

Global Pulsating Heat Pipe Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Pulsating Heat Pipe market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

?Pulsating heat pipe? is a new type of high-efficiency heat pipe, which was first proposed by Japan's Akachi in the 1990s. It has the characteristics of simple structure, coreless, arbitrarily bendable shape, large heat transfer coefficient, small size, etc. It is an electronic device cooler with great potential. The pulsating heat pipe realizes heat transport through the gas-liquid two-phase pulsating phase change of the internal working medium, without consuming external mechanical or electrical power. It is completely self-oscillating under thermal drive.

This report is a detailed and comprehensive analysis for global Pulsating Heat Pipe 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 2025, are provided.

Key Features:

Global Pulsating Heat Pipe market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Pulsating Heat Pipe market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Pulsating Heat Pipe market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Pulsating Heat Pipe market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

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 Pulsating Heat Pipe
- 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 Pulsating Heat Pipe 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 Novark Technologies, ThermAvant Technologies, Calyos, Baknor, Anminrui Electronic Technology, Fastrun Thermal, etc.

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

Market Segmentation

Pulsating Heat Pipe market is split by Type and by Application. For the period 2020-2031, 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

Open Loop

Closed Loop

Market segment by Application

Electronic Device

Solar Cooling

Other

Major players covered

Novark Technologies

ThermAvant Technologies

Calyos

Baknor

Anminrui Electronic Technology

Fastrun Thermal

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 Pulsating Heat Pipe product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Pulsating Heat Pipe, with price, sales quantity, revenue, and global market share of Pulsating Heat Pipe from 2020 to 2025.

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

Chapter 4, the Pulsating Heat Pipe breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Pulsating Heat Pipe market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Pulsating Heat Pipe.

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

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Pulsating Heat Pipe Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Open Loop

1.3.3 Closed Loop

1.4 Market Analysis by Application

1.4.1 Overview: Global Pulsating Heat Pipe Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Electronic Device

1.4.3 Solar Cooling

1.4.4 Other

1.5 Global Pulsating Heat Pipe Market Size & Forecast

1.5.1 Global Pulsating Heat Pipe Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Pulsating Heat Pipe Sales Quantity (2020-2031)

1.5.3 Global Pulsating Heat Pipe Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Novark Technologies

2.1.1 Novark Technologies Details

2.1.2 Novark Technologies Major Business

2.1.3 Novark Technologies Pulsating Heat Pipe Product and Services

2.1.4 Novark Technologies Pulsating Heat Pipe Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Novark Technologies Recent Developments/Updates

2.2 ThermAvant Technologies

2.2.1 ThermAvant Technologies Details

2.2.2 ThermAvant Technologies Major Business

2.2.3 ThermAvant Technologies Pulsating Heat Pipe Product and Services

2.2.4 ThermAvant Technologies Pulsating Heat Pipe Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 ThermAvant Technologies Recent Developments/Updates

2.3 Calyos

- 2.3.1 Calyos Details
- 2.3.2 Calyos Major Business
- 2.3.3 Calyos Pulsating Heat Pipe Product and Services
- 2.3.4 Calyos Pulsating Heat Pipe Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.3.5 Calyos Recent Developments/Updates
- 2.4 Baknor
 - 2.4.1 Baknor Details
 - 2.4.2 Baknor Major Business
 - 2.4.3 Baknor Pulsating Heat Pipe Product and Services
 - 2.4.4 Baknor Pulsating Heat Pipe Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 Baknor Recent Developments/Updates
- 2.5 Anminrui Electronic Technology
 - 2.5.1 Anminrui Electronic Technology Details
 - 2.5.2 Anminrui Electronic Technology Major Business
 - 2.5.3 Anminrui Electronic Technology Pulsating Heat Pipe Product and Services
 - 2.5.4 Anminrui Electronic Technology Pulsating Heat Pipe Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 Anminrui Electronic Technology Recent Developments/Updates
- 2.6 Fastrun Thermal
 - 2.6.1 Fastrun Thermal Details
 - 2.6.2 Fastrun Thermal Major Business
 - 2.6.3 Fastrun Thermal Pulsating Heat Pipe Product and Services
 - 2.6.4 Fastrun Thermal Pulsating Heat Pipe Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 Fastrun Thermal Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: PULSATING HEAT PIPE BY MANUFACTURER

