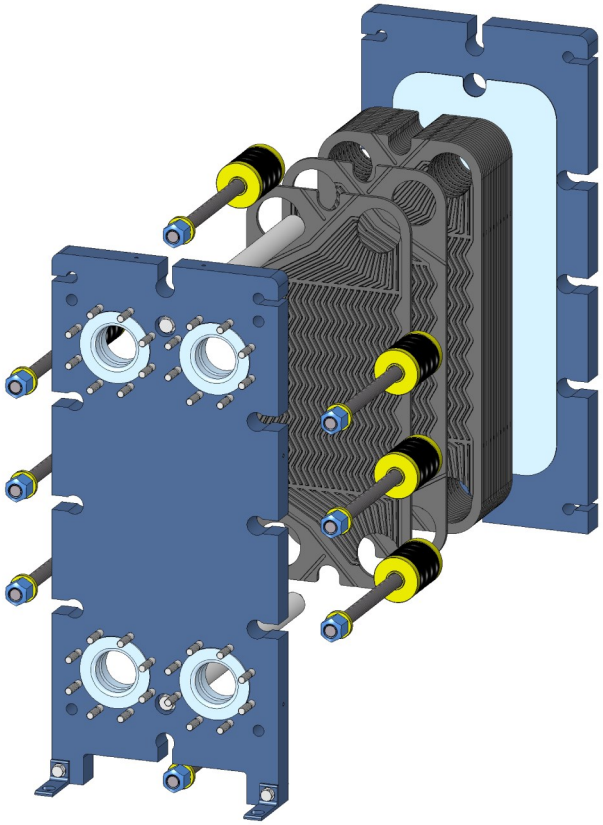
- Heat exchanger made of impregnated graphite for cooling or heating corrosive media
- Corrosion resistance against all acids (HCl, H_2SO_4, HF, etc...) and solvents
- Limited fouling thanks to high velocities and high turbulence
- Compact, modular, and expandable design
- Differential thermal expansion compensated by coil springs
- 2 different plate sizes / series: GP25 / GP40
- Heat transfer area up to 30 m²

Advantages and Special Features

High corrosion resistance to acids, halogen compounds, and solvents

Extremely high heat transfer coefficient

Excellent thermal conductivity



Graphite Plate Heat Exchanger GP40

Design Parameters

-1 bar to +6 barg

-30°C to +200°C

Nozzle sizes: DN80 / DN100 PN16

Applications

- Heating and cooling of highly corrosive liquids
- Heat interchange between two highly corrosive liquids

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Graphite and SiC Heat Exchangers and Process Equipment

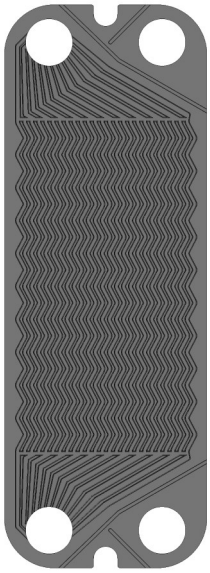
Graphite Plate Heat Exchanger
Series GP

Materials and Material Options

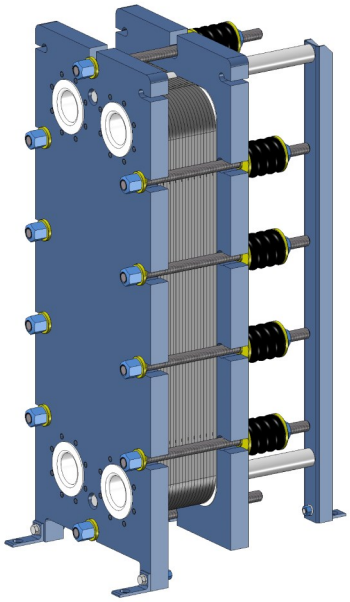
Plates:	Phenolic resin impregnated graphite GPX1 / GPX1T / optional GPX2
Frames, pressure plates:	Carbon steel
Gaskets:	PTFE
Nozzles:	PTFE lined steel
Tie rods, bolts, and nuts:	Stainless steel

Design and Inspection

- GP plate heat exchangers are designed, manufactured, tested and approved in accordance with the AD 2000 regulations as well as the Pressure Equipment Directive (PED).
- Other regulations on request



GP graphite plate



Graphite Plate Heat Exchanger GP40

Further Information

- Data sheet GP with further information and main dimensions
- Our current printed materials (brochures, corrosian resistance table, product information, data sheets,...) can also be found at www.gab-neumann.com

Further Advantages

High turbulence

Limited fouling

Modular design

Long service life

Short lead time

Low operating and maintenance costs

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