

COVID-19 Impact on Global Heat Exchanger Equipment, Market Insights and Forecast to 2026

https://marketpublishers.com/r/CB6777FD7112EN.html

Date: September 2020

Pages: 187

Price: US\$ 4,900.00 (Single User License)

ID: CB6777FD7112EN

Abstracts

Heat Exchanger Equipment market is segmented by Type, and by Application. Players, stakeholders, and other participants in the global Heat Exchanger Equipment market will be able to gain the upper hand as they use the report as a powerful resource. The segmental analysis focuses on production capacity, revenue and forecast by Type and by Application for the period 2015-2026.

Segment by Type, the Heat Exchanger Equipment market is segmented into

Plate-fin Type

Wall Type

Hybrid Type

Segment by Application, the Heat Exchanger Equipment market is segmented into

Automotive

Aerospace

Industrial Equipment

Regional and Country-level Analysis

The Heat Exchanger Equipment market is analysed and market size information is



provided by regions (countries).

The key regions covered in the Heat Exchanger Equipment market report are North America, Europe, China and Japan. It also covers key regions (countries), viz, the U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, U.A.E, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by Type, and by Application segment in terms of production capacity, price and revenue for the period 2015-2026.

Competitive Landscape and Heat Exchanger Equipment Market Share Analysis Heat Exchanger Equipment market competitive landscape provides details and data information by manufacturers. The report offers comprehensive analysis and accurate statistics on production capacity, price, revenue of Heat Exchanger Equipment by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on production, revenue (global and regional level) by players for the period 2015-2020. Details included are company description, major business, company total revenue, and the production capacity, price, revenue generated in Heat Exchanger Equipment business, the date to enter into the Heat Exchanger Equipment market, Heat Exchanger Equipment product introduction, recent developments, etc.

The major vendors covered:

Alfa Laval
Kelvion (GEA)
SPX
ІНІ
Danfoss (Sondex)
SPX-Flow
DOOSAN



API
KNM
Funke
Xylem
Thermowave
Hisaka
SWEP
LARSEN & TOUBRO
Accessen
THT
Hitachi Zosen
LANPEC
Siping ViEX
Beichen
Lanzhou LS
Defon
Ormandy



Contents

1 STUDY COVERAGE

- 1.1 Heat Exchanger Equipment Product Introduction
- 1.2 Key Market Segments in This Study
- 1.3 Key Manufacturers Covered: Ranking of Global Top Heat Exchanger Equipment Manufacturers by Revenue in 2019
- 1.4 Market by Type
 - 1.4.1 Global Heat Exchanger Equipment Market Size Growth Rate by Type
 - 1.4.2 Plate-fin Type
 - 1.4.3 Wall Type
 - 1.4.4 Hybrid Type
- 1.5 Market by Application
 - 1.5.1 Global Heat Exchanger Equipment Market Size Growth Rate by Application
 - 1.5.2 Automotive
 - 1.5.3 Aerospace
 - 1.5.4 Industrial Equipment
- 1.6 Coronavirus Disease 2019 (Covid-19): Heat Exchanger Equipment Industry Impact
 - 1.6.1 How the Covid-19 is Affecting the Heat Exchanger Equipment Industry
 - 1.6.1.1 Heat Exchanger Equipment Business Impact Assessment Covid-19
 - 1.6.1.2 Supply Chain Challenges
 - 1.6.1.3 COVID-19's Impact On Crude Oil and Refined Products
- 1.6.2 Market Trends and Heat Exchanger Equipment Potential Opportunities in the COVID-19 Landscape
 - 1.6.3 Measures / Proposal against Covid-19
 - 1.6.3.1 Government Measures to Combat Covid-19 Impact
 - 1.6.3.2 Proposal for Heat Exchanger Equipment Players to Combat Covid-19 Impact
- 1.7 Study Objectives
- 1.8 Years Considered

2 EXECUTIVE SUMMARY

- 2.1 Global Heat Exchanger Equipment Market Size Estimates and Forecasts
- 2.1.1 Global Heat Exchanger Equipment Revenue Estimates and Forecasts 2015-2026
- 2.1.2 Global Heat Exchanger Equipment Production Capacity Estimates and Forecasts 2015-2026
- 2.1.3 Global Heat Exchanger Equipment Production Estimates and Forecasts



2015-2026

- 2.2 Global Heat Exchanger Equipment Market Size by Producing Regions: 2015 VS 2020 VS 2026
- 2.3 Analysis of Competitive Landscape
 - 2.3.1 Manufacturers Market Concentration Ratio (CR5 and HHI)
- 2.3.2 Global Heat Exchanger Equipment Market Share by Company Type (Tier 1, Tier 2 and Tier 3)
- 2.3.3 Global Heat Exchanger Equipment Manufacturers Geographical Distribution
- 2.4 Key Trends for Heat Exchanger Equipment Markets & Products
- 2.5 Primary Interviews with Key Heat Exchanger Equipment Players (Opinion Leaders)