- 3.1 Global Pulsating Heat Pipe Sales Quantity by Manufacturer (2020-2025)
- 3.2 Global Pulsating Heat Pipe Revenue by Manufacturer (2020-2025)
- 3.3 Global Pulsating Heat Pipe Average Price by Manufacturer (2020-2025)
- 3.4 Market Share Analysis (2024)
 - 3.4.1 Producer Shipments of Pulsating Heat Pipe by Manufacturer Revenue (\$MM) and Market Share (%): 2024
 - 3.4.2 Top 3 Pulsating Heat Pipe Manufacturer Market Share in 2024
 - 3.4.3 Top 6 Pulsating Heat Pipe Manufacturer Market Share in 2024
- 3.5 Pulsating Heat Pipe Market: Overall Company Footprint Analysis

- 3.5.1 Pulsating Heat Pipe Market: Region Footprint
- 3.5.2 Pulsating Heat Pipe Market: Company Product Type Footprint
- 3.5.3 Pulsating Heat Pipe Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Pulsating Heat Pipe Market Size by Region
 - 4.1.1 Global Pulsating Heat Pipe Sales Quantity by Region (2020-2031)
 - 4.1.2 Global Pulsating Heat Pipe Consumption Value by Region (2020-2031)
 - 4.1.3 Global Pulsating Heat Pipe Average Price by Region (2020-2031)
- 4.2 North America Pulsating Heat Pipe Consumption Value (2020-2031)
- 4.3 Europe Pulsating Heat Pipe Consumption Value (2020-2031)
- 4.4 Asia-Pacific Pulsating Heat Pipe Consumption Value (2020-2031)
- 4.5 South America Pulsating Heat Pipe Consumption Value (2020-2031)
- 4.6 Middle East & Africa Pulsating Heat Pipe Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Pulsating Heat Pipe Sales Quantity by Type (2020-2031)
- 5.2 Global Pulsating Heat Pipe Consumption Value by Type (2020-2031)
- 5.3 Global Pulsating Heat Pipe Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Pulsating Heat Pipe Sales Quantity by Application (2020-2031)
- 6.2 Global Pulsating Heat Pipe Consumption Value by Application (2020-2031)
- 6.3 Global Pulsating Heat Pipe Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Pulsating Heat Pipe Sales Quantity by Type (2020-2031)
- 7.2 North America Pulsating Heat Pipe Sales Quantity by Application (2020-2031)
- 7.3 North America Pulsating Heat Pipe Market Size by Country
 - 7.3.1 North America Pulsating Heat Pipe Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Pulsating Heat Pipe Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

8.1 Europe Pulsating Heat Pipe Sales Quantity by Type (2020-2031)

8.2 Europe Pulsating Heat Pipe Sales Quantity by Application (2020-2031)

8.3 Europe Pulsating Heat Pipe Market Size by Country

8.3.1 Europe Pulsating Heat Pipe Sales Quantity by Country (2020-2031)

8.3.2 Europe Pulsating Heat Pipe Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

9.1 Asia-Pacific Pulsating Heat Pipe Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Pulsating Heat Pipe Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Pulsating Heat Pipe Market Size by Region

9.3.1 Asia-Pacific Pulsating Heat Pipe Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Pulsating Heat Pipe Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

9.3.4 Japan Market Size and Forecast (2020-2031)

9.3.5 South Korea Market Size and Forecast (2020-2031)

9.3.6 India Market Size and Forecast (2020-2031)

9.3.7 Southeast Asia Market Size and Forecast (2020-2031)

9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

10.1 South America Pulsating Heat Pipe Sales Quantity by Type (2020-2031)

10.2 South America Pulsating Heat Pipe Sales Quantity by Application (2020-2031)

10.3 South America Pulsating Heat Pipe Market Size by Country

10.3.1 South America Pulsating Heat Pipe Sales Quantity by Country (2020-2031)

10.3.2 South America Pulsating Heat Pipe Consumption Value by Country (2020-2031)

10.3.3 Brazil Market Size and Forecast (2020-2031)

10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Pulsating Heat Pipe Sales Quantity by Type (2020-2031)

