

North America Brazed Plate Heat Exchangers Market Forecast to 2030 - Regional Analysis - by Product (Single Circuit and Multi Circuit), Application (Condenser, Economizer, Evaporator, and Others), and End-Use Industry (HVACR, Chemical, Food & Beverage, Power, Heavy Industries, IT & Telecommunication, and Others)

<https://marketpublishers.com/r/N962ADB87D68EN.html>

Date: June 2024

Pages: 76

Price: US\$ 2,485.00 (Single User License)

ID: N962ADB87D68EN

Abstracts

The North America brazed plate heat exchangers market was valued at US\$ 319.41 million in 2022 and is expected to reach US\$ 580.64 million by 2030; it is estimated to register a CAGR of 7.8% from 2022 to 2030.

Growing Pharmaceutical Industry Fuels North America Brazed Plate Heat Exchangers Market

The pharmaceutical industry has strict requirements for sterility and temperature control in its manufacturing processes. Brazed plate heat exchangers are important for these applications because they are hermetically sealed and can be used to heat and cool fluids to precise temperatures. Brazed plate heat exchangers are considered highly efficient and reliable at transferring heat. It is widely used in the pharmaceutical industry, where heat transfer is used in a variety of processes, such as distillation, crystallization, and drying. Brazed plate heat exchangers are available in various sizes and configurations, making them versatile and scalable solutions for the pharmaceutical industry. It is crucial as pharmaceutical companies need to be able to adjust their production capacity to meet demand easily. Brazed plate heat exchangers are utilized to heat and cool sterile fluids such as water, saline, and buffers. These fluids are used in a variety of pharmaceutical manufacturing processes, such as the production of

injectables and sterile liquids. Also, brazed plate heat exchangers can be used to sterilize equipment such as bioreactors, pipelines, and tanks. It helps to prevent the contamination of pharmaceutical products. These heat exchangers are used in the manufacturing of vaccines to heat and cool the culture medium in which the vaccine virus is grown.

Furthermore, over the years, several countries have experienced significant demand for drugs, and the trend is rapidly increasing, propelling pharmaceutical companies to increase their production and sales. The demand for generic drugs is more important than the counterparts, i.e., the brand name drugs, owing to lower cost with the same chemical composition. This is leading to the development of new and innovative manufacturing processes, which often require the use of brazed plate heat exchangers. Hence, the growing pharmaceutical industry is a key factor driving the market for brazed plate heat exchangers.

North America Brazed Plate Heat Exchangers Market Overview

In North America, regulations related to climate change and environmental concerns are forcing the HVAC sector to reconsider its refrigerant selection and put more emphasis on increased performance and energy efficiency. Moreover, in the HVAC industry, all American supply association (ASA) members should be informed about the switch to low-global warming potential (LGWP) refrigerants. HFC refrigerants are likely to be phased out by 85% by 2036, according to the federal AIM Act. A few US states such as California have set deadlines for compliance, while many other states have already modified their building regulations to permit the use of LGWP refrigerants, including A2L. The deadlines for refrigerants with a global warming potential (GWP) of 750 or above have been established by the California Air Resource Board (CARB). Thus, the increasing concern for the environment and emphasis on LGWP are propelling the growth of the brazed plate heat exchanger market in the region.

Further, several players across North America are expanding by launching a stainless range of brazed plate heat exchangers. For instance, as of March 2022, SWEP, a part of Dover, announced the expansion of its All-Stainless range with the introduction of the B222 large-size model. All-Stainless range includes durable, compact, and efficient brazed plate heat exchangers for the most severe applications using aggressive mediums, such as ammonia, deionized water systems, or fluids with high sulfur content, all of which can be corrosive to copper. Thus, the presence of such players in the region propels the growth of the brazed plate heat exchanger market.

North America Brazed Plate Heat Exchangers Market Revenue and Forecast to 2030 (US\$ Million)

North America Brazed Plate Heat Exchangers Market Segmentation

The North America brazed plate heat exchangers market is categorized into product, application, end-use industry, and country.

Based on product, the North America brazed plate heat exchangers market is bifurcated into single circuit and multi circuit. The multi circuit segment held a larger market share in 2022.

In terms of application, the North America brazed plate heat exchangers market is segmented into condenser, economizer, evaporator, and others. The evaporator segment held the largest market share in 2022.

