

# Global Heavy Duty Knife Gate Valve Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/G1D480E9A971EN.html>

Date: March 2026

Pages: 149

Price: US\$ 3,200.00 (Single User License)

ID: G1D480E9A971EN

## Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Heavy Duty Knife Gate Valve competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. The Heavy Duty Knife Gate Valve is an industrial isolation valve specifically engineered for high-wear, high-pressure, and severe service conditions. Its defining feature is a wedge-shaped knife gate that vertically cuts through fluids containing solid particles, fibers, or highly viscous media. Constructed from wear-resistant materials like cast iron, stainless steel, or specialty alloys, the valve employs either metal hard-sealing or elastic linings (e.g., rubber, polyurethane) to withstand corrosive, high-temperature, or abrasive substances. Unlike conventional gate valves, its blade design minimizes flow resistance while achieving positive shutoff through mechanical compression, making it ideal for pipeline systems in mining tailings, pulp/paper slurries, and wastewater treatment. Operation modes include manual, pneumatic, hydraulic, or electric actuation, with some models featuring self-cleaning mechanisms to prevent media buildup. With industrial-grade protections (e.g., explosion-proof housings, reinforced stems), it maintains reliable performance in extreme environments, offering extended maintenance intervals as a critical component in heavy industrial process control. As a critical component in industrial fluid control systems, the future of heavy duty knife gate valves is closely tied to the transformation of heavy industries. The growing global emphasis on industrial efficiency and reliability is driving demand for high-performance, long-lasting valves, which will likely spur continuous innovation in materials science and sealing technologies. Meanwhile, tightening environmental regulations and the shift toward smart manufacturing may push valve manufacturers to focus more on sealing performance, corrosion resistance, and compatibility with automated systems. However, the industry faces challenges, including

the difficulty of balancing cost and performance in extreme operating conditions, as well as the need for customization to suit diverse industrial applications?factors that could influence market adoption and competitive dynamics. Going forward, solutions that integrate advanced materials, smart monitoring, and modular design may emerge as key drivers of industry evolution.

The global Heavy Duty Knife Gate Valve market size was estimated at USD 637.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 4.20% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Heavy Duty Knife Gate Valve market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Heavy Duty Knife Gate Valve market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Heavy Duty Knife Gate Valve market.

### **Global Heavy Duty Knife Gate Valve Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their

product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

### **Key Company**

WEIR  
Townley  
ORBINOX  
Valmet  
DEZURIK  
CMO Valves  
AVK Group  
Bray International  
ITT Industrial Process  
Emerson  
FLSmidth A/S  
REDIX Industries  
Red Valve

### **Market Segmentation (by Type)**

Full-Flanged Type  
Wafer-Style Type  
Others

### **Market Segmentation (by Application)**

Mining  
Electricity  
Chemicals  
Water Treatment  
Others

### **Geographic Segmentation**

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

### **Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Heavy Duty Knife Gate Valve Market

Overview of the regional outlook of the Heavy Duty Knife Gate Valve Market:

### **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

### **Chapter Outline**

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Heavy Duty Knife Gate Valve Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Heavy Duty Knife Gate Valve, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

**Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

### **Customization of the Report**

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## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Heavy Duty Knife Gate Valve
- 1.2 Key Market Segments
  - 1.2.1 Heavy Duty Knife Gate Valve Segment by Type
  - 1.2.2 Heavy Duty Knife Gate Valve Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 HEAVY DUTY KNIFE GATE VALVE MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Heavy Duty Knife Gate Valve Market Size (M USD) Estimates and Forecasts (2020-2035)
  - 2.1.2 Global Heavy Duty Knife Gate Valve Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 HEAVY DUTY KNIFE GATE VALVE MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global Heavy Duty Knife Gate Valve Product Life Cycle
- 3.3 Global Heavy Duty Knife Gate Valve Sales by Manufacturers (2020-2025)
- 3.4 Global Heavy Duty Knife Gate Valve Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Heavy Duty Knife Gate Valve Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Heavy Duty Knife Gate Valve Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Heavy Duty Knife Gate Valve Market Competitive Situation and Trends
  - 3.8.1 Heavy Duty Knife Gate Valve Market Concentration Rate
  - 3.8.2 Global 5 and 10 Largest Heavy Duty Knife Gate Valve Players Market Share by Revenue

