

# Global Graphite Heat Exchanger Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

A graphite heat exchanger is a type of heat exchanger that utilizes graphite as the primary material for its construction. Graphite is a form of carbon that has excellent thermal conductivity, high corrosion resistance, and good mechanical strength, making it well-suited for heat transfer applications.

Graphite heat exchangers are commonly used in industries where highly corrosive fluids or gases need to be heated or cooled. They are particularly favored in chemical processing, pharmaceutical manufacturing, and metal refining, among other sectors. The unique properties of graphite allow these heat exchangers to withstand harsh operating conditions and effectively transfer heat between two different fluids without contaminating or reacting with them.

The design of a graphite heat exchanger typically involves a series of graphite tubes or channels through which the hot and cold fluids flow. The heat transfer occurs through the walls of these channels, enabling efficient heat exchange. Graphite's high thermal conductivity facilitates the rapid transfer of heat between the fluids, ensuring effective temperature control.

Graphite heat exchangers offer several advantages over traditional metal heat exchangers. They are highly resistant to corrosion, even in the presence of aggressive chemicals, acids, or bases. Graphite's non-reactive nature ensures that there is no contamination of the fluids being processed. Additionally, graphite heat exchangers can operate at high temperatures, making them suitable for applications involving heat transfer at elevated or even extreme temperatures.

According to our (Global Info Research) latest study, the global Graphite Heat Exchanger market size was valued at US\$ 469 million in 2023 and is forecast to a readjusted size of USD 637 million by 2030 with a CAGR of 4.5% during review period.

Global Graphite Heat Exchanger key players include MERSEN, Nantong Sunshine, Nantong Xingqiu, etc. Global top three manufacturers hold a share over 40%.

China is the largest market, with a share over 40%, followed by Europe, and North America, both have a share over 30 percent.

In terms of product, Shell and Tubes is the largest segment, with a share about 65%. And in terms of application, the largest application is Chemical Industrial, followed by Petrochemical Industrial, Metal Surface Treatment Industrial, Pharmaceutical Industrial, etc.

This report is a detailed and comprehensive analysis for global Graphite Heat Exchanger market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2024, are provided.

#### Key Features:

Global Graphite Heat Exchanger market size and forecasts, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sqm), 2019-2030

Global Graphite Heat Exchanger market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sqm), 2019-2030

Global Graphite Heat Exchanger market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Sqm), and average selling prices (US\$/Sqm), 2019-2030

Global Graphite Heat Exchanger market shares of main players, shipments in revenue (\$ Million), sales quantity (K Sqm), and ASP (US\$/Sqm), 2019-2024

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Graphite Heat Exchanger

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Graphite Heat Exchanger market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SGL Group, MERSEN, Nantong Xingqiu, Nantong Sunshine, Graphite India Limited, Nantong Shanjian, Qingdao Boao, Qingdao BoHua, Graphite Technology, Nantong Graphite, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market Segmentation

Graphite Heat Exchanger market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

#### Market segment by Type

Shell and Tubes

Blocks

Plates

#### Market segment by Application

Chemical Industry

Petrochemical Industry

Metal Surface Treatment Industry

Pharmaceutical Industry

Food & Beverage Industry

Others

#### Major players covered

SGL Group

MERSEN

Nantong Xingqiu

Nantong Sunshine

Graphite India Limited

Nantong Shanjian

Qingdao Boao

Qingdao BoHua

Graphite Technology

Nantong Graphite

Zibo Shengxin

Nantong Xinbao

HEAD

Ecarb

Active Chemical Systems

Saishraddha Graphite Equipments & Systems

CG Thermal

Blast Carbo Block

Omega Graphite

Hexacarb Engineers

SVI Carbon

Graphcarb

Cor Resist (H.K. Industries)

Wilk Graphite

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Graphite Heat Exchanger product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Graphite Heat Exchanger, with price, sales quantity, revenue, and global market share of Graphite Heat Exchanger from 2019 to 2024.

Chapter 3, the Graphite Heat Exchanger competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Graphite Heat Exchanger breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2019 to 2024. and Graphite Heat Exchanger market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Graphite Heat Exchanger.

Chapter 14 and 15, to describe Graphite Heat Exchanger sales channel, distributors, customers, research findings and conclusion.

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