By end-use industry, the North America brazed plate heat exchangers market is segmented into HVACR, chemical, food & beverage, power, heavy industries, IT & telecommunication, others. The HVACR segment held the largest market share in 2022.

By country, the North America brazed plate heat exchangers market is segmented into the US, Canada, and Mexico. The US dominated the North America brazed plate heat exchangers market share in 2022.

Alfa Laval AB, API Heat Transfer Inc, Chart Industries Inc, Danfoss AS, Paul Mueller Co, and Xylem Inc are among the leading companies operating in the North America brazed plate heat exchangers market.

Contents

1. INTRODUCTION

- 1.1 The Insight Partners Research Report Guidance
- 1.2 Market Segmentation

2. EXECUTIVE SUMMARY

- 2.1 Key Insights
- 2.2 Market Attractiveness

3. RESEARCH METHODOLOGY

- 3.1 Coverage
- 3.2 Secondary Research
- 3.3 Primary Research

4. NORTH AMERICA BRAZED PLATE HEAT EXCHANGERS MARKET LANDSCAPE

- 4.1 Overview
- 4.2 Ecosystem Analysis
 - 4.2.1 Component Providers:
 - 4.2.2 Manufacturers:
 - 4.2.3 Distributors or Suppliers:
 - 4.2.4 End-User Industries:
 - 4.2.5 List of Vendors in the Value Chain:

5. NORTH AMERICA BRAZED PLATE HEAT EXCHANGERS MARKET - KEY MARKET DYNAMICS

- 5.1 North America Brazed Plate Heat Exchangers Market - Key Market Dynamics
- 5.2 Market Drivers
 - 5.2.1 Growing Pharmaceutical Industry
 - 5.2.2 Increasing Usage of Brazed Plate Heat Exchangers in HVACR Industry
 - 5.2.3 Growth in Number of Renewable Energy Projects
- 5.3 Market Restraints
 - 5.3.1 Limited Availability of Skilled Technicians