### 3.8.3 Mergers & Acquisitions, Expansion

## **4 HEAVY DUTY KNIFE GATE VALVE INDUSTRY CHAIN ANALYSIS**

### 4.1 Heavy Duty Knife Gate Valve Industry Chain Analysis

### 4.2 Market Overview of Key Raw Materials

### 4.3 Midstream Market Analysis

### 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF HEAVY DUTY KNIFE GATE VALVE MARKET**

### 5.1 Key Development Trends

### 5.2 Driving Factors

### 5.3 Market Challenges

### 5.4 Industry News

#### 5.4.1 New Product Developments

#### 5.4.2 Mergers & Acquisitions

#### 5.4.3 Expansions

#### 5.4.4 Collaboration/Supply Contracts

### 5.5 PEST Analysis

#### 5.5.1 Industry Policies Analysis

#### 5.5.2 Economic Environment Analysis

#### 5.5.3 Social Environment Analysis

#### 5.5.4 Technological Environment Analysis

### 5.6 Global Heavy Duty Knife Gate Valve Market Porter's Five Forces Analysis

#### 5.6.1 Global Trade Frictions

#### 5.6.2 U.S. Tariff Policy ? April 2025

#### 5.6.3 Global Trade Frictions and Their Impacts to Heavy Duty Knife Gate Valve Market

### 5.7 ESG Ratings of Leading Companies

## **6 HEAVY DUTY KNIFE GATE VALVE MARKET SEGMENTATION BY TYPE**

### 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

### 6.2 Global Heavy Duty Knife Gate Valve Sales Market Share by Type (2020-2025)

### 6.3 Global Heavy Duty Knife Gate Valve Market Size by Type (2020-2025)

### 6.4 Global Heavy Duty Knife Gate Valve Price by Type (2020-2025)

## **7 HEAVY DUTY KNIFE GATE VALVE MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Heavy Duty Knife Gate Valve Market Sales by Application (2020-2025)
- 7.3 Global Heavy Duty Knife Gate Valve Market Size (M USD) by Application (2020-2025)
- 7.4 Global Heavy Duty Knife Gate Valve Sales Growth Rate by Application (2020-2025)

## **8 HEAVY DUTY KNIFE GATE VALVE MARKET SALES BY REGION**

- 8.1 Global Heavy Duty Knife Gate Valve Sales by Region
  - 8.1.1 Global Heavy Duty Knife Gate Valve Sales by Region
  - 8.1.2 Global Heavy Duty Knife Gate Valve Sales Market Share by Region
- 8.2 Global Heavy Duty Knife Gate Valve Market Size by Region
  - 8.2.1 Global Heavy Duty Knife Gate Valve Market Size by Region
  - 8.2.2 Global Heavy Duty Knife Gate Valve Market Size by Region
- 8.3 North America
  - 8.3.1 North America Heavy Duty Knife Gate Valve Sales by Country
  - 8.3.2 North America Heavy Duty Knife Gate Valve Market Size by Country
  - 8.3.3 U.S. Market Overview
  - 8.3.4 Canada Market Overview
  - 8.3.5 Mexico Market Overview
- 8.4 Europe
  - 8.4.1 Europe Heavy Duty Knife Gate Valve Sales by Country
  - 8.4.2 Europe Heavy Duty Knife Gate Valve Market Size by Country
  - 8.4.3 Germany Market Overview
  - 8.4.4 France Market Overview
  - 8.4.5 U.K. Market Overview
  - 8.4.6 Italy Market Overview
  - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
  - 8.5.1 Asia Pacific Heavy Duty Knife Gate Valve Sales by Region
  - 8.5.2 Asia Pacific Heavy Duty Knife Gate Valve Market Size by Region
  - 8.5.3 China Market Overview
  - 8.5.4 Japan Market Overview
  - 8.5.5 South Korea Market Overview
  - 8.5.6 India Market Overview
  - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
  - 8.6.1 South America Heavy Duty Knife Gate Valve Sales by Country