3 MARKET SIZE BY MANUFACTURERS

- 3.1 Global Top Heat Exchanger Equipment Manufacturers by Production Capacity
- 3.1.1 Global Top Heat Exchanger Equipment Manufacturers by Production Capacity (2015-2020)
- 3.1.2 Global Top Heat Exchanger Equipment Manufacturers by Production (2015-2020)
- 3.1.3 Global Top Heat Exchanger Equipment Manufacturers Market Share by Production
- 3.2 Global Top Heat Exchanger Equipment Manufacturers by Revenue
 - 3.2.1 Global Top Heat Exchanger Equipment Manufacturers by Revenue (2015-2020)
- 3.2.2 Global Top Heat Exchanger Equipment Manufacturers Market Share by Revenue (2015-2020)
- 3.2.3 Global Top 10 and Top 5 Companies by Heat Exchanger Equipment Revenue in 2019
- 3.3 Global Heat Exchanger Equipment Price by Manufacturers
- 3.4 Mergers & Acquisitions, Expansion Plans

4 HEAT EXCHANGER EQUIPMENT PRODUCTION BY REGIONS

- 4.1 Global Heat Exchanger Equipment Historic Market Facts & Figures by Regions
 - 4.1.1 Global Top Heat Exchanger Equipment Regions by Production (2015-2020)
 - 4.1.2 Global Top Heat Exchanger Equipment Regions by Revenue (2015-2020)
- 4.2 North America
 - 4.2.1 North America Heat Exchanger Equipment Production (2015-2020)
 - 4.2.2 North America Heat Exchanger Equipment Revenue (2015-2020)
 - 4.2.3 Key Players in North America
- 4.2.4 North America Heat Exchanger Equipment Import & Export (2015-2020)



4.3 Europe

- 4.3.1 Europe Heat Exchanger Equipment Production (2015-2020)
- 4.3.2 Europe Heat Exchanger Equipment Revenue (2015-2020)
- 4.3.3 Key Players in Europe
- 4.3.4 Europe Heat Exchanger Equipment Import & Export (2015-2020)

4.4 China

- 4.4.1 China Heat Exchanger Equipment Production (2015-2020)
- 4.4.2 China Heat Exchanger Equipment Revenue (2015-2020)
- 4.4.3 Key Players in China
- 4.4.4 China Heat Exchanger Equipment Import & Export (2015-2020)

4.5 Japan

- 4.5.1 Japan Heat Exchanger Equipment Production (2015-2020)
- 4.5.2 Japan Heat Exchanger Equipment Revenue (2015-2020)
- 4.5.3 Key Players in Japan
- 4.5.4 Japan Heat Exchanger Equipment Import & Export (2015-2020)

5 HEAT EXCHANGER EQUIPMENT CONSUMPTION BY REGION

- 5.1 Global Top Heat Exchanger Equipment Regions by Consumption
 - 5.1.1 Global Top Heat Exchanger Equipment Regions by Consumption (2015-2020)
- 5.1.2 Global Top Heat Exchanger Equipment Regions Market Share by Consumption (2015-2020)
- 5.2 North America
 - 5.2.1 North America Heat Exchanger Equipment Consumption by Application
 - 5.2.2 North America Heat Exchanger Equipment Consumption by Countries
 - 5.2.3 U.S.
 - 5.2.4 Canada

5.3 Europe

- 5.3.1 Europe Heat Exchanger Equipment Consumption by Application
- 5.3.2 Europe Heat Exchanger Equipment Consumption by Countries
- 5.3.3 Germany
- 5.3.4 France
- 5.3.5 U.K.
- 5.3.6 Italy
- 5.3.7 Russia

5.4 Asia Pacific

- 5.4.1 Asia Pacific Heat Exchanger Equipment Consumption by Application
- 5.4.2 Asia Pacific Heat Exchanger Equipment Consumption by Regions
- 5.4.3 China



- 5.4.4 Japan
- 5.4.5 South Korea
- 5.4.6 India
- 5.4.7 Australia
- 5.4.8 Taiwan
- 5.4.9 Indonesia
- 5.4.10 Thailand
- 5.4.11 Malaysia
- 5.4.12 Philippines
- 5.4.13 Vietnam
- 5.5 Central & South America
- 5.5.1 Central & South America Heat Exchanger Equipment Consumption by Application
 - 5.5.2 Central & South America Heat Exchanger Equipment Consumption by Country
 - 5.5.3 Mexico
 - 5.5.3 Brazil
 - 5.5.3 Argentina
- 5.6 Middle East and Africa
 - 5.6.1 Middle East and Africa Heat Exchanger Equipment Consumption by Application
 - 5.6.2 Middle East and Africa Heat Exchanger Equipment Consumption by Countries
 - 5.6.3 Turkey
 - 5.6.4 Saudi Arabia
 - 5.6.5 U.A.E

6 MARKET SIZE BY TYPE (2015-2026)

- 6.1 Global Heat Exchanger Equipment Market Size by Type (2015-2020)
 - 6.1.1 Global Heat Exchanger Equipment Production by Type (2015-2020)
 - 6.1.2 Global Heat Exchanger Equipment Revenue by Type (2015-2020)
 - 6.1.3 Heat Exchanger Equipment Price by Type (2015-2020)
- 6.2 Global Heat Exchanger Equipment Market Forecast by Type (2021-2026)
 - 6.2.1 Global Heat Exchanger Equipment Production Forecast by Type (2021-2026)
 - 6.2.2 Global Heat Exchanger Equipment Revenue Forecast by Type (2021-2026)
 - 6.2.3 Global Heat Exchanger Equipment Price Forecast by Type (2021-2026)
- 6.3 Global Heat Exchanger Equipment Market Share by Price Tier (2015-2020): Low-End, Mid-Range and High-End