5.3.2 Risk of Corrosion

5.4 Market Opportunities

5.4.1 Increasing Adoption of New Technologies

5.4.2 Increasing Government Initiatives for Energy Efficiency

5.5 Future Trends

5.5.1 Increasing Focus on Compact and Lightweight Designs

5.6 Impact of Drivers and Restraints:

6. BRAZED PLATE HEAT EXCHANGERS MARKET - NORTH AMERICA MARKET ANALYSIS

6.1 North America Brazed Plate Heat Exchangers Market Revenue (US\$ Million), 2020 - 2030

6.2 North America Brazed Plate Heat Exchangers Market Forecast and Analysis

7. NORTH AMERICA BRAZED PLATE HEAT EXCHANGERS MARKET ANALYSIS - PRODUCT

7.1 Single Circuit

7.1.1 Overview

7.1.2 Single Circuit Market, Revenue and Forecast to 2030 (US\$ Million)

7.2 Multi Circuit

7.2.1 Overview

7.2.2 Multi Circuit Market, Revenue and Forecast to 2030 (US\$ Million)

8. NORTH AMERICA BRAZED PLATE HEAT EXCHANGERS MARKET ANALYSIS - APPLICATION

8.1 Condenser

8.1.1 Overview

8.1.2 Condenser Market, Revenue and Forecast to 2030 (US\$ Million)

8.2 Economizer

8.2.1 Overview

8.2.2 Economizer Market, Revenue and Forecast to 2030 (US\$ Million)

8.3 Evaporator

8.3.1 Overview

8.3.2 Evaporator Market, Revenue and Forecast to 2030 (US\$ Million)

8.4 Others

8.4.1 Overview

8.4.2 Others Market, Revenue and Forecast to 2030 (US\$ Million)

9. NORTH AMERICA BRAZED PLATE HEAT EXCHANGERS MARKET ANALYSIS - END-USE INDUSTRY

9.1 HVACR

9.1.1 Overview

9.1.2 HVACR Market, Revenue and Forecast to 2030 (US\$ Million)

9.1.3 Key Suppliers

9.1.4 Key End Users

9.2 Chemical

9.2.1 Overview

9.2.2 Chemical Market, Revenue and Forecast to 2030 (US\$ Million)

9.2.3 Key Suppliers

9.2.4 Key End Users

9.3 Food & Beverage

9.3.1 Overview

9.3.2 Food & Beverage Market, Revenue and Forecast to 2030 (US\$ Million)

9.3.3 Key Suppliers

9.3.4 Key End Users

9.4 Power

9.4.1 Overview

9.4.2 Power Market, Revenue and Forecast to 2030 (US\$ Million)

9.4.3 Key Suppliers

9.4.4 Key End Users

9.5 Heavy Industries

9.5.1 Overview

9.5.2 Heavy Industries Market, Revenue and Forecast to 2030 (US\$ Million)

9.5.3 Key Suppliers

9.5.4 Key End Users

9.6 IT & Telecommunication

9.6.1 Overview

9.6.2 IT & Telecommunication Market, Revenue and Forecast to 2030 (US\$ Million)

9.6.3 Key Suppliers

9.6.4 Key End Users

9.7 Others

9.7.1 Overview

9.7.2 Others Market, Revenue and Forecast to 2030 (US\$ Million)

9.7.3 Key Suppliers

9.7.4 Key End Users

10. NORTH AMERICA BRAZED PLATE HEAT EXCHANGERS MARKET - COUNTRY ANALYSIS

10.1 North America

10.1.1 North America Brazed Plate Heat Exchangers Market Overview

10.1.2 North America Brazed Plate Heat Exchangers Market Revenue and Forecasts and Analysis - By Country

10.1.2.1 North America Brazed Plate Heat Exchangers Market Revenue and Forecasts and Analysis - By Country

10.1.2.2 US Brazed Plate Heat Exchangers Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.2.2.1 US Brazed Plate Heat Exchangers Market Breakdown, by Product

10.1.2.2.2 US Brazed Plate Heat Exchangers Market Breakdown, by Application

10.1.2.2.3 US Brazed Plate Heat Exchangers Market Breakdown, by End-Use Industry

10.1.2.3 Canada Brazed Plate Heat Exchangers Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.2.3.1 Canada Brazed Plate Heat Exchangers Market Breakdown, by Product

10.1.2.3.2 Canada Brazed Plate Heat Exchangers Market Breakdown, by Application

10.1.2.3.3 Canada Brazed Plate Heat Exchangers Market Breakdown, by End-Use Industry

10.1.2.4 Mexico Brazed Plate Heat Exchangers Market Revenue and Forecasts to 2030 (US\$ Mn)

10.1.2.4.1 Mexico Brazed Plate Heat Exchangers Market Breakdown, by Product

10.1.2.4.2 Mexico Brazed Plate Heat Exchangers Market Breakdown, by Application

10.1.2.4.3 Mexico Brazed Plate Heat Exchangers Market Breakdown, by End-Use Industry

11. INDUSTRY LANDSCAPE

11.1 Overview

11.2 Market Initiative

11.3 New Product Development

12. COMPANY PROFILES

12.1 Alfa Laval AB

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

12.1.4 Financial Overview

12.1.5 SWOT Analysis

12.1.6 Key Developments

12.2 API Heat Transfer Inc

12.2.1 Key Facts

12.2.2 Business Description

12.2.3 Products and Services

12.2.4 Financial Overview

12.2.5 SWOT Analysis

12.2.6 Key Developments

12.3 Chart Industries Inc

12.3.1 Key Facts

12.3.2 Business Description

12.3.3 Products and Services

12.3.4 Financial Overview

12.3.5 SWOT Analysis

12.3.6 Key Developments

12.4 Danfoss AS

12.4.1 Key Facts

12.4.2 Business Description

12.4.3 Products and Services

12.4.4 Financial Overview

12.4.5 SWOT Analysis

12.4.6 Key Developments

12.5 Paul Mueller Co

12.5.1 Key Facts

12.5.2 Business Description

12.5.3 Products and Services

12.5.4 Financial Overview

12.5.5 SWOT Analysis

12.5.6 Key Developments

12.6 Xylem Inc

12.6.1 Key Facts

12.6.2 Business Description

12.6.3 Products and Services

12.6.4 Financial Overview

12.6.5 SWOT Analysis

12.6.6 Key Developments

13. APPENDIX

13.1 Word Index

I would like to order

Product name: North America Brazed Plate Heat Exchangers Market Forecast to 2030 - Regional Analysis - by Product (Single Circuit and Multi Circuit), Application (Condenser, Economizer, Evaporator, and Others), and End-Use Industry (HVACR, Chemical, Food & Beverage, Power, Heavy Industries, IT & Telecommunication, and Others)

Product link: <https://marketpublishers.com/r/N962ADB87D68EN.html>

Price: US\$ 2,485.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N962ADB87D68EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970