- 8.6.2 South America Heavy Duty Knife Gate Valve Market Size by Country
- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
  - 8.7.1 Middle East and Africa Heavy Duty Knife Gate Valve Sales by Region
  - 8.7.2 Middle East and Africa Heavy Duty Knife Gate Valve Market Size by Region
  - 8.7.3 Saudi Arabia Market Overview
  - 8.7.4 UAE Market Overview
  - 8.7.5 Egypt Market Overview
  - 8.7.6 Nigeria Market Overview
  - 8.7.7 South Africa Market Overview

## **9 HEAVY DUTY KNIFE GATE VALVE MARKET PRODUCTION BY REGION**

- 9.1 Global Production of Heavy Duty Knife Gate Valve by Region(2020-2025)
- 9.2 Global Heavy Duty Knife Gate Valve Revenue Market Share by Region (2020-2025)
- 9.3 Global Heavy Duty Knife Gate Valve Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Heavy Duty Knife Gate Valve Production
  - 9.4.1 North America Heavy Duty Knife Gate Valve Production Growth Rate (2020-2025)
  - 9.4.2 North America Heavy Duty Knife Gate Valve Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Heavy Duty Knife Gate Valve Production
  - 9.5.1 Europe Heavy Duty Knife Gate Valve Production Growth Rate (2020-2025)
  - 9.5.2 Europe Heavy Duty Knife Gate Valve Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Heavy Duty Knife Gate Valve Production (2020-2025)
  - 9.6.1 Japan Heavy Duty Knife Gate Valve Production Growth Rate (2020-2025)
  - 9.6.2 Japan Heavy Duty Knife Gate Valve Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Heavy Duty Knife Gate Valve Production (2020-2025)
  - 9.7.1 China Heavy Duty Knife Gate Valve Production Growth Rate (2020-2025)
  - 9.7.2 China Heavy Duty Knife Gate Valve Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

## 10.1 WEIR

- 10.1.1 WEIR Basic Information
- 10.1.2 WEIR Heavy Duty Knife Gate Valve Product Overview
- 10.1.3 WEIR Heavy Duty Knife Gate Valve Product Market Performance
- 10.1.4 WEIR Business Overview
- 10.1.5 WEIR SWOT Analysis
- 10.1.6 WEIR Recent Developments

## 10.2 Townley

- 10.2.1 Townley Basic Information
- 10.2.2 Townley Heavy Duty Knife Gate Valve Product Overview
- 10.2.3 Townley Heavy Duty Knife Gate Valve Product Market Performance
- 10.2.4 Townley Business Overview
- 10.2.5 Townley SWOT Analysis
- 10.2.6 Townley Recent Developments

## 10.3 ORBINOX

- 10.3.1 ORBINOX Basic Information
- 10.3.2 ORBINOX Heavy Duty Knife Gate Valve Product Overview
- 10.3.3 ORBINOX Heavy Duty Knife Gate Valve Product Market Performance
- 10.3.4 ORBINOX Business Overview
- 10.3.5 ORBINOX SWOT Analysis
- 10.3.6 ORBINOX Recent Developments

## 10.4 Valmet

- 10.4.1 Valmet Basic Information
- 10.4.2 Valmet Heavy Duty Knife Gate Valve Product Overview
- 10.4.3 Valmet Heavy Duty Knife Gate Valve Product Market Performance
- 10.4.4 Valmet Business Overview
- 10.4.5 Valmet Recent Developments