7 MARKET SIZE BY APPLICATION (2015-2026)



- 7.2.1 Global Heat Exchanger Equipment Consumption Historic Breakdown by Application (2015-2020)
- 7.2.2 Global Heat Exchanger Equipment Consumption Forecast by Application (2021-2026)

8 CORPORATE PROFILES

- 8.1 Alfa Laval
 - 8.1.1 Alfa Laval Corporation Information
 - 8.1.2 Alfa Laval Overview and Its Total Revenue
- 8.1.3 Alfa Laval Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.1.4 Alfa Laval Product Description
 - 8.1.5 Alfa Laval Recent Development
- 8.2 Kelvion (GEA)
 - 8.2.1 Kelvion (GEA) Corporation Information
 - 8.2.2 Kelvion (GEA) Overview and Its Total Revenue
- 8.2.3 Kelvion (GEA) Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.2.4 Kelvion (GEA) Product Description
 - 8.2.5 Kelvion (GEA) Recent Development
- 8.3 SPX
 - 8.3.1 SPX Corporation Information
 - 8.3.2 SPX Overview and Its Total Revenue
- 8.3.3 SPX Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
- 8.3.4 SPX Product Description
- 8.3.5 SPX Recent Development
- 8.4 IHI
 - 8.4.1 IHI Corporation Information
 - 8.4.2 IHI Overview and Its Total Revenue
- 8.4.3 IHI Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
- 8.4.4 IHI Product Description
- 8.4.5 IHI Recent Development
- 8.5 Danfoss (Sondex)
 - 8.5.1 Danfoss (Sondex) Corporation Information
 - 8.5.2 Danfoss (Sondex) Overview and Its Total Revenue
 - 8.5.3 Danfoss (Sondex) Production Capacity and Supply, Price, Revenue and Gross



Margin (2015-2020)

- 8.5.4 Danfoss (Sondex) Product Description
- 8.5.5 Danfoss (Sondex) Recent Development
- 8.6 SPX-Flow
 - 8.6.1 SPX-Flow Corporation Information
 - 8.6.2 SPX-Flow Overview and Its Total Revenue
- 8.6.3 SPX-Flow Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.6.4 SPX-Flow Product Description
 - 8.6.5 SPX-Flow Recent Development
- 8.7 DOOSAN
 - 8.7.1 DOOSAN Corporation Information
 - 8.7.2 DOOSAN Overview and Its Total Revenue
- 8.7.3 DOOSAN Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
- 8.7.4 DOOSAN Product Description
- 8.7.5 DOOSAN Recent Development
- 8.8 API
 - 8.8.1 API Corporation Information
 - 8.8.2 API Overview and Its Total Revenue
- 8.8.3 API Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.8.4 API Product Description
 - 8.8.5 API Recent Development
- 8.9 KNM
 - 8.9.1 KNM Corporation Information
 - 8.9.2 KNM Overview and Its Total Revenue
- 8.9.3 KNM Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.9.4 KNM Product Description
 - 8.9.5 KNM Recent Development
- 8.10 Funke
 - 8.10.1 Funke Corporation Information
 - 8.10.2 Funke Overview and Its Total Revenue
- 8.10.3 Funke Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.10.4 Funke Product Description
 - 8.10.5 Funke Recent Development
- 8.11 Xylem



- 8.11.1 Xylem Corporation Information
- 8.11.2 Xylem Overview and Its Total Revenue
- 8.11.3 Xylem Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.11.4 Xylem Product Description
 - 8.11.5 Xylem Recent Development
- 8.12 Thermowave
 - 8.12.1 Thermowave Corporation Information
 - 8.12.2 Thermowave Overview and Its Total Revenue
- 8.12.3 Thermowave Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.12.4 Thermowave Product Description
 - 8.12.5 Thermowave Recent Development
- 8.13 Hisaka
 - 8.13.1 Hisaka Corporation Information
 - 8.13.2 Hisaka Overview and Its Total Revenue
- 8.13.3 Hisaka Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.13.4 Hisaka Product Description
 - 8.13.5 Hisaka Recent Development
- 8.14 SWEP
 - 8.14.1 SWEP Corporation Information
 - 8.14.2 SWEP Overview and Its Total Revenue
- 8.14.3 SWEP Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
- 8.14.4 SWEP Product Description
- 8.14.5 SWEP Recent Development
- 8.15 LARSEN & TOUBRO
 - 8.15.1 LARSEN & TOUBRO Corporation Information
 - 8.15.2 LARSEN & TOUBRO Overview and Its Total Revenue
- 8.15.3 LARSEN & TOUBRO Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.15.4 LARSEN & TOUBRO Product Description
 - 8.15.5 LARSEN & TOUBRO Recent Development
- 8.16 Accessen
 - 8.16.1 Accessen Corporation Information
 - 8.16.2 Accessen Overview and Its Total Revenue
- 8.16.3 Accessen Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)