11.2 Middle East & Africa Pulsating Heat Pipe Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Pulsating Heat Pipe Market Size by Country

11.3.1 Middle East & Africa Pulsating Heat Pipe Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Pulsating Heat Pipe Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Pulsating Heat Pipe Market Drivers

12.2 Pulsating Heat Pipe Market Restraints

12.3 Pulsating Heat Pipe Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Pulsating Heat Pipe and Key Manufacturers

13.2 Manufacturing Costs Percentage of Pulsating Heat Pipe

13.3 Pulsating Heat Pipe Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

- 14.1.2 Distributors
- 14.2 Pulsating Heat Pipe Typical Distributors
- 14.3 Pulsating Heat Pipe Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Pulsating Heat Pipe Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Pulsating Heat Pipe Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Novark Technologies Basic Information, Manufacturing Base and Competitors

Table 4. Novark Technologies Major Business

Table 5. Novark Technologies Pulsating Heat Pipe Product and Services

Table 6. Novark Technologies Pulsating Heat Pipe Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Novark Technologies Recent Developments/Updates

Table 8. ThermAvant Technologies Basic Information, Manufacturing Base and Competitors

Table 9. ThermAvant Technologies Major Business

Table 10. ThermAvant Technologies Pulsating Heat Pipe Product and Services

Table 11. ThermAvant Technologies Pulsating Heat Pipe Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. ThermAvant Technologies Recent Developments/Updates

Table 13. Calyos Basic Information, Manufacturing Base and Competitors

Table 14. Calyos Major Business

Table 15. Calyos Pulsating Heat Pipe Product and Services

Table 16. Calyos Pulsating Heat Pipe Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Calyos Recent Developments/Updates

Table 18. Baknor Basic Information, Manufacturing Base and Competitors

Table 19. Baknor Major Business

Table 20. Baknor Pulsating Heat Pipe Product and Services

Table 21. Baknor Pulsating Heat Pipe Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Baknor Recent Developments/Updates

Table 23. Anminrui Electronic Technology Basic Information, Manufacturing Base and Competitors

Table 24. Anminrui Electronic Technology Major Business

Table 25. Anminrui Electronic Technology Pulsating Heat Pipe Product and Services

Table 26. Anminrui Electronic Technology Pulsating Heat Pipe Sales Quantity (K Units),

Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Anminrui Electronic Technology Recent Developments/Updates

Table 28. Fastrun Thermal Basic Information, Manufacturing Base and Competitors

Table 29. Fastrun Thermal Major Business

Table 30. Fastrun Thermal Pulsating Heat Pipe Product and Services

Table 31. Fastrun Thermal Pulsating Heat Pipe Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Fastrun Thermal Recent Developments/Updates

Table 33. Global Pulsating Heat Pipe Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 34. Global Pulsating Heat Pipe Revenue by Manufacturer (2020-2025) & (USD Million)

Table 35. Global Pulsating Heat Pipe Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 36. Market Position of Manufacturers in Pulsating Heat Pipe, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 37. Head Office and Pulsating Heat Pipe Production Site of Key Manufacturer

Table 38. Pulsating Heat Pipe Market: Company Product Type Footprint

Table 39. Pulsating Heat Pipe Market: Company Product Application Footprint

Table 40. Pulsating Heat Pipe New Market Entrants and Barriers to Market Entry

Table 41. Pulsating Heat Pipe Mergers, Acquisition, Agreements, and Collaborations

Table 42. Global Pulsating Heat Pipe Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 43. Global Pulsating Heat Pipe Sales Quantity by Region (2020-2025) & (K Units)

Table 44. Global Pulsating Heat Pipe Sales Quantity by Region (2026-2031) & (K Units)