## 10.5 DEZURIK

- 10.5.1 DEZURIK Basic Information
- 10.5.2 DEZURIK Heavy Duty Knife Gate Valve Product Overview
- 10.5.3 DEZURIK Heavy Duty Knife Gate Valve Product Market Performance
- 10.5.4 DEZURIK Business Overview
- 10.5.5 DEZURIK Recent Developments

## 10.6 CMO Valves

- 10.6.1 CMO Valves Basic Information
- 10.6.2 CMO Valves Heavy Duty Knife Gate Valve Product Overview
- 10.6.3 CMO Valves Heavy Duty Knife Gate Valve Product Market Performance
- 10.6.4 CMO Valves Business Overview
- 10.6.5 CMO Valves Recent Developments

## 10.7 AVK Group

10.7.1 AVK Group Basic Information

10.7.2 AVK Group Heavy Duty Knife Gate Valve Product Overview

10.7.3 AVK Group Heavy Duty Knife Gate Valve Product Market Performance

10.7.4 AVK Group Business Overview

10.7.5 AVK Group Recent Developments

## 10.8 Bray International

10.8.1 Bray International Basic Information

10.8.2 Bray International Heavy Duty Knife Gate Valve Product Overview

10.8.3 Bray International Heavy Duty Knife Gate Valve Product Market Performance

10.8.4 Bray International Business Overview

10.8.5 Bray International Recent Developments

## 10.9 ITT Industrial Process

10.9.1 ITT Industrial Process Basic Information

10.9.2 ITT Industrial Process Heavy Duty Knife Gate Valve Product Overview

10.9.3 ITT Industrial Process Heavy Duty Knife Gate Valve Product Market

Performance

10.9.4 ITT Industrial Process Business Overview

10.9.5 ITT Industrial Process Recent Developments

## 10.10 Emerson

10.10.1 Emerson Basic Information

10.10.2 Emerson Heavy Duty Knife Gate Valve Product Overview

10.10.3 Emerson Heavy Duty Knife Gate Valve Product Market Performance

10.10.4 Emerson Business Overview

10.10.5 Emerson Recent Developments

## 10.11 FLSmidth A/S

10.11.1 FLSmidth A/S Basic Information

10.11.2 FLSmidth A/S Heavy Duty Knife Gate Valve Product Overview

10.11.3 FLSmidth A/S Heavy Duty Knife Gate Valve Product Market Performance

10.11.4 FLSmidth A/S Business Overview

10.11.5 FLSmidth A/S Recent Developments

## 10.12 REDIX Industries

10.12.1 REDIX Industries Basic Information

10.12.2 REDIX Industries Heavy Duty Knife Gate Valve Product Overview

10.12.3 REDIX Industries Heavy Duty Knife Gate Valve Product Market Performance

10.12.4 REDIX Industries Business Overview

10.12.5 REDIX Industries Recent Developments

## 10.13 Red Valve

10.13.1 Red Valve Basic Information

- 10.13.2 Red Valve Heavy Duty Knife Gate Valve Product Overview
- 10.13.3 Red Valve Heavy Duty Knife Gate Valve Product Market Performance
- 10.13.4 Red Valve Business Overview
- 10.13.5 Red Valve Recent Developments

## **11 HEAVY DUTY KNIFE GATE VALVE MARKET FORECAST BY REGION**

- 11.1 Global Heavy Duty Knife Gate Valve Market Size Forecast
- 11.2 Global Heavy Duty Knife Gate Valve Market Forecast by Region
  - 11.2.1 North America Market Size Forecast by Country
  - 11.2.2 Europe Heavy Duty Knife Gate Valve Market Size Forecast by Country
  - 11.2.3 Asia Pacific Heavy Duty Knife Gate Valve Market Size Forecast by Region
  - 11.2.4 South America Heavy Duty Knife Gate Valve Market Size Forecast by Country
  - 11.2.5 Middle East and Africa Forecasted Sales of Heavy Duty Knife Gate Valve by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)**