- 8.16.4 Accessen Product Description
- 8.16.5 Accessen Recent Development
- 8.17 THT
 - 8.17.1 THT Corporation Information
 - 8.17.2 THT Overview and Its Total Revenue
- 8.17.3 THT Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.17.4 THT Product Description
 - 8.17.5 THT Recent Development
- 8.18 Hitachi Zosen
 - 8.18.1 Hitachi Zosen Corporation Information
 - 8.18.2 Hitachi Zosen Overview and Its Total Revenue
- 8.18.3 Hitachi Zosen Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.18.4 Hitachi Zosen Product Description
 - 8.18.5 Hitachi Zosen Recent Development
- 8.19 LANPEC
 - 8.19.1 LANPEC Corporation Information
 - 8.19.2 LANPEC Overview and Its Total Revenue
- 8.19.3 LANPEC Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.19.4 LANPEC Product Description
 - 8.19.5 LANPEC Recent Development
- 8.20 Siping ViEX
 - 8.20.1 Siping ViEX Corporation Information
 - 8.20.2 Siping ViEX Overview and Its Total Revenue
- 8.20.3 Siping ViEX Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.20.4 Siping ViEX Product Description
 - 8.20.5 Siping ViEX Recent Development
- 8.21 Beichen
 - 8.21.1 Beichen Corporation Information
 - 8.21.2 Beichen Overview and Its Total Revenue
- 8.21.3 Beichen Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.21.4 Beichen Product Description
- 8.21.5 Beichen Recent Development
- 8.22 Lanzhou LS
- 8.22.1 Lanzhou LS Corporation Information



- 8.22.2 Lanzhou LS Overview and Its Total Revenue
- 8.22.3 Lanzhou LS Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.22.4 Lanzhou LS Product Description
 - 8.22.5 Lanzhou LS Recent Development
- 8.23 Defon
 - 8.23.1 Defon Corporation Information
 - 8.23.2 Defon Overview and Its Total Revenue
- 8.23.3 Defon Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.23.4 Defon Product Description
- 8.23.5 Defon Recent Development
- 8.24 Ormandy
 - 8.24.1 Ormandy Corporation Information
 - 8.24.2 Ormandy Overview and Its Total Revenue
- 8.24.3 Ormandy Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
 - 8.24.4 Ormandy Product Description
- 8.24.5 Ormandy Recent Development
- 8.25 FL-HTEP
 - 8.25.1 FL-HTEP Corporation Information
 - 8.25.2 FL-HTEP Overview and Its Total Revenue
- 8.25.3 FL-HTEP Production Capacity and Supply, Price, Revenue and Gross Margin (2015-2020)
- 8.25.4 FL-HTEP Product Description
- 8.25.5 FL-HTEP Recent Development

9 PRODUCTION FORECASTS BY REGIONS

- 9.1 Global Top Heat Exchanger Equipment Regions Forecast by Revenue (2021-2026)
- 9.2 Global Top Heat Exchanger Equipment Regions Forecast by Production (2021-2026)
- 9.3 Key Heat Exchanger Equipment Production Regions Forecast
 - 9.3.1 North America
 - 9.3.2 Europe
 - 9.3.3 China
 - 9.3.4 Japan

10 HEAT EXCHANGER EQUIPMENT CONSUMPTION FORECAST BY REGION



- 10.1 Global Heat Exchanger Equipment Consumption Forecast by Region (2021-2026)
- 10.2 North America Heat Exchanger Equipment Consumption Forecast by Region (2021-2026)
- 10.3 Europe Heat Exchanger Equipment Consumption Forecast by Region (2021-2026)
- 10.4 Asia Pacific Heat Exchanger Equipment Consumption Forecast by Region (2021-2026)
- 10.5 Latin America Heat Exchanger Equipment Consumption Forecast by Region (2021-2026)
- 10.6 Middle East and Africa Heat Exchanger Equipment Consumption Forecast by Region (2021-2026)

11 VALUE CHAIN AND SALES CHANNELS ANALYSIS

- 11.1 Value Chain Analysis
- 11.2 Sales Channels Analysis
 - 11.2.1 Heat Exchanger Equipment Sales Channels
- 11.2.2 Heat Exchanger Equipment Distributors
- 11.3 Heat Exchanger Equipment Customers

12 MARKET OPPORTUNITIES & CHALLENGES, RISKS AND INFLUENCES FACTORS ANALYSIS

- 12.1 Market Opportunities and Drivers
- 12.2 Market Challenges
- 12.3 Market Risks/Restraints
- 12.4 Porter's Five Forces Analysis

13 KEY FINDING IN THE GLOBAL HEAT EXCHANGER EQUIPMENT STUDY

14 APPENDIX

- 14.1 Research Methodology
 - 14.1.1 Methodology/Research Approach
 - 14.1.2 Data Source
- 14.2 Author Details
- 14.3 Disclaimer



