

Global Aluminum Vapor Chamber Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Aluminum Vapor Chamber market size was valued at US\$ 113 million in 2025 and is forecast to a readjusted size of US\$ 268 million by 2032 with a CAGR of 13.8% during review period.

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.

This report is a detailed and comprehensive analysis for global Aluminum Vapor Chamber 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 Aluminum Vapor Chamber market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Aluminum Vapor Chamber market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Aluminum Vapor Chamber market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Aluminum Vapor Chamber market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Aluminum Vapor Chamber
- 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 Aluminum Vapor Chamber 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 Auras Technology, CCI, Fujikura, AVC, Jentech, Suzhou Tianmai Thermal Technology, Jones Tech, J.Pond Precision Technology, Feirongda Technology, LINGYI iTECH, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Aluminum Vapor Chamber market is split by Type and by Application. For the period 2021-2032, 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

Thickness

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