- 12.1 Global Heavy Duty Knife Gate Valve Market Forecast by Type (2026-2035)
  - 12.1.1 Global Forecasted Sales of Heavy Duty Knife Gate Valve by Type (2026-2035)
  - 12.1.2 Global Heavy Duty Knife Gate Valve Market Size Forecast by Type (2026-2035)
  - 12.1.3 Global Forecasted Price of Heavy Duty Knife Gate Valve by Type (2026-2035)
- 12.2 Global Heavy Duty Knife Gate Valve Market Forecast by Application (2026-2035)
  - 12.2.1 Global Heavy Duty Knife Gate Valve Sales (K Units) Forecast by Application
  - 12.2.2 Global Heavy Duty Knife Gate Valve Market Size (M USD) Forecast by Application (2026-2035)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Heavy Duty Knife Gate Valve Market Size by Type (M USD)

Table 4. Global Heavy Duty Knife Gate Valve Market Size by Application

Table 5. Heavy Duty Knife Gate Valve Market Size Comparison by Region (M USD)

Table 6. Global Heavy Duty Knife Gate Valve Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Heavy Duty Knife Gate Valve Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Heavy Duty Knife Gate Valve Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Heavy Duty Knife Gate Valve Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Heavy Duty Knife Gate Valve as of 2025)

Table 11. Global Market Heavy Duty Knife Gate Valve Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Heavy Duty Knife Gate Valve Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Heavy Duty Knife Gate Valve Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Heavy Duty Knife Gate Valve Sales by Type (K Units)

Table 27. Global Heavy Duty Knife Gate Valve Market Size by Type (M USD)

Table 28. Global Heavy Duty Knife Gate Valve Sales (K Units) by Type (2020-2025)

Table 29. Global Heavy Duty Knife Gate Valve Sales Market Share by Type (2020-2025)

Table 30. Global Heavy Duty Knife Gate Valve Market Size (M USD) by Type (2020-2025)

Table 31. Global Heavy Duty Knife Gate Valve Market Share by Type (2020-2025)

Table 32. Global Heavy Duty Knife Gate Valve Price (USD/Unit) by Type (2020-2025)

Table 33. Global Heavy Duty Knife Gate Valve Sales (K Units) by Application

Table 34. Global Heavy Duty Knife Gate Valve Market Size by Application

Table 35. Global Heavy Duty Knife Gate Valve Sales by Application (2020-2025) & (K Units)

Table 36. Global Heavy Duty Knife Gate Valve Sales Market Share by Application (2020-2025)

Table 37. Global Heavy Duty Knife Gate Valve Market Size by Application (2020-2025) & (M USD)

Table 38. Global Heavy Duty Knife Gate Valve Market Share by Application (2020-2025)

Table 39. Global Heavy Duty Knife Gate Valve Sales Growth Rate by Application (2020-2025)

Table 40. Global Heavy Duty Knife Gate Valve Sales by Region (2020-2025) & (K Units)

Table 41. Global Heavy Duty Knife Gate Valve Sales Market Share by Region (2020-2025)

Table 42. Global Heavy Duty Knife Gate Valve Market Size by Region (2020-2025) & (M USD)

Table 43. Global Heavy Duty Knife Gate Valve Market Size by Region (2020-2025)

Table 44. North America Heavy Duty Knife Gate Valve Sales by Country (2020-2025) & (K Units)

Table 45. North America Heavy Duty Knife Gate Valve Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Heavy Duty Knife Gate Valve Sales by Country (2020-2025) & (K Units)

Table 47. Europe Heavy Duty Knife Gate Valve Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Heavy Duty Knife Gate Valve Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Heavy Duty Knife Gate Valve Market Size by Region (2020-2025) & (M USD)

Table 50. South America Heavy Duty Knife Gate Valve Sales by Country (2020-2025) & (K Units)

Table 51. South America Heavy Duty Knife Gate Valve Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Heavy Duty Knife Gate Valve Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Heavy Duty Knife Gate Valve Market Size by Region (2020-2025) & (M USD)