Table 45. Global Pulsating Heat Pipe Consumption Value by Region (2020-2025) & (USD Million)

Table 46. Global Pulsating Heat Pipe Consumption Value by Region (2026-2031) & (USD Million)

Table 47. Global Pulsating Heat Pipe Average Price by Region (2020-2025) & (US\$/Unit)

Table 48. Global Pulsating Heat Pipe Average Price by Region (2026-2031) & (US\$/Unit)

Table 49. Global Pulsating Heat Pipe Sales Quantity by Type (2020-2025) & (K Units)

Table 50. Global Pulsating Heat Pipe Sales Quantity by Type (2026-2031) & (K Units)

Table 51. Global Pulsating Heat Pipe Consumption Value by Type (2020-2025) & (USD Million)

Table 52. Global Pulsating Heat Pipe Consumption Value by Type (2026-2031) & (USD Million)

Million)

Table 53. Global Pulsating Heat Pipe Average Price by Type (2020-2025) & (US\$/Unit)

Table 54. Global Pulsating Heat Pipe Average Price by Type (2026-2031) & (US\$/Unit)

Table 55. Global Pulsating Heat Pipe Sales Quantity by Application (2020-2025) & (K Units)

Table 56. Global Pulsating Heat Pipe Sales Quantity by Application (2026-2031) & (K Units)

Table 57. Global Pulsating Heat Pipe Consumption Value by Application (2020-2025) & (USD Million)

Table 58. Global Pulsating Heat Pipe Consumption Value by Application (2026-2031) & (USD Million)

Table 59. Global Pulsating Heat Pipe Average Price by Application (2020-2025) & (US\$/Unit)

Table 60. Global Pulsating Heat Pipe Average Price by Application (2026-2031) & (US\$/Unit)

Table 61. North America Pulsating Heat Pipe Sales Quantity by Type (2020-2025) & (K Units)

Table 62. North America Pulsating Heat Pipe Sales Quantity by Type (2026-2031) & (K Units)

Table 63. North America Pulsating Heat Pipe Sales Quantity by Application (2020-2025) & (K Units)

Table 64. North America Pulsating Heat Pipe Sales Quantity by Application (2026-2031) & (K Units)

Table 65. North America Pulsating Heat Pipe Sales Quantity by Country (2020-2025) & (K Units)

Table 66. North America Pulsating Heat Pipe Sales Quantity by Country (2026-2031) & (K Units)

Table 67. North America Pulsating Heat Pipe Consumption Value by Country (2020-2025) & (USD Million)

Table 68. North America Pulsating Heat Pipe Consumption Value by Country (2026-2031) & (USD Million)

Table 69. Europe Pulsating Heat Pipe Sales Quantity by Type (2020-2025) & (K Units)

Table 70. Europe Pulsating Heat Pipe Sales Quantity by Type (2026-2031) & (K Units)

Table 71. Europe Pulsating Heat Pipe Sales Quantity by Application (2020-2025) & (K Units)

Table 72. Europe Pulsating Heat Pipe Sales Quantity by Application (2026-2031) & (K Units)

Table 73. Europe Pulsating Heat Pipe Sales Quantity by Country (2020-2025) & (K Units)

Table 74. Europe Pulsating Heat Pipe Sales Quantity by Country (2026-2031) & (K Units)

Table 75. Europe Pulsating Heat Pipe Consumption Value by Country (2020-2025) & (USD Million)

Table 76. Europe Pulsating Heat Pipe Consumption Value by Country (2026-2031) & (USD Million)

Table 77. Asia-Pacific Pulsating Heat Pipe Sales Quantity by Type (2020-2025) & (K Units)

Table 78. Asia-Pacific Pulsating Heat Pipe Sales Quantity by Type (2026-2031) & (K Units)

Table 79. Asia-Pacific Pulsating Heat Pipe Sales Quantity by Application (2020-2025) & (K Units)

Table 80. Asia-Pacific Pulsating Heat Pipe Sales Quantity by Application (2026-2031) & (K Units)