List Of Tables

LIST OF TABLES

- Table 1. Heat Exchanger Equipment Key Market Segments in This Study
- Table 2. Ranking of Global Top Heat Exchanger Equipment Manufacturers by Revenue (US\$ Million) in 2019
- Table 3. Global Heat Exchanger Equipment Market Size Growth Rate by Type 2020-2026 (K Units) (Million US\$)
- Table 4. Major Manufacturers of Plate-fin Type
- Table 5. Major Manufacturers of Wall Type
- Table 6. Major Manufacturers of Hybrid Type
- Table 7. COVID-19 Impact Global Market: (Four Heat Exchanger Equipment Market Size Forecast Scenarios)
- Table 8. Opportunities and Trends for Heat Exchanger Equipment Players in the COVID-19 Landscape
- Table 9. Present Opportunities in China & Elsewhere Due to the Coronavirus Crisis
- Table 10. Key Regions/Countries Measures against Covid-19 Impact
- Table 11. Proposal for Heat Exchanger Equipment Players to Combat Covid-19 Impact
- Table 12. Global Heat Exchanger Equipment Market Size Growth Rate by Application 2020-2026 (K Units)
- Table 13. Global Heat Exchanger Equipment Market Size by Region in US\$ Million: 2015 VS 2020 VS 2026
- Table 14. Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15. Global Heat Exchanger Equipment by Company Type (Tier 1, Tier 2 and Tier
- 3) (based on the Revenue in Heat Exchanger Equipment as of 2019)
- Table 16. Heat Exchanger Equipment Manufacturing Base Distribution and Headquarters
- Table 17. Manufacturers Heat Exchanger Equipment Product Offered
- Table 18. Date of Manufacturers Enter into Heat Exchanger Equipment Market
- Table 19. Key Trends for Heat Exchanger Equipment Markets & Products
- Table 20. Main Points Interviewed from Key Heat Exchanger Equipment Players
- Table 21. Global Heat Exchanger Equipment Production Capacity by Manufacturers (2015-2020) (K Units)
- Table 22. Global Heat Exchanger Equipment Production Share by Manufacturers (2015-2020)
- Table 23. Heat Exchanger Equipment Revenue by Manufacturers (2015-2020) (Million US\$)
- Table 24. Heat Exchanger Equipment Revenue Share by Manufacturers (2015-2020)



- Table 25. Heat Exchanger Equipment Price by Manufacturers 2015-2020 (USD/Unit)
- Table 26. Mergers & Acquisitions, Expansion Plans
- Table 27. Global Heat Exchanger Equipment Production by Regions (2015-2020) (K Units)
- Table 28. Global Heat Exchanger Equipment Production Market Share by Regions (2015-2020)
- Table 29. Global Heat Exchanger Equipment Revenue by Regions (2015-2020) (US\$ Million)
- Table 30. Global Heat Exchanger Equipment Revenue Market Share by Regions (2015-2020)
- Table 31. Key Heat Exchanger Equipment Players in North America
- Table 32. Import & Export of Heat Exchanger Equipment in North America (K Units)
- Table 33. Key Heat Exchanger Equipment Players in Europe
- Table 34. Import & Export of Heat Exchanger Equipment in Europe (K Units)
- Table 35. Key Heat Exchanger Equipment Players in China
- Table 36. Import & Export of Heat Exchanger Equipment in China (K Units)
- Table 37. Key Heat Exchanger Equipment Players in Japan
- Table 38. Import & Export of Heat Exchanger Equipment in Japan (K Units)
- Table 39. Global Heat Exchanger Equipment Consumption by Regions (2015-2020) (K Units)
- Table 40. Global Heat Exchanger Equipment Consumption Market Share by Regions (2015-2020)
- Table 41. North America Heat Exchanger Equipment Consumption by Application (2015-2020) (K Units)
- Table 42. North America Heat Exchanger Equipment Consumption by Countries (2015-2020) (K Units)
- Table 43. Europe Heat Exchanger Equipment Consumption by Application (2015-2020) (K Units)
- Table 44. Europe Heat Exchanger Equipment Consumption by Countries (2015-2020) (K Units)
- Table 45. Asia Pacific Heat Exchanger Equipment Consumption by Application (2015-2020) (K Units)
- Table 46. Asia Pacific Heat Exchanger Equipment Consumption Market Share by Application (2015-2020) (K Units)
- Table 47. Asia Pacific Heat Exchanger Equipment Consumption by Regions (2015-2020) (K Units)
- Table 48. Latin America Heat Exchanger Equipment Consumption by Application (2015-2020) (K Units)
- Table 49. Latin America Heat Exchanger Equipment Consumption by Countries



(2015-2020) (K Units)

Table 50. Middle East and Africa Heat Exchanger Equipment Consumption by Application (2015-2020) (K Units)

Table 51. Middle East and Africa Heat Exchanger Equipment Consumption by Countries (2015-2020) (K Units)

Table 52. Global Heat Exchanger Equipment Production by Type (2015-2020) (K Units)

Table 53. Global Heat Exchanger Equipment Production Share by Type (2015-2020)

Table 54. Global Heat Exchanger Equipment Revenue by Type (2015-2020) (Million US\$)

Table 55. Global Heat Exchanger Equipment Revenue Share by Type (2015-2020)

Table 56. Heat Exchanger Equipment Price by Type 2015-2020 (USD/Unit)