Table 54. Global Heavy Duty Knife Gate Valve Production (K Units) by Region(2020-2025)

Table 55. Global Heavy Duty Knife Gate Valve Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Heavy Duty Knife Gate Valve Revenue Market Share by Region (2020-2025)

Table 57. Global Heavy Duty Knife Gate Valve Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Heavy Duty Knife Gate Valve Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Heavy Duty Knife Gate Valve Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Heavy Duty Knife Gate Valve Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Heavy Duty Knife Gate Valve Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. WEIR Basic Information

Table 63. WEIR Heavy Duty Knife Gate Valve Product Overview

Table 64. WEIR Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. WEIR Business Overview

Table 66. WEIR SWOT Analysis

Table 67. WEIR Recent Developments

Table 68. Townley Basic Information

Table 69. Townley Heavy Duty Knife Gate Valve Product Overview

Table 70. Townley Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. Townley Business Overview

Table 72. Townley SWOT Analysis

Table 73. Townley Recent Developments

Table 74. ORBINOX Basic Information

Table 75. ORBINOX Heavy Duty Knife Gate Valve Product Overview

Table 76. ORBINOX Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD),

Price (USD/Unit) and Gross Margin (2020-2025)

Table 77. ORBINOX Business Overview

Table 78. ORBINOX SWOT Analysis

Table 79. ORBINOX Recent Developments

Table 80. Valmet Basic Information

Table 81. Valmet Heavy Duty Knife Gate Valve Product Overview

Table 82. Valmet Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 83. Valmet Business Overview

Table 84. Valmet Recent Developments

Table 85. DEZURIK Basic Information

Table 86. DEZURIK Heavy Duty Knife Gate Valve Product Overview

Table 87. DEZURIK Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. DEZURIK Business Overview

Table 89. DEZURIK Recent Developments

Table 90. CMO Valves Basic Information

Table 91. CMO Valves Heavy Duty Knife Gate Valve Product Overview

Table 92. CMO Valves Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 93. CMO Valves Business Overview

Table 94. CMO Valves Recent Developments

Table 95. AVK Group Basic Information

Table 96. AVK Group Heavy Duty Knife Gate Valve Product Overview

Table 97. AVK Group Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 98. AVK Group Business Overview

Table 99. AVK Group Recent Developments

Table 100. Bray International Basic Information

Table 101. Bray International Heavy Duty Knife Gate Valve Product Overview

Table 102. Bray International Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 103. Bray International Business Overview

Table 104. Bray International Recent Developments

Table 105. ITT Industrial Process Basic Information

Table 106. ITT Industrial Process Heavy Duty Knife Gate Valve Product Overview

Table 107. ITT Industrial Process Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 108. ITT Industrial Process Business Overview

- Table 109. ITT Industrial Process Recent Developments
- Table 110. Emerson Basic Information
- Table 111. Emerson Heavy Duty Knife Gate Valve Product Overview
- Table 112. Emerson Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 113. Emerson Business Overview
- Table 114. Emerson Recent Developments
- Table 115. FLSmidth A/S Basic Information
- Table 116. FLSmidth A/S Heavy Duty Knife Gate Valve Product Overview
- Table 117. FLSmidth A/S Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 118. FLSmidth A/S Business Overview
- Table 119. FLSmidth A/S Recent Developments
- Table 120. REDIX Industries Basic Information
- Table 121. REDIX Industries Heavy Duty Knife Gate Valve Product Overview
- Table 122. REDIX Industries Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 123. REDIX Industries Business Overview
- Table 124. REDIX Industries Recent Developments
- Table 125. Red Valve Basic Information
- Table 126. Red Valve Heavy Duty Knife Gate Valve Product Overview
- Table 127. Red Valve Heavy Duty Knife Gate Valve Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 128. Red Valve Business Overview
- Table 129. Red Valve Recent Developments
- Table 130. Global Heavy Duty Knife Gate Valve Sales Forecast by Region (2026-2035) & (K Units)
- Table 131. Global Heavy Duty Knife Gate Valve Market Size Forecast by Region (2026-2035) & (M USD)
- Table 132. North America Heavy Duty Knife Gate Valve Sales Forecast by Country (2026-2035) & (K Units)
- Table 133. North America Heavy Duty Knife Gate Valve Market Size Forecast by Country (2026-2035) & (M USD)
- Table 134. Europe Heavy Duty Knife Gate Valve Sales Forecast by Country (2026-2035) & (K Units)
- Table 135. Europe Heavy Duty Knife Gate Valve Market Size Forecast by Country (2026-2035) & (M USD)
- Table 136. Asia Pacific Heavy Duty Knife Gate Valve Sales Forecast by Region (2026-2035) & (K Units)

