



Global Automotive Swirl Control Valve Industry Growth and Trends Forecast to 2032

Industry	Published	Pages	Format
Automobile & Transportation	2026-01-05	74	PDF
Single User	Multi User	Enterprise	
USD 3,450	USD 5,175	USD 6,900	

Description

The global Automotive Swirl Control Valve market was valued at US\$ million in 2026 and is projected to reach US\$ million by 2032, implying a CAGR of xx% over 2026-2032.

The North America market for Automotive Swirl Control Valve is projected to increase from US\$ million in 2026 to US\$ million by 2032, corresponding to a CAGR of % over 2026-2032.

The Europe market for Automotive Swirl Control Valve is projected to increase from US\$ million in 2026 to US\$ million by 2032, registering a CAGR of % over 2026-2032.

The Asia Pacific market for Automotive Swirl Control Valve is projected to increase from US\$ million in 2026 to US\$ million by 2032, at a CAGR of % over 2026-2032.

Leading global manufacturers of Automotive Swirl Control Valve include MANN+HUMMEL (Germany), Aisan Industry (Japan) and Hitachi Automotive Systems (Japan), among others. In 2025, the top three vendors together accounted for approximately % of global revenue.

Report Scope

This report provides a structured, data-driven view of the global Automotive Swirl Control Valve market, combining harmonized quantitative metrics with targeted qualitative insight to support business and growth strategy, market positioning, and capital allocation.

The Automotive Swirl Control Valve market size, estimates, and forecasts are presented in terms of sales volume (k units) and revenue (US\$ million), with 2025 as the base year and historical and forecast data for 2021-2032. The report segments the global Automotive Swirl Control Valve market by Type, Application, region/country, and company, provides regional market sizes at the segment level, profiles the competitive landscape and key players and their market ranks, and reviews technology trends and new product developments relevant to Automotive Swirl Control Valve.

Key Companies & Market Share Insights

This section analyzes the strategies and performance of leading manufacturers in the global Automotive Swirl Control Valve market, including portfolio focus, innovation and product development, mergers and acquisitions, collaborations, and geographic expansion used to sustain or enhance competitive positions. It also summarizes recent corporate developments and key financial indicators and provides global revenue, price, and sales volume data by manufacturer for 2020-2025, enabling benchmarking of scale, pricing, and market share and supporting assessment of market concentration through indicators such as CR5 and CR10.

Automotive Swirl Control Valve Market by Company

MANN+HUMMEL (Germany)

Aisan Industry (Japan)

Automotive Swirl Control Valve Segment by Type

- Gray Cast Iron
- Nodular Cast Iron
- Carbon Steel
- Copper Alloy
- Others

Automotive Swirl Control Valve Segment by Application

- Passenger Cars
- Commercial Vehicles

Automotive Swirl Control Valve Segment by Region

- North America
 - United States
 - Canada
 - Mexico
- Europe
 - Germany
 - France
 - U.K.
 - Italy
 - Russia
 - Spain
 - Netherlands
 - Switzerland
 - Sweden
 - Poland
- Asia-Pacific
 - China
 - Japan
 - South Korea
 - India
 - Australia
 - Taiwan
 - Southeast Asia
- South America
 - Brazil
 - Argentina
 - Chile
- Middle East & Africa
 - Egypt
 - South Africa
 - Israel
 - Türkiye
 - GCC Countries

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Automotive Swirl Control Valve market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Automotive Swirl Control Valve and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Automotive Swirl Control Valve.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1:

Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 2:

Introduces the market dynamics, 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 3:

Detailed analysis of Automotive Swirl Control Valve manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4:

Sales, revenue of Automotive Swirl Control Valve in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5:

Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, South America, Middle East & Africa.

Chapter 6:

Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, South America, Middle East & Africa, sales and revenue by country.

Chapter 12:

Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13:

Concluding Insights of the report.