Table 57. Global Heat Exchanger Equipment Consumption by Application (2015-2020) (K Units)

Table 58. Global Heat Exchanger Equipment Consumption by Application (2015-2020) (K Units)

Table 59. Global Heat Exchanger Equipment Consumption Share by Application (2015-2020)

Table 60. Alfa Laval Corporation Information

Table 61. Alfa Laval Description and Major Businesses

Table 62. Alfa Laval Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 63. Alfa Laval Product

Table 64. Alfa Laval Recent Development

Table 65. Kelvion (GEA) Corporation Information

Table 66. Kelvion (GEA) Description and Major Businesses

Table 67. Kelvion (GEA) Heat Exchanger Equipment Production (K Units), Revenue

(US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 68. Kelvion (GEA) Product

Table 69. Kelvion (GEA) Recent Development

Table 70. SPX Corporation Information

Table 71. SPX Description and Major Businesses

Table 72. SPX Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 73. SPX Product

Table 74. SPX Recent Development

Table 75. IHI Corporation Information

Table 76. IHI Description and Major Businesses

Table 77. IHI Heat Exchanger Equipment Production (K Units), Revenue (US\$ Million),

Price (USD/Unit) and Gross Margin (2015-2020)



Table 78. IHI Product

Table 79. IHI Recent Development

Table 80. Danfoss (Sondex) Corporation Information

Table 81. Danfoss (Sondex) Description and Major Businesses

Table 82. Danfoss (Sondex) Heat Exchanger Equipment Production (K Units), Revenue

(US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 83. Danfoss (Sondex) Product

Table 84. Danfoss (Sondex) Recent Development

Table 85. SPX-Flow Corporation Information

Table 86. SPX-Flow Description and Major Businesses

Table 87. SPX-Flow Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 88. SPX-Flow Product

Table 89. SPX-Flow Recent Development

Table 90. DOOSAN Corporation Information

Table 91. DOOSAN Description and Major Businesses

Table 92. DOOSAN Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 93. DOOSAN Product

Table 94. DOOSAN Recent Development

Table 95. API Corporation Information

Table 96. API Description and Major Businesses

Table 97. API Heat Exchanger Equipment Production (K Units), Revenue (US\$ Million),

Price (USD/Unit) and Gross Margin (2015-2020)

Table 98. API Product

Table 99. API Recent Development

Table 100. KNM Corporation Information

Table 101. KNM Description and Major Businesses

Table 102. KNM Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 103. KNM Product

Table 104. KNM Recent Development

Table 105. Funke Corporation Information

Table 106. Funke Description and Major Businesses

Table 107. Funke Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 108. Funke Product

Table 109. Funke Recent Development

Table 110. Xylem Corporation Information



Table 111. Xylem Description and Major Businesses

Table 112. Xylem Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 113. Xylem Product

Table 114. Xylem Recent Development

Table 115. Thermowave Corporation Information

Table 116. Thermowave Description and Major Businesses

Table 117. Thermowave Heat Exchanger Equipment Production (K Units), Revenue

(US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 118. Thermowave Product

Table 119. Thermowave Recent Development

Table 120. Hisaka Corporation Information

Table 121. Hisaka Description and Major Businesses

Table 122. Hisaka Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 123. Hisaka Product

Table 124. Hisaka Recent Development

Table 125. SWEP Corporation Information

Table 126. SWEP Description and Major Businesses

Table 127. SWEP Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 128. SWEP Product

Table 129. SWEP Recent Development

Table 130. LARSEN & TOUBRO Corporation Information

Table 131. LARSEN & TOUBRO Description and Major Businesses

Table 132. LARSEN & TOUBRO Heat Exchanger Equipment Production (K Units),

Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 133. LARSEN & TOUBRO Product

Table 134. LARSEN & TOUBRO Recent Development

Table 135. Accessen Corporation Information

Table 136. Accessen Description and Major Businesses

Table 137. Accessen Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 138. Accessen Product

Table 139. Accessen Recent Development

Table 140. THT Corporation Information

Table 141. THT Description and Major Businesses

Table 142. THT Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)



Table 143. THT Product

Table 144. THT Recent Development

Table 145. Hitachi Zosen Corporation Information

Table 146. Hitachi Zosen Description and Major Businesses

Table 147. Hitachi Zosen Heat Exchanger Equipment Production (K Units), Revenue

(US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 148. Hitachi Zosen Product

Table 149. Hitachi Zosen Recent Development

Table 150. LANPEC Corporation Information

Table 151. LANPEC Description and Major Businesses

Table 152. LANPEC Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 153. LANPEC Product

Table 154. LANPEC Recent Development

Table 155. Siping ViEX Corporation Information

Table 156. Siping ViEX Description and Major Businesses

Table 157. Siping ViEX Heat Exchanger Equipment Production (K Units), Revenue

(US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 158. Siping ViEX Product

Table 159. Siping ViEX Recent Development

Table 160. Beichen Corporation Information

Table 161. Beichen Description and Major Businesses

Table 162. Beichen Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 163. Beichen Product

Table 164. Beichen Recent Development

Table 165. Lanzhou LS Corporation Information

Table 166. Lanzhou LS Description and Major Businesses

Table 167. Lanzhou LS Heat Exchanger Equipment Production (K Units), Revenue

(US\$ Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 168. Lanzhou LS Product