Table 81. Asia-Pacific Pulsating Heat Pipe Sales Quantity by Region (2020-2025) & (K Units)

Table 82. Asia-Pacific Pulsating Heat Pipe Sales Quantity by Region (2026-2031) & (K Units)

Table 83. Asia-Pacific Pulsating Heat Pipe Consumption Value by Region (2020-2025) & (USD Million)

Table 84. Asia-Pacific Pulsating Heat Pipe Consumption Value by Region (2026-2031) & (USD Million)

Table 85. South America Pulsating Heat Pipe Sales Quantity by Type (2020-2025) & (K Units)

Table 86. South America Pulsating Heat Pipe Sales Quantity by Type (2026-2031) & (K Units)

Table 87. South America Pulsating Heat Pipe Sales Quantity by Application (2020-2025) & (K Units)

Table 88. South America Pulsating Heat Pipe Sales Quantity by Application (2026-2031) & (K Units)

Table 89. South America Pulsating Heat Pipe Sales Quantity by Country (2020-2025) & (K Units)

Table 90. South America Pulsating Heat Pipe Sales Quantity by Country (2026-2031) & (K Units)

Table 91. South America Pulsating Heat Pipe Consumption Value by Country (2020-2025) & (USD Million)

Table 92. South America Pulsating Heat Pipe Consumption Value by Country (2026-2031) & (USD Million)

Table 93. Middle East & Africa Pulsating Heat Pipe Sales Quantity by Type (2020-2025)

& (K Units)

Table 94. Middle East & Africa Pulsating Heat Pipe Sales Quantity by Type (2026-2031)

& (K Units)

Table 95. Middle East & Africa Pulsating Heat Pipe Sales Quantity by Application
(2020-2025) & (K Units)

Table 96. Middle East & Africa Pulsating Heat Pipe Sales Quantity by Application
(2026-2031) & (K Units)

Table 97. Middle East & Africa Pulsating Heat Pipe Sales Quantity by Country
(2020-2025) & (K Units)

Table 98. Middle East & Africa Pulsating Heat Pipe Sales Quantity by Country
(2026-2031) & (K Units)

Table 99. Middle East & Africa Pulsating Heat Pipe Consumption Value by Country
(2020-2025) & (USD Million)

Table 100. Middle East & Africa Pulsating Heat Pipe Consumption Value by Country
(2026-2031) & (USD Million)

Table 101. Pulsating Heat Pipe Raw Material

Table 102. Key Manufacturers of Pulsating Heat Pipe Raw Materials

Table 103. Pulsating Heat Pipe Typical Distributors

Table 104. Pulsating Heat Pipe Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Pulsating Heat Pipe Picture

Figure 2. Global Pulsating Heat Pipe Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Pulsating Heat Pipe Revenue Market Share by Type in 2024

Figure 4. Open Loop Examples

Figure 5. Closed Loop Examples

Figure 6. Global Pulsating Heat Pipe Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 7. Global Pulsating Heat Pipe Revenue Market Share by Application in 2024

Figure 8. Electronic Device Examples

Figure 9. Solar Cooling Examples

Figure 10. Other Examples

Figure 11. Global Pulsating Heat Pipe Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 12. Global Pulsating Heat Pipe Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 13. Global Pulsating Heat Pipe Sales Quantity (2020-2031) & (K Units)

Figure 14. Global Pulsating Heat Pipe Price (2020-2031) & (US\$/Unit)

Figure 15. Global Pulsating Heat Pipe Sales Quantity Market Share by Manufacturer in 2024

Figure 16. Global Pulsating Heat Pipe Revenue Market Share by Manufacturer in 2024

Figure 17. Producer Shipments of Pulsating Heat Pipe by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 18. Top 3 Pulsating Heat Pipe Manufacturer (Revenue) Market Share in 2024

Figure 19. Top 6 Pulsating Heat Pipe Manufacturer (Revenue) Market Share in 2024

Figure 20. Global Pulsating Heat Pipe Sales Quantity Market Share by Region (2020-2031)