Table of Contents

1 Market Overview

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Automotive Swirl Control Valve Market Size Estimates and Forecasts (2021-2032)
 - 1.2.2 Global Automotive Swirl Control Valve Sales Estimates and Forecasts (2021-2032)
- 1.3 Automotive Swirl Control Valve Market by Type
 - 1.3.1 Gray Cast Iron
 - 1.3.2 Nodular Cast Iron
 - 1.3.3 Carbon Steel
 - 1.3.4 Copper Alloy
 - 1.3.5 Others
- 1.4 Global Automotive Swirl Control Valve Market Size by Type
 - 1.4.1 Global Automotive Swirl Control Valve Market Size Overview by Type (2021-2032)
 - 1.4.2 Global Automotive Swirl Control Valve Historic Market Size Review by Type (2021-2026)
 - 1.4.3 Global Automotive Swirl Control Valve Forecasted Market Size by Type (2027-2032)
- 1.5 Key Regions Market Size by Type
 - 1.5.1 North America Automotive Swirl Control Valve Sales Breakdown by Type (2021-2026)
 - 1.5.2 Europe Automotive Swirl Control Valve Sales Breakdown by Type (2021-2026)
 - 1.5.3 Asia-Pacific Automotive Swirl Control Valve Sales Breakdown by Type (2021-2026)
 - 1.5.4 South America Automotive Swirl Control Valve Sales Breakdown by Type (2021-2026)
 - 1.5.5 Middle East and Africa Automotive Swirl Control Valve Sales Breakdown by Type (2021-2026)

2 Global Market Dynamics

- 2.1 Automotive Swirl Control Valve Industry Trends
- 2.2 Automotive Swirl Control Valve Industry Drivers
- 2.3 Automotive Swirl Control Valve Industry Opportunities and Challenges
- 2.4 Automotive Swirl Control Valve Industry Restraints

3 Market Competitive Landscape by Company

- 3.1 Global Top Players by Automotive Swirl Control Valve Revenue (2021-2026)
- 3.2 Global Top Players by Automotive Swirl Control Valve Sales (2021-2026)
- 3.3 Global Top Players by Automotive Swirl Control Valve Price (2021-2026)
- 3.4 Global Automotive Swirl Control Valve Industry Company Ranking, 2024 VS 2025 VS 2026
- 3.5 Global Automotive Swirl Control Valve Major Company Production Sites & Headquarters
- 3.6 Global Automotive Swirl Control Valve Company, Product Type & Application
- 3.7 Global Automotive Swirl Control Valve Company Establishment Date
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Automotive Swirl Control Valve Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Automotive Swirl Control Valve Players Market Share by Revenue in 2025
 - 3.8.3 2025 Automotive Swirl Control Valve Tier 1, Tier 2, and Tier 3

4 Automotive Swirl Control Valve Regional Status and Outlook

- 4.1 Global Automotive Swirl Control Valve Market Size and CAGR by Region: 2021 VS 2025 VS 2032
- 4.2 Global Automotive Swirl Control Valve Historic Market Size by Region
 - 4.2.1 Global Automotive Swirl Control Valve Sales in Volume by Region (2021-2026)

- 4.2.2 Global Automotive Swirl Control Valve Sales in Value by Region (2021-2026)
 - 4.2.3 Global Automotive Swirl Control Valve Sales (Volume & Value), Price and Gross Margin (2021-2026)
- 4.3 Global Automotive Swirl Control Valve Forecasted Market Size by Region
 - 4.3.1 Global Automotive Swirl Control Valve Sales in Volume by Region (2027-2032)
 - 4.3.2 Global Automotive Swirl Control Valve Sales in Value by Region (2027-2032)
 - 4.3.3 Global Automotive Swirl Control Valve Sales (Volume & Value), Price and Gross Margin (2027-2032)