Table 169. Lanzhou LS Recent Development

Table 170. Defon Corporation Information

Table 171. Defon Description and Major Businesses

Table 172. Defon Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 173. Defon Product

Table 174. Defon Recent Development

Table 175. Ormandy Corporation Information



Table 176. Ormandy Description and Major Businesses

Table 177. Ormandy Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 178. Ormandy Product

Table 179. Ormandy Recent Development

Table 180. FL-HTEP Corporation Information

Table 181. FL-HTEP Description and Major Businesses

Table 182. FL-HTEP Heat Exchanger Equipment Production (K Units), Revenue (US\$

Million), Price (USD/Unit) and Gross Margin (2015-2020)

Table 183. FL-HTEP Product

Table 184. FL-HTEP Recent Development

Table 185. Global Heat Exchanger Equipment Revenue Forecast by Region

(2021-2026) (Million US\$)

Table 186. Global Heat Exchanger Equipment Production Forecast by Regions

(2021-2026) (K Units)

Table 187. Global Heat Exchanger Equipment Production Forecast by Type

(2021-2026) (K Units)

Table 188. Global Heat Exchanger Equipment Revenue Forecast by Type (2021-2026)

(Million US\$)

Table 189. North America Heat Exchanger Equipment Consumption Forecast by

Regions (2021-2026) (K Units)

Table 190. Europe Heat Exchanger Equipment Consumption Forecast by Regions

(2021-2026) (K Units)

Table 191. Asia Pacific Heat Exchanger Equipment Consumption Forecast by Regions

(2021-2026) (K Units)

Table 192. Latin America Heat Exchanger Equipment Consumption Forecast by

Regions (2021-2026) (K Units)

Table 193. Middle East and Africa Heat Exchanger Equipment Consumption Forecast

by Regions (2021-2026) (K Units)

Table 194. Heat Exchanger Equipment Distributors List

Table 195. Heat Exchanger Equipment Customers List

Table 196. Key Opportunities and Drivers: Impact Analysis (2021-2026)

Table 197. Key Challenges

Table 198. Market Risks

Table 199. Research Programs/Design for This Report

Table 200. Key Data Information from Secondary Sources

Table 201. Key Data Information from Primary Sources



List Of Figures

LIST OF FIGURES

- Figure 1. Heat Exchanger Equipment Product Picture
- Figure 2. Global Heat Exchanger Equipment Production Market Share by Type in 2020 & 2026
- Figure 3. Plate-fin Type Product Picture
- Figure 4. Wall Type Product Picture
- Figure 5. Hybrid Type Product Picture
- Figure 6. Global Heat Exchanger Equipment Consumption Market Share by Application in 2020 & 2026
- Figure 7. Automotive
- Figure 8. Aerospace
- Figure 9. Industrial Equipment
- Figure 10. Heat Exchanger Equipment Report Years Considered
- Figure 11. Global Heat Exchanger Equipment Revenue 2015-2026 (Million US\$)
- Figure 12. Global Heat Exchanger Equipment Production Capacity 2015-2026 (K Units)
- Figure 13. Global Heat Exchanger Equipment Production 2015-2026 (K Units)
- Figure 14. Global Heat Exchanger Equipment Market Share Scenario by Region in Percentage: 2020 Versus 2026
- Figure 15. Heat Exchanger Equipment Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2015 VS 2019
- Figure 16. Global Heat Exchanger Equipment Production Share by Manufacturers in 2015
- Figure 17. The Top 10 and Top 5 Players Market Share by Heat Exchanger Equipment Revenue in 2019
- Figure 18. Global Heat Exchanger Equipment Production Market Share by Region (2015-2020)
- Figure 19. Heat Exchanger Equipment Production Growth Rate in North America (2015-2020) (K Units)
- Figure 20. Heat Exchanger Equipment Revenue Growth Rate in North America (2015-2020) (US\$ Million)
- Figure 21. Heat Exchanger Equipment Production Growth Rate in Europe (2015-2020) (K Units)
- Figure 22. Heat Exchanger Equipment Revenue Growth Rate in Europe (2015-2020) (US\$ Million)
- Figure 23. Heat Exchanger Equipment Production Growth Rate in China (2015-2020) (K Units)



- Figure 24. Heat Exchanger Equipment Revenue Growth Rate in China (2015-2020) (US\$ Million)
- Figure 25. Heat Exchanger Equipment Production Growth Rate in Japan (2015-2020) (K Units)
- Figure 26. Heat Exchanger Equipment Revenue Growth Rate in Japan (2015-2020) (US\$ Million)
- Figure 27. Global Heat Exchanger Equipment Consumption Market Share by Regions 2015-2020
- Figure 28. North America Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 29. North America Heat Exchanger Equipment Consumption Market Share by Application in 2019
- Figure 30. North America Heat Exchanger Equipment Consumption Market Share by Countries in 2019
- Figure 31. U.S. Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 32. Canada Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 33. Europe Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 34. Europe Heat Exchanger Equipment Consumption Market Share by Application in 2019
- Figure 35. Europe Heat Exchanger Equipment Consumption Market Share by Countries in 2019
- Figure 36. Germany Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 37. France Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 38. U.K. Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 39. Italy Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 40. Russia Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)
- Figure 41. Asia Pacific Heat Exchanger Equipment Consumption and Growth Rate (K Units)
- Figure 42. Asia Pacific Heat Exchanger Equipment Consumption Market Share by Application in 2019
- Figure 43. Asia Pacific Heat Exchanger Equipment Consumption Market Share by