Figure 21. Global Pulsating Heat Pipe Consumption Value Market Share by Region (2020-2031)

Figure 22. North America Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 23. Europe Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 24. Asia-Pacific Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 25. South America Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Million)

Figure 26. Middle East & Africa Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 27. Global Pulsating Heat Pipe Sales Quantity Market Share by Type (2020-2031)

Figure 28. Global Pulsating Heat Pipe Consumption Value Market Share by Type (2020-2031)

Figure 29. Global Pulsating Heat Pipe Average Price by Type (2020-2031) & (US\$/Unit)

Figure 30. Global Pulsating Heat Pipe Sales Quantity Market Share by Application (2020-2031)

Figure 31. Global Pulsating Heat Pipe Revenue Market Share by Application (2020-2031)

Figure 32. Global Pulsating Heat Pipe Average Price by Application (2020-2031) & (US\$/Unit)

Figure 33. North America Pulsating Heat Pipe Sales Quantity Market Share by Type (2020-2031)

Figure 34. North America Pulsating Heat Pipe Sales Quantity Market Share by Application (2020-2031)

Figure 35. North America Pulsating Heat Pipe Sales Quantity Market Share by Country (2020-2031)

Figure 36. North America Pulsating Heat Pipe Consumption Value Market Share by Country (2020-2031)

Figure 37. United States Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 38. Canada Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 39. Mexico Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 40. Europe Pulsating Heat Pipe Sales Quantity Market Share by Type (2020-2031)

Figure 41. Europe Pulsating Heat Pipe Sales Quantity Market Share by Application (2020-2031)

Figure 42. Europe Pulsating Heat Pipe Sales Quantity Market Share by Country (2020-2031)

Figure 43. Europe Pulsating Heat Pipe Consumption Value Market Share by Country (2020-2031)

Figure 44. Germany Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 45. France Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 46. United Kingdom Pulsating Heat Pipe Consumption Value (2020-2031) &

(USD Million)

Figure 47. Russia Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 48. Italy Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 49. Asia-Pacific Pulsating Heat Pipe Sales Quantity Market Share by Type (2020-2031)

Figure 50. Asia-Pacific Pulsating Heat Pipe Sales Quantity Market Share by Application (2020-2031)

Figure 51. Asia-Pacific Pulsating Heat Pipe Sales Quantity Market Share by Region (2020-2031)

Figure 52. Asia-Pacific Pulsating Heat Pipe Consumption Value Market Share by Region (2020-2031)

Figure 53. China Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 54. Japan Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 55. South Korea Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 56. India Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 57. Southeast Asia Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 58. Australia Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 59. South America Pulsating Heat Pipe Sales Quantity Market Share by Type (2020-2031)

Figure 60. South America Pulsating Heat Pipe Sales Quantity Market Share by Application (2020-2031)

Figure 61. South America Pulsating Heat Pipe Sales Quantity Market Share by Country (2020-2031)

Figure 62. South America Pulsating Heat Pipe Consumption Value Market Share by Country (2020-2031)

Figure 63. Brazil Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 64. Argentina Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 65. Middle East & Africa Pulsating Heat Pipe Sales Quantity Market Share by Type (2020-2031)

Figure 66. Middle East & Africa Pulsating Heat Pipe Sales Quantity Market Share by Application (2020-2031)

Figure 67. Middle East & Africa Pulsating Heat Pipe Sales Quantity Market Share by Country (2020-2031)

Figure 68. Middle East & Africa Pulsating Heat Pipe Consumption Value Market Share by Country (2020-2031)

Figure 69. Turkey Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 70. Egypt Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 71. Saudi Arabia Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 72. South Africa Pulsating Heat Pipe Consumption Value (2020-2031) & (USD Million)

Figure 73. Pulsating Heat Pipe Market Drivers

Figure 74. Pulsating Heat Pipe Market Restraints

Figure 75. Pulsating Heat Pipe Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Pulsating Heat Pipe in 2024

Figure 78. Manufacturing Process Analysis of Pulsating Heat Pipe

Figure 79. Pulsating Heat Pipe Industrial Chain

Figure 80. Sales Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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