5 Automotive Swirl Control Valve by Application

- 5.1 Automotive Swirl Control Valve Market by Application
 - 5.1.1 Passenger Cars
 - 5.1.2 Commercial Vehicles
- 5.2 Global Automotive Swirl Control Valve Market Size by Application
 - 5.2.1 Global Automotive Swirl Control Valve Market Size Overview by Application (2021-2032)
 - 5.2.2 Global Automotive Swirl Control Valve Historic Market Size Review by Application (2021-2026)
 - 5.2.3 Global Automotive Swirl Control Valve Forecasted Market Size by Application (2027-2032)
- 5.3 Key Regions Market Size by Application
 - 5.3.1 North America Automotive Swirl Control Valve Sales Breakdown by Application (2021-2026)
 - 5.3.2 Europe Automotive Swirl Control Valve Sales Breakdown by Application (2021-2026)
 - 5.3.3 Asia-Pacific Automotive Swirl Control Valve Sales Breakdown by Application (2021-2026)
 - 5.3.4 South America Automotive Swirl Control Valve Sales Breakdown by Application (2021-2026)
 - 5.3.5 Middle East and Africa Automotive Swirl Control Valve Sales Breakdown by Application (2021-2026)

6 Company Profiles

- 6.1 MANN+HUMMEL (Germany)
 - 6.1.1 MANN+HUMMEL (Germany) Company Information
 - 6.1.2 MANN+HUMMEL (Germany) Business Overview
 - 6.1.3 MANN+HUMMEL (Germany) Automotive Swirl Control Valve Sales, Revenue and Gross Margin (2021-2026)
 - 6.1.4 MANN+HUMMEL (Germany) Automotive Swirl Control Valve Product Portfolio
 - 6.1.5 MANN+HUMMEL (Germany) Recent Developments
- 6.2 Aisan Industry (Japan)
 - 6.2.1 Aisan Industry (Japan) Company Information
 - 6.2.2 Aisan Industry (Japan) Business Overview
 - 6.2.3 Aisan Industry (Japan) Automotive Swirl Control Valve Sales, Revenue and Gross Margin (2021-2026)
 - 6.2.4 Aisan Industry (Japan) Automotive Swirl Control Valve Product Portfolio
 - 6.2.5 Aisan Industry (Japan) Recent Developments
- 6.3 Hitachi Automotive Systems (Japan)
 - 6.3.1 Hitachi Automotive Systems (Japan) Company Information
 - 6.3.2 Hitachi Automotive Systems (Japan) Business Overview
 - 6.3.3 Hitachi Automotive Systems (Japan) Automotive Swirl Control Valve Sales, Revenue and Gross Margin (2021-2026)
 - 6.3.4 Hitachi Automotive Systems (Japan) Automotive Swirl Control Valve Product Portfolio
 - 6.3.5 Hitachi Automotive Systems (Japan) Recent Developments

7 North America by Country

- 7.1 North America Automotive Swirl Control Valve Sales by Country
 - 7.1.1 North America Automotive Swirl Control Valve Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 7.1.2 North America Automotive Swirl Control Valve Sales by Country (2021-2026)
 - 7.1.3 North America Automotive Swirl Control Valve Sales Forecast by Country (2027-2032)
- 7.2 North America Automotive Swirl Control Valve Market Size by Country
 - 7.2.1 North America Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032

- 7.2.2 North America Automotive Swirl Control Valve Market Size by Country (2021-2026)
- 7.2.3 North America Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032)

8 Europe by Country

- 8.1 Europe Automotive Swirl Control Valve Sales by Country
 - 8.1.1 Europe Automotive Swirl Control Valve Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 8.1.2 Europe Automotive Swirl Control Valve Sales by Country (2021-2026)
 - 8.1.3 Europe Automotive Swirl Control Valve Sales Forecast by Country (2027-2032)
- 8.2 Europe Automotive Swirl Control Valve Market Size by Country
 - 8.2.1 Europe Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 8.2.2 Europe Automotive Swirl Control Valve Market Size by Country (2021-2026)
 - 8.2.3 Europe Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032)

9 Asia-Pacific by Country

- 9.1 Asia-Pacific Automotive Swirl Control Valve Sales by Country
 - 9.1.1 Asia-Pacific Automotive Swirl Control Valve Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 9.1.2 Asia-Pacific Automotive Swirl Control Valve Sales by Country (2021-2026)
 - 9.1.3 Asia-Pacific Automotive Swirl Control Valve Sales Forecast by Country (2027-2032)
- 9.2 Asia-Pacific Automotive Swirl Control Valve Market Size by Country
 - 9.2.1 Asia-Pacific Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 9.2.2 Asia-Pacific Automotive Swirl Control Valve Market Size by Country (2021-2026)
 - 9.2.3 Asia-Pacific Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032)