Regions in 2019

Figure 44. China Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 45. Japan Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 46. South Korea Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 47. India Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 48. Australia Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 49. Taiwan Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 50. Indonesia Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 51. Thailand Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 52. Malaysia Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 53. Philippines Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 54. Vietnam Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 55. Latin America Heat Exchanger Equipment Consumption and Growth Rate (K Units)

Figure 56. Latin America Heat Exchanger Equipment Consumption Market Share by Application in 2019

Figure 57. Latin America Heat Exchanger Equipment Consumption Market Share by Countries in 2019

Figure 58. Mexico Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 59. Brazil Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 60. Argentina Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 61. Middle East and Africa Heat Exchanger Equipment Consumption and Growth Rate (K Units)

Figure 62. Middle East and Africa Heat Exchanger Equipment Consumption Market Share by Application in 2019



Figure 63. Middle East and Africa Heat Exchanger Equipment Consumption Market Share by Countries in 2019

Figure 64. Turkey Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 65. Saudi Arabia Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 66. U.A.E Heat Exchanger Equipment Consumption and Growth Rate (2015-2020) (K Units)

Figure 67. Global Heat Exchanger Equipment Production Market Share by Type (2015-2020)

Figure 68. Global Heat Exchanger Equipment Production Market Share by Type in 2019 Figure 69. Global Heat Exchanger Equipment Revenue Market Share by Type (2015-2020)

Figure 70. Global Heat Exchanger Equipment Revenue Market Share by Type in 2019

Figure 71. Global Heat Exchanger Equipment Production Market Share Forecast by Type (2021-2026)

Figure 72. Global Heat Exchanger Equipment Revenue Market Share Forecast by Type (2021-2026)

Figure 73. Global Heat Exchanger Equipment Market Share by Price Range (2015-2020)

Figure 74. Global Heat Exchanger Equipment Consumption Market Share by Application (2015-2020)

Figure 75. Global Heat Exchanger Equipment Value (Consumption) Market Share by Application (2015-2020)

Figure 76. Global Heat Exchanger Equipment Consumption Market Share Forecast by Application (2021-2026)

Figure 77. Alfa Laval Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 78. Kelvion (GEA) Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 79. SPX Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 80. IHI Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 81. Danfoss (Sondex) Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 82. SPX-Flow Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 83. DOOSAN Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 84. API Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 85. KNM Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 86. Funke Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 87. Xylem Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 88. Thermowave Total Revenue (US\$ Million): 2019 Compared with 2018

Figure 89. Hisaka Total Revenue (US\$ Million): 2019 Compared with 2018



- Figure 90. SWEP Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 91. LARSEN & TOUBRO Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 92. Accessen Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 93. THT Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 94. Hitachi Zosen Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 95. LANPEC Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 96. Siping ViEX Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 97. Beichen Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 98. Lanzhou LS Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 99. Defon Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 100. Ormandy Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 101. FL-HTEP Total Revenue (US\$ Million): 2019 Compared with 2018
- Figure 102. Global Heat Exchanger Equipment Revenue Forecast by Regions (2021-2026) (US\$ Million)
- Figure 103. Global Heat Exchanger Equipment Revenue Market Share Forecast by Regions ((2021-2026))
- Figure 104. Global Heat Exchanger Equipment Production Forecast by Regions (2021-2026) (K Units)
- Figure 105. North America Heat Exchanger Equipment Production Forecast (2021-2026) (K Units)
- Figure 106. North America Heat Exchanger Equipment Revenue Forecast (2021-2026) (US\$ Million)
- Figure 107. Europe Heat Exchanger Equipment Production Forecast (2021-2026) (K Units)
- Figure 108. Europe Heat Exchanger Equipment Revenue Forecast (2021-2026) (US\$ Million)
- Figure 109. China Heat Exchanger Equipment Production Forecast (2021-2026) (K Units)
- Figure 110. China Heat Exchanger Equipment Revenue Forecast (2021-2026) (US\$ Million)
- Figure 111. Japan Heat Exchanger Equipment Production Forecast (2021-2026) (K Units)
- Figure 112. Japan Heat Exchanger Equipment Revenue Forecast (2021-2026) (US\$ Million)
- Figure 113. Global Heat Exchanger Equipment Consumption Market Share Forecast by Region (2021-2026)
- Figure 114. Heat Exchanger Equipment Value Chain
- Figure 115. Channels of Distribution



Figure 116. Distributors Profiles

Figure 117. Porter's Five Forces Analysis

Figure 118. Bottom-up and Top-down Approaches for This Report

Figure 119. Data Triangulation

Figure 120. Key Executives Interviewed



I would like to order

Product name: COVID-19 Impact on Global Heat Exchanger Equipment, Market Insights and Forecast to

2026

Product link: https://marketpublishers.com/r/CB6777FD7112EN.html

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/CB6777FD7112EN.html

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer 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



