

# Global Aluminum Vapor Chamber Market Growth 2026-2032

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## Abstracts

The global Aluminum Vapor Chamber market size is predicted to grow from US\$ 108 million in 2025 to US\$ 266 million in 2032; it is expected to grow at a CAGR of 14.6% from 2026 to 2032.

Aluminum Vapor Chamber is a lightweight thermal management device that uses aluminum as the primary structural material and relies on two-phase phase-change heat transfer inside a sealed chamber to rapidly distribute heat across electronic components. Compared with traditional copper-based solutions, it offers advantages in lower weight, reduced material cost, and efficient large-area heat spreading, making it well suited for compact electronic systems that require effective thermal control. The capacity utilization rate in 2025 reached 85%, and the industry's average gross margin was approximately 26%. Production in 2025 totaled 68.75 million units at an average price of 1.6 USD per unit. The upstream mainly relies on aluminum powder as the key raw material, with representative suppliers including Aluminum Corporation of China, China Hongqiao Group, Alcoa, and Rio Tinto. The midstream focuses on vapor chamber structural design, aluminum forming, vacuum sealing, wick structure fabrication, and reliability testing to ensure stable thermal performance and long-term durability. Downstream applications are mainly concentrated in consumer electronics, telecommunications equipment, and servers, with representative customers including Apple, Samsung, Huawei, Dell, Inspur, and Ericsson.

United States market for Aluminum Vapor Chamber is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Aluminum Vapor Chamber is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Aluminum Vapor Chamber is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Aluminum Vapor Chamber players cover Auras Technology, CCI, Fujikura, AVC, Jentech, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Aluminum Vapor Chamber Industry Forecast? looks at past sales and reviews total world Aluminum Vapor Chamber sales in 2025, providing a comprehensive analysis by region and market sector of projected Aluminum Vapor Chamber sales for 2026 through 2032. With Aluminum Vapor Chamber sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Aluminum Vapor Chamber industry.

This Insight Report provides a comprehensive analysis of the global Aluminum Vapor Chamber landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Aluminum Vapor Chamber portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Aluminum Vapor Chamber market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Aluminum Vapor Chamber and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Aluminum Vapor Chamber.

This report presents a comprehensive overview, market shares, and growth opportunities of Aluminum Vapor Chamber market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Thickness

## Contents

### **1 SCOPE OF THE REPORT**

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Aluminum Vapor Chamber Annual Sales 2021-2032
  - 2.1.2 World Current & Future Analysis for Aluminum Vapor Chamber by Geographic Region, 2021, 2025 & 2032
  - 2.1.3 World Current & Future Analysis for Aluminum Vapor Chamber by Country/Region, 2021, 2025 & 2032
- 2.2 Aluminum Vapor Chamber Segment by Type
  - 2.2.1 Thickness

## List Of Tables

### LIST OF TABLES

Table 1. Aluminum Vapor Chamber Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Aluminum Vapor Chamber Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Thickness

## List Of Figures

### LIST OF FIGURES

Figure 1. Picture of Aluminum Vapor Chamber

Figure 2. Aluminum Vapor Chamber Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Aluminum Vapor Chamber Sales Growth Rate 2021-2032 (K Units)

Figure 7. Global Aluminum Vapor Chamber Revenue Growth Rate 2021-2032 (\$ millions)

Figure 8. Aluminum Vapor Chamber Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Figure 9. Aluminum Vapor Chamber Sales Market Share by Country/Region (2025)

Figure 10. Aluminum Vapor Chamber Sales Market Share by Country/Region (2021, 2025 & 2032)

Figure 11. Product Picture of Thickness

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