10 South America by Country

- 10.1 South America Automotive Swirl Control Valve Sales by Country
 - 10.1.1 South America Automotive Swirl Control Valve Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 10.1.2 South America Automotive Swirl Control Valve Sales by Country (2021-2026)
 - 10.1.3 South America Automotive Swirl Control Valve Sales Forecast by Country (2027-2032)
- 10.2 South America Automotive Swirl Control Valve Market Size by Country
 - 10.2.1 South America Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 10.2.2 South America Automotive Swirl Control Valve Market Size by Country (2021-2026)
 - 10.2.3 South America Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032)

11 Middle East and Africa by Country

- 11.1 Middle East and Africa Automotive Swirl Control Valve Sales by Country
 - 11.1.1 Middle East and Africa Automotive Swirl Control Valve Sales Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 11.1.2 Middle East and Africa Automotive Swirl Control Valve Sales by Country (2021-2026)
 - 11.1.3 Middle East and Africa Automotive Swirl Control Valve Sales Forecast by Country (2027-2032)
- 11.2 Middle East and Africa Automotive Swirl Control Valve Market Size by Country
 - 11.2.1 Middle East and Africa Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country: 2021 VS 2025 VS 2032
 - 11.2.2 Middle East and Africa Automotive Swirl Control Valve Market Size by Country (2021-2026)
 - 11.2.3 Middle East and Africa Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032)

12 Value Chain and Sales Channels Analysis

- 12.1 Automotive Swirl Control Valve Value Chain Analysis
 - 12.1.1 Automotive Swirl Control Valve Key Raw Materials
 - 12.1.2 Key Raw Materials Price
 - 12.1.3 Raw Materials Key Suppliers
 - 12.1.4 Manufacturing Cost Structure

12.1.5 Automotive Swirl Control Valve Production Mode & Process

12.2 Automotive Swirl Control Valve Sales Channels Analysis

12.2.1 Direct Comparison with Distribution Share

12.2.2 Automotive Swirl Control Valve Distributors

12.2.3 Automotive Swirl Control Valve Customers

13 Concluding Insights

14 Appendix

14.1 Reasons for Doing This Study

14.2 Research Methodology

14.3 Research Process

14.4 Authors List of This Report

14.5 Data Source

14.5.1 Secondary Sources

14.5.2 Primary Sources

14.6 Disclaimer

List of Tables and Figures

List of Tables:

- Table 1: Major Company of Gray Cast Iron
- Table 2: Major Company of Nodular Cast Iron
- Table 3: Major Company of Carbon Steel
- Table 4: Major Company of Copper Alloy
- Table 5: Major Company of Others
- Table 6: Global Automotive Swirl Control Valve Sales by Type (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 7: Global Automotive Swirl Control Valve Sales by Type (2021-2026) & (k units)
- Table 8: Global Automotive Swirl Control Valve Sales Market Share in Volume by Type (2021-2026)
- Table 9: Global Automotive Swirl Control Valve Sales by Type (2021-2026) & (US\$ Million)
- Table 10: Global Automotive Swirl Control Valve Sales Market Share in Value by Type (2021-2026)
- Table 11: Global Automotive Swirl Control Valve Price by Type (2021-2026) & (USD/unit)
- Table 12: Global Automotive Swirl Control Valve Sales by Type (2027-2032) & (k units)
- Table 13: Global Automotive Swirl Control Valve Sales Market Share in Volume by Type (2027-2032)
- Table 14: Global Automotive Swirl Control Valve Sales by Type (2027-2032) & (US\$ Million)
- Table 15: Global Automotive Swirl Control Valve Sales Market Share in Value by Type (2027-2032)
- Table 16: Global Automotive Swirl Control Valve Price by Type (2027-2032) & (USD/unit)
- Table 17: North America Automotive Swirl Control Valve Sales by Type (2021-2026) & (k units)
- Table 18: North America Automotive Swirl Control Valve Sales by Type (2021-2026) & (US\$ Million)
- Table 19: Europe Automotive Swirl Control Valve Sales by Type (2021-2026) & (k units)
- Table 20: Europe Automotive Swirl Control Valve Sales by Type (2021-2026) & (US\$ Million)
- Table 21: Asia-Pacific Automotive Swirl Control Valve Sales by Type (2021-2026) & (k units)
- Table 22: Asia-Pacific Automotive Swirl Control Valve Sales by Type (2021-2026) & (US\$ Million)
- Table 23: Latin America Automotive Swirl Control Valve Sales by Type (2021-2026) & (k units)
- Table 24: Latin America Automotive Swirl Control Valve Sales by Type (2021-2026) & (US\$ Million)
- Table 25: Middle East and Africa Automotive Swirl Control Valve Sales by Type (2021-2026) & (k units)
- Table 26: Middle East and Africa Automotive Swirl Control Valve Sales by Type (2021-2026) & (US\$ Million)
- Table 27: Automotive Swirl Control Valve Industry Trends
- Table 28: Automotive Swirl Control Valve Industry Drivers
- Table 29: Automotive Swirl Control Valve Industry Opportunities and Challenges
- Table 30: Automotive Swirl Control Valve Industry Restraints
- Table 31: Global Automotive Swirl Control Valve Sales Revenue by Company (US\$ Million) & (2021-2026)
- Table 32: Global Automotive Swirl Control Valve Revenue Market Share by Company (2021-2026)
- Table 33: Global Automotive Swirl Control Valve Sales by Company (2021-2026) & (k units)
- Table 34: Global Automotive Swirl Control Valve Sales Share by Company (2021-2026)
- Table 35: Global Automotive Swirl Control Valve Market Price by Company (2021-2026) & (USD/unit)
- Table 36: Global Automotive Swirl Control Valve Industry Company Ranking, 2024 VS 2025 VS 2026
- Table 37: Global Automotive Swirl Control Valve Major Company Production Sites and Headquarters
- Table 38: Global Automotive Swirl Control Valve Company, Product Type & Application
- Table 39: Global Automotive Swirl Control Valve Company Establishment Date
- Table 40: Global Company Market Concentration Ratio (CR5 and HHI)
- Table 41: Global Automotive Swirl Control Valve by Company Type (Tier 1, Tier 2, and Tier 3) & (Based on the Revenue of 2025)
- Table 42: Global Automotive Swirl Control Valve Market Size Comparison by Region (US\$ Million): 2021 VS 2025 VS 2032
- Table 43: Global Automotive Swirl Control Valve Sales by Region (2021-2026) & (k units)
- Table 44: Global Automotive Swirl Control Valve Sales Market Share in Volume by Region (2021-2026)
- Table 45: Global Automotive Swirl Control Valve Sales by Region (2021-2026) & (US\$ Million)
- Table 46: Global Automotive Swirl Control Valve Sales Market Share in Value by Region (2021-2026)
- Table 47: Global Automotive Swirl Control Valve Sales (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 48: Global Automotive Swirl Control Valve Sales by Region (2027-2032) & (k units)
- Table 49: Global Automotive Swirl Control Valve Sales Market Share in Volume by Region (2027-2032)
- Table 50: Global Automotive Swirl Control Valve Sales by Region (2027-2032) & (US\$ Million)
- Table 51: Global Automotive Swirl Control Valve Sales Market Share in Value by Region (2027-2032)
- Table 52: Global Automotive Swirl Control Valve Sales (k units), Value (US\$ Million), Price (USD/unit) and Gross Margin (2027-2032)

