

**Gasketed Plate Heat Exchanger Market By Type (Industrial GPHE, Wide Gap GPHE, Semi Welded GPHE), By Material (Stainless Steel, Titanium, Tungsten), By End User (Food and Beverage, Oil and Gas, HVAC and Refrigeration, Chemical, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031**

Market Report | 2022-08-01 | 380 pages | Allied Market Research

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**Report description:**

The global gasketed plate heat exchanger market was valued at \$3.1 billion in 2021, and is projected to reach \$5.1 billion by 2031, growing at a CAGR of 5.2% from 2022 to 2031.

Gasketed plate heat exchanger transfer heat energy from one side to another without the two products on either side mixing. In gasketed plate heat exchanger, each heat transfer plate is fitted with an elastomeric gasket, which seals and distributes the process fluids. The heads, normally referred to as channel covers, include connections to permit the entry of the process fluid into the plate pack. In addition, it consists of a stack of individually stamped heat transfer plates made of stainless steel or other material. The plate stack is clamped using bolts in a frame consisting of a fixed cover and a moveable cover. However, to separate the two circuits, gasketed plate heat exchanger can be installed between the boiler and process circuit. Gasketed plate heat exchanger is mainly known for its compact size and high efficiency design that it offers. The channel formed by two adjacent plates is the key to the plate heat exchanger's high efficiency. The hot and cold fluids are distributed through alternate channels in a counter-current arrangement. This counter-current flow provides for maximum thermal efficiency. The flow pattern induces turbulence at very low Reynolds numbers, which contributes to high heat transfer rates. Units are custom selected to effectively optimize the available pressure drop. The fluid shear stresses in a plate exchanger are much higher than those of a tubular exchanger. This tends to keep the channels in a plate exchanger much cleaner. For clean services, the normal practice is to provide units designed for 100% of the surface area required. For fluids that foul, plate exchangers can be provided with 5-10% excess area.

Gasketed plate heat exchanger has ample of applications such as boiler / heating separation, domestic hot water (DHW) heating, steam to water heating, heat pumps, industrial process liquid heating & cooling, swimming pool heating, chemical heating &

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cooling, either in-line or on a batch process, heating, ventilating & air conditioning (HVAC), marine - (titanium plates) for uses such as main engine cooling, oil cooling, intercoolers, & deck wash water heating, dairy - milk pasteurizing, raw milk cooling, food products, & CIP wash water heating, brewing - wort cooling, beer/lager/cider conditioning, and pharmaceutical - hygienic water heating / cooling. However, rise in demand for such applications has led to surge the demand for gasketed plate heat exchanger that may act as the major driving factor for the market.

The gasketed plate heat exchanger market is segmented on the basis of Type, Material, End-use, and region. Depending on type, the market is categorized into industrial GPHE, semi welded GPHE, and widegap GPHE. On the basis of material, it is divided into stainless steel, titanium, and tungsten. On the basis of end-use, it is classified into chemical, oil & gas, HVAC & refrigeration, food & beverage, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

The global gasketed plate heat exchanger market analysis covers in-depth information about the major industry participants. The key players operating and profiled in the report include Alfa Laval, API Heat Transfer, Danfoss, Diversified Heat Transfer, Inc., Hisaka Works, Ltd., HYDAC International GmbH, Kelvion Holding GmbH, Kaori Heat Treatment Co., Ltd., Motion Industries, Inc., Onda S.p.A, Southwest Thermal Technology Inc., SWEP International AB, Tranter, TITAN Metal Fabricators, and Xylem.

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the gasketed plate heat exchanger market analysis from 2021 to 2031 to identify the prevailing gasketed plate heat exchanger market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the gasketed plate heat exchanger market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global gasketed plate heat exchanger market trends, key players, market segments, application areas, and market growth strategies.

#### Key Market Segments

##### By Type

- Industrial GPHE
- Wide Gap GPHE
- Semi Welded GPHE

##### By Material

- Stainless Steel
- Titanium
- Tungsten

##### By End User

- Others
- Food and Beverage
- Oil and Gas
- HVAC and Refrigeration
- Chemical

##### By Region

- North America
- U.S.
- Canada
- Mexico

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- China
- Japan
- India
- South Korea
- Australia
- Rest Of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest Of LAMEA
- Key Market Players
- Alfa Laval
- Kelvion Holding GmbH
- SWEP International AB
- DANFOSS
- Hisaka Works Ltd.
- ENOVENETA
- Tranter
- Vitherm
- API Heat Transfer
- Xylem

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