

Europe Heat Exchanger Market Forecast to 2030 - Regional Analysis - by Type (Shell and Tube, Plate and Frame, Air Cooled, and Others), Material (Steel, Copper, and Others), and Application (Energy, Chemical, Food and Beverages, HVACR, Pulp and Paper, and Others)

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Abstracts

The Europe heat exchanger market was valued at US\$ 7,918.70 million in 2022 and is expected to reach US\$ 15,269.64 million by 2030; it is estimated to grow at a CAGR of 8.6% from 2022 to 2030.

Rise in Industrialization Fuel the Europe Heat Exchanger Market

Industry 4.0 is transforming the way companies manufacture, process, and distribute their products and is focused on improving product quality by minimizing the risk of human error and posing a safe environment. Due to the rise in Industry 4.0, governments of various countries are investing in their manufacturing sectors. For instance, "Made in Europe" is a seven-year (2021-2027) public-private collaboration co-programmed by Horizon Europe, with a total budget of about US\$ 2 billion. In the collaboration, the private sector is represented by the European Factories of the Future Research Association (EFFRA). The Factories of the Future Partnership, which was administered under the Horizon 2020 initiative, was replaced by Made in Europe. The collaboration will help Europe's industrial sector become more resilient, digital, green, competitive, and human-centered. The partnerships 2030 aim is to strengthen Europe's manufacturing sectors standing on the world stage regarding productivity, competitiveness, and technological leadership. Thus, the rise in industrialization is contributing to the building of new manufacturing facilities across various industry verticals such as chemical, food & beverages, and automotive, which further contributes to the need for heat exchangers to maintain the optimal temperature for the optimal

productivity during the workflow and avoid any safety risk and accidents. To cater to the rising demand for heat exchangers in this revolutionizing industrialization phase, the market players are heavily investing in new product developments.

A few of the new product development is mentioned below:

- In February 2023, Sanhua launched stainless steel braze plate heat exchangers (BPHE) to maintain higher heat transfer efficiency and lower pressure drops in various applications such as chillers, heat pumps, and boilers.
- In March 2022, Sweden-based Alfa Laval unveiled AC540, a new brazed-plate heat exchanger series ideal for its application in multiple-scroll chillers. The products unique asymmetric plate design helps to reduce the evaporators refrigerant charge and minimize the pressure drop.

Thus, such product launch fuels the heat exchanger market.

Europe Heat Exchanger Market Overview

The Europe heat exchanger market is segmented into Germany, France, Italy, Spain, the UK, Russia, Poland, Sweden, Norway, Denmark, Czech Republic, Hungary, Belgium, the Netherlands, Luxembourg, Finland, and the Rest of Europe. The region is highly focused on building power plants to meet the growing electricity demand from residential, commercial, and residential sectors in an efficient way. In addition, with the rise in electricity production, the government is focused on building new power plants with the rising demand for renewable electricity. For example, according to the French President, in February 2022, the country will build 14 new nuclear reactors to make France carbon neutral by 2050. Thus, such building of new power plants will demand liquid-to-liquid heat exchangers for moderator cooling, which helps to improve the efficiency as well as safety of plants, further fueling the heat exchanger market in Europe.

Europe Heat Exchanger Market Revenue and Forecast to 2030 (US\$ Million)

Europe Heat Exchanger Market Segmentation

The Europe heat exchanger market is segmented based on type, material, application, and country. Based on type, the Europe heat exchanger market is segmented into shell and tube, plate and frame, air cooled, and others. The shell and tube segment held the largest market share in 2022.

Based on material, the Europe heat exchanger market is segmented into steel, copper, and others. The steel segment held the largest market share in 2022.

Based on application, the Europe heat exchanger market is segmented into energy, chemical, food and beverages, HVACR, pulp and paper, and others. The energy segment held the largest market share in 2022.

Based on country, the Europe heat exchanger market is segmented into Germany, France, the UK, Spain, Italy, Russia, Netherlands, Belgium, Poland, Sweden, Czech Republic, Finland, Norway, Hungary, Denmark, Luxembourg, and the Rest of Europe.

Germany dominated the Europe heat exchanger market share in 2022.

Alfa Laval AB, API Heat Transfer Inc, Chart Industries Inc, Danfoss AS, Guntner GmbH & Co KG, Johnson Controls International Plc, Kelvion Holding GmbH, Larsen & Toubro Ltd, and Xylem Inc are some of the leading companies operating in the Europe heat exchanger market.

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