- Table 53: Global Automotive Swirl Control Valve Sales by Application (2021 VS 2025 VS 2032) & (US\$ Million)
- Table 54: Global Automotive Swirl Control Valve Sales by Application (2021-2026) & (k units)
- Table 55: Global Automotive Swirl Control Valve Sales Market Share in Volume by Application (2021-2026)
- Table 56: Global Automotive Swirl Control Valve Sales by Application (2021-2026) & (US\$ Million)
- Table 57: Global Automotive Swirl Control Valve Sales Market Share in Value by Application (2021-2026)
- Table 58: Global Automotive Swirl Control Valve Price by Application (2021-2026) & (USD/unit)
- Table 59: Global Automotive Swirl Control Valve Sales by Application (2027-2032) & (k units)
- Table 60: Global Automotive Swirl Control Valve Sales Market Share in Volume by Application (2027-2032)
- Table 61: Global Automotive Swirl Control Valve Sales by Application (2027-2032) & (US\$ Million)
- Table 62: Global Automotive Swirl Control Valve Sales Market Share in Value by Application (2027-2032)
- Table 63: Global Automotive Swirl Control Valve Price by Application (2027-2032) & (USD/unit)
- Table 64: North America Automotive Swirl Control Valve Sales by Application (2021-2026) & (k units)
- Table 65: North America Automotive Swirl Control Valve Sales by Application (2021-2026) & (US\$ Million)
- Table 66: Europe Automotive Swirl Control Valve Sales by Application (2021-2026) & (k units)
- Table 67: Europe Automotive Swirl Control Valve Sales by Application (2021-2026) & (US\$ Million)
- Table 68: Asia-Pacific Automotive Swirl Control Valve Sales by Application (2021-2026) & (k units)
- Table 69: Asia-Pacific Automotive Swirl Control Valve Sales by Application (2021-2026) & (US\$ Million)
- Table 70: Latin America Automotive Swirl Control Valve Sales by Application (2021-2026) & (k units)
- Table 71: Latin America Automotive Swirl Control Valve Sales by Application (2021-2026) & (US\$ Million)
- Table 72: Middle East and Africa Automotive Swirl Control Valve Sales by Application (2021-2026) & (k units)
- Table 73: Middle East and Africa Automotive Swirl Control Valve Sales by Application (2021-2026) & (US\$ Million)
- Table 74: MANN+HUMMEL (Germany) Company Information
- Table 75: MANN+HUMMEL (Germany) Business Overview
- Table 76: MANN+HUMMEL (Germany) Automotive Swirl Control Valve Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 77: MANN+HUMMEL (Germany) Automotive Swirl Control Valve Product Portfolio
- Table 78: MANN+HUMMEL (Germany) Recent Development
- Table 79: Aisan Industry (Japan) Company Information
- Table 80: Aisan Industry (Japan) Business Overview
- Table 81: Aisan Industry (Japan) Automotive Swirl Control Valve Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 82: Aisan Industry (Japan) Automotive Swirl Control Valve Product Portfolio
- Table 83: Aisan Industry (Japan) Recent Development
- Table 84: Hitachi Automotive Systems (Japan) Company Information
- Table 85: Hitachi Automotive Systems (Japan) Business Overview
- Table 86: Hitachi Automotive Systems (Japan) Automotive Swirl Control Valve Sales (k units), Revenue (US\$ Million), Price (USD/unit) and Gross Margin (2021-2026)
- Table 87: Hitachi Automotive Systems (Japan) Automotive Swirl Control Valve Product Portfolio
- Table 88: Hitachi Automotive Systems (Japan) Recent Development
- Table 89: North America Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 90: North America Automotive Swirl Control Valve Sales by Country (2021-2026) & (k units)
- Table 91: North America Automotive Swirl Control Valve Sales Market Share by Country (2021-2026)
- Table 92: North America Automotive Swirl Control Valve Sales Forecast by Country (2027-2032) & (k units)
- Table 93: North America Automotive Swirl Control Valve Sales Market Share Forecast by Country (2027-2032)
- Table 94: North America Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 95: North America Automotive Swirl Control Valve Market Size by Country (2021-2026) & (US\$ Million)
- Table 96: North America Automotive Swirl Control Valve Market Share by Country (2021-2026)
- Table 97: North America Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 98: North America Automotive Swirl Control Valve Market Share Forecast by Country (2027-2032)
- Table 99: Europe Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 100: Europe Automotive Swirl Control Valve Sales by Country (2021-2026) & (k units)
- Table 101: Europe Automotive Swirl Control Valve Sales Market Share by Country (2021-2026)
- Table 102: Europe Automotive Swirl Control Valve Sales Forecast by Country (2027-2032) & (k units)
- Table 103: Europe Automotive Swirl Control Valve Sales Market Share Forecast by Country (2027-2032)
- Table 104: Europe Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 105: Europe Automotive Swirl Control Valve Market Size by Country (2021-2026) & (US\$ Million)
- Table 106: Europe Automotive Swirl Control Valve Market Share by Country (2021-2026)
- Table 107: Europe Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 108: Europe Automotive Swirl Control Valve Market Share Forecast by Country (2027-2032)
- Table 109: Asia-Pacific Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032