Table 137. Asia Pacific Heavy Duty Knife Gate Valve Market Size Forecast by Region (2026-2035) & (M USD)

Table 138. South America Heavy Duty Knife Gate Valve Sales Forecast by Country (2026-2035) & (K Units)

Table 139. South America Heavy Duty Knife Gate Valve Market Size Forecast by Country (2026-2035) & (M USD)

Table 140. Middle East and Africa Heavy Duty Knife Gate Valve Sales Forecast by Country (2026-2035) & (Units)

Table 141. Middle East and Africa Heavy Duty Knife Gate Valve Market Size Forecast by Country (2026-2035) & (M USD)

Table 142. Global Heavy Duty Knife Gate Valve Sales Forecast by Type (2026-2035) & (K Units)

Table 143. Global Heavy Duty Knife Gate Valve Market Size Forecast by Type (2026-2035) & (M USD)

Table 144. Global Heavy Duty Knife Gate Valve Price Forecast by Type (2026-2035) & (USD/Unit)

Table 145. Global Heavy Duty Knife Gate Valve Sales (K Units) Forecast by Application (2026-2035)

Table 146. Global Heavy Duty Knife Gate Valve Market Size Forecast by Application (2026-2035) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Heavy Duty Knife Gate Valve
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Heavy Duty Knife Gate Valve Market Size (M USD), 2025-2035
- Figure 5. Global Heavy Duty Knife Gate Valve Market Size (M USD) (2020-2035)
- Figure 6. Global Heavy Duty Knife Gate Valve Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Heavy Duty Knife Gate Valve Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Heavy Duty Knife Gate Valve Product Life Cycle
- Figure 13. Heavy Duty Knife Gate Valve Sales Share by Manufacturers in 2025
- Figure 14. Global Heavy Duty Knife Gate Valve Revenue Share by Manufacturers in 2025
- Figure 15. Heavy Duty Knife Gate Valve Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Heavy Duty Knife Gate Valve Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Heavy Duty Knife Gate Valve Revenue in 2025
- Figure 18. Industry Chain Map of Heavy Duty Knife Gate Valve
- Figure 19. Global Heavy Duty Knife Gate Valve Market PEST Analysis
- Figure 20. Global Heavy Duty Knife Gate Valve Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Heavy Duty Knife Gate Valve Market Share by Type
- Figure 27. Sales Market Share of Heavy Duty Knife Gate Valve by Type (2020-2025)
- Figure 28. Sales Market Share of Heavy Duty Knife Gate Valve by Type in 2025
- Figure 29. Market Share of Heavy Duty Knife Gate Valve by Type (2020-2025)
- Figure 30. Market Share of Heavy Duty Knife Gate Valve by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