- Table 110: Asia-Pacific Automotive Swirl Control Valve Sales by Country (2021-2026) & (k units)
- Table 111: Asia-Pacific Automotive Swirl Control Valve Sales Market Share by Country (2021-2026)
- Table 112: Asia-Pacific Automotive Swirl Control Valve Sales Forecast by Country (2027-2032) & (k units)
- Table 113: Asia-Pacific Automotive Swirl Control Valve Sales Market Share Forecast by Country (2027-2032)
- Table 114: Asia-Pacific Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 115: Asia-Pacific Automotive Swirl Control Valve Market Size by Country (2021-2026) & (US\$ Million)
- Table 116: Asia-Pacific Automotive Swirl Control Valve Market Share by Country (2021-2026)
- Table 117: Asia-Pacific Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 118: Asia-Pacific Automotive Swirl Control Valve Market Share Forecast by Country (2027-2032)
- Table 119: Latin America Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 120: Latin America Automotive Swirl Control Valve Sales by Country (2021-2026) & (k units)
- Table 121: Latin America Automotive Swirl Control Valve Sales Market Share by Country (2021-2026)
- Table 122: Latin America Automotive Swirl Control Valve Sales Forecast by Country (2027-2032) & (k units)
- Table 123: Latin America Automotive Swirl Control Valve Sales Market Share Forecast by Country (2027-2032)
- Table 124: Latin America Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 125: Latin America Automotive Swirl Control Valve Market Size by Country (2021-2026) & (US\$ Million)
- Table 126: Latin America Automotive Swirl Control Valve Market Share by Country (2021-2026)
- Table 127: Latin America Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 128: Latin America Automotive Swirl Control Valve Market Share Forecast by Country (2027-2032)
- Table 129: Middle East and Africa Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (k units): 2021 VS 2025 VS 2032
- Table 130: Middle East and Africa Automotive Swirl Control Valve Sales by Country (2021-2026) & (k units)
- Table 131: Middle East and Africa Automotive Swirl Control Valve Sales Market Share by Country (2021-2026)
- Table 132: Middle East and Africa Automotive Swirl Control Valve Sales Forecast by Country (2027-2032) & (k units)
- Table 133: Middle East and Africa Automotive Swirl Control Valve Sales Market Share Forecast by Country (2027-2032)
- Table 134: Middle East and Africa Automotive Swirl Control Valve Market Size Growth Rate (CAGR) by Country (US\$ Million): 2021 VS 2025 VS 2032
- Table 135: Middle East and Africa Automotive Swirl Control Valve Market Size by Country (2021-2026) & (US\$ Million)
- Table 136: Middle East and Africa Automotive Swirl Control Valve Market Share by Country (2021-2026)
- Table 137: Middle East and Africa Automotive Swirl Control Valve Market Size Forecast by Country (2027-2032) & (US\$ Million)
- Table 138: Middle East and Africa Automotive Swirl Control Valve Market Share Forecast by Country (2027-2032)
- Table 139: Key Raw Materials
- Table 140: Raw Materials Key Suppliers
- Table 141: Automotive Swirl Control Valve Distributors List
- Table 142: Automotive Swirl Control Valve Customers List
- Table 143: Research Programs/Design for This Report
- Table 144: Authors List of This Report
- Table 145: Secondary Sources
- Table 146: Primary Sources

List of Figures:

- Figure 1: Automotive Swirl Control Valve Image
- Figure 2: Global Automotive Swirl Control Valve Market Size (US\$ Million), 2021 VS 2025 VS 2032
- Figure 3: Global Automotive Swirl Control Valve Market Size (2021-2032) & (US\$ Million)
- Figure 4: Global Automotive Swirl Control Valve Sales (2021-2032) & (k units)
- Figure 5: Gray Cast Iron Image
- Figure 6: Global Gray Cast Iron Sales YoY Growth (2021-2032) & (k units)
- Figure 7: Nodular Cast Iron Image
- Figure 8: Global Nodular Cast Iron Sales YoY Growth (2021-2032) & (k units)
- Figure 9: Carbon Steel Image
- Figure 10: Global Carbon Steel Sales YoY Growth (2021-2032) & (k units)
- Figure 11: Copper Alloy Image
- Figure 12: Global Copper Alloy Sales YoY Growth (2021-2032) & (k units)
- Figure 13: Others Image
- Figure 14: Global Others Sales YoY Growth (2021-2032) & (k units)
- Figure 15: Global Automotive Swirl Control Valve Market Size Overview by Type (2021-2032) & (US\$ Million)
- Figure 16: Global Automotive Swirl Control Valve Market Share by Type 2025 VS 2032
- Figure 17: North America Automotive Swirl Control Valve Sales Market Share in Volume by Type in 2025
- Figure 18: North America Automotive Swirl Control Valve Sales Market Share in Value by Type in 2025

- Figure 19: Europe Automotive Swirl Control Valve Sales Market Share in Volume by Type in 2025
- Figure 20: Europe Automotive Swirl Control Valve Sales Market Share in Value by Type in 2025
- Figure 21: Asia-Pacific Automotive Swirl Control Valve Sales Market Share in Volume by Type in 2025
- Figure 22: Asia-Pacific Automotive Swirl Control Valve Sales Market Share in Value by Type in 2025
- Figure 23: Latin America Automotive Swirl Control Valve Sales Market Share in Volume by Type in 2025
- Figure 24: Latin America Automotive Swirl Control Valve Sales Market Share in Value by Type in 2025
- Figure 25: Middle East and Africa Automotive Swirl Control Valve Sales Market Share in Volume by Type in 2025
- Figure 26: Middle East and Africa Automotive Swirl Control Valve Sales Market Share in Value by Type in 2025
- Figure 27: Global Top 5 and 10 Automotive Swirl Control Valve Players Market Share by Revenue in 2025
- Figure 28: Company Type (Tier 1, Tier 2, and Tier 3): 2021 VS 2025
- Figure 29: Passenger Cars Image
- Figure 30: Global Passenger Cars Sales YoY Growth (2021-2032) & (k units)
- Figure 31: Commercial Vehicles Image
- Figure 32: Global Commercial Vehicles Sales YoY Growth (2021-2032) & (k units)
- Figure 33: Global Automotive Swirl Control Valve Market Size Overview by Application (2021-2032) & (US\$ Million)
- Figure 34: Global Automotive Swirl Control Valve Market Share by Application 2025 VS 2032
- Figure 35: North America Automotive Swirl Control Valve Sales Market Share in Volume by Application in 2025
- Figure 36: North America Automotive Swirl Control Valve Sales Market Share in Value by Application in 2025
- Figure 37: Europe Automotive Swirl Control Valve Sales Market Share in Volume by Application in 2025
- Figure 38: Europe Automotive Swirl Control Valve Sales Market Share in Value by Application in 2025
- Figure 39: Asia-Pacific Automotive Swirl Control Valve Sales Market Share in Volume by Application in 2025
- Figure 40: Asia-Pacific Automotive Swirl Control Valve Sales Market Share in Value by Application in 2025
- Figure 41: Latin America Automotive Swirl Control Valve Sales Market Share in Volume by Application in 2025
- Figure 42: Latin America Automotive Swirl Control Valve Sales Market Share in Value by Application in 2025
- Figure 43: Middle East and Africa Automotive Swirl Control Valve Sales