- Figure 32. Global Heavy Duty Knife Gate Valve Market Share by Application
- Figure 33. Global Heavy Duty Knife Gate Valve Sales Market Share by Application (2020-2025)
- Figure 34. Global Heavy Duty Knife Gate Valve Sales Market Share by Application in 2025
- Figure 35. Global Heavy Duty Knife Gate Valve Market Share by Application (2020-2025)
- Figure 36. Global Heavy Duty Knife Gate Valve Market Share by Application in 2025
- Figure 37. Global Heavy Duty Knife Gate Valve Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Heavy Duty Knife Gate Valve Sales Market Share by Region (2020-2025)
- Figure 39. Global Heavy Duty Knife Gate Valve Market Size by Region (2020-2025)
- Figure 40. North America Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Heavy Duty Knife Gate Valve Sales Market Share by Country in 2024
- Figure 43. North America Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Heavy Duty Knife Gate Valve Market Size by Country in 2024
- Figure 45. U.S. Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Heavy Duty Knife Gate Valve Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada Heavy Duty Knife Gate Valve Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Heavy Duty Knife Gate Valve Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Heavy Duty Knife Gate Valve Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 52. Europe Heavy Duty Knife Gate Valve Sales Market Share by Country in 2024
- Figure 53. Europe Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Heavy Duty Knife Gate Valve Market Size by Country in 2024

Figure 55. Germany Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Heavy Duty Knife Gate Valve Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Heavy Duty Knife Gate Valve Sales Market Share by Region in 2024

Figure 67. Asia Pacific Heavy Duty Knife Gate Valve Market Size by Region in 2024

Figure 68. China Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

- Figure 75. India Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 76. Southeast Asia Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 77. Southeast Asia Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 78. South America Heavy Duty Knife Gate Valve Sales and Growth Rate (K Units)
- Figure 79. South America Heavy Duty Knife Gate Valve Sales Market Share by Country in 2024
- Figure 80. South America Heavy Duty Knife Gate Valve Market Size and Growth Rate (M USD)
- Figure 81. South America Heavy Duty Knife Gate Valve Market Size by Country in 2024
- Figure 82. Brazil Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 83. Brazil Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 84. Argentina Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 85. Argentina Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 86. Columbia Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 87. Columbia Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 88. Middle East and Africa Heavy Duty Knife Gate Valve Sales and Growth Rate (K Units)
- Figure 89. Middle East and Africa Heavy Duty Knife Gate Valve Sales Market Share by Region in 2024
- Figure 90. Middle East and Africa Heavy Duty Knife Gate Valve Market Size and Growth Rate (M USD)
- Figure 91. Middle East and Africa Heavy Duty Knife Gate Valve Market Size by Region in 2024
- Figure 92. Saudi Arabia Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 93. Saudi Arabia Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 94. UAE Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)

- Figure 95. UAE Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 96. Egypt Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 97. Egypt Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 98. Nigeria Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 99. Nigeria Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 100. South Africa Heavy Duty Knife Gate Valve Sales and Growth Rate (2020-2025) & (K Units)
- Figure 101. South Africa Heavy Duty Knife Gate Valve Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 102. Global Heavy Duty Knife Gate Valve Production Market Share by Region (2020-2025)
- Figure 103. North America Heavy Duty Knife Gate Valve Production (K Units) Growth Rate (2020-2025)
- Figure 104. Europe Heavy Duty Knife Gate Valve Production (K Units) Growth Rate (2020-2025)
- Figure 105. Japan Heavy Duty Knife Gate Valve Production (K Units) Growth Rate (2020-2025)
- Figure 106. China Heavy Duty Knife Gate Valve Production (K Units) Growth Rate (2020-2025)
- Figure 107. Global Heavy Duty Knife Gate Valve Sales Forecast by Volume (2020-2035) & (K Units)
- Figure 108. Global Heavy Duty Knife Gate Valve Market Size Forecast by Value (2020-2035) & (M USD)
- Figure 109. Global Heavy Duty Knife Gate Valve Sales Market Share Forecast by Type (2026-2035)
- Figure 110. Global Heavy Duty Knife Gate Valve Market Share Forecast by Type (2026-2035)
- Figure 111. Global Heavy Duty Knife Gate Valve Sales Forecast by Application (2026-2035)
- Figure 112. Global Heavy Duty Knife Gate Valve Market Share Forecast by Application (2026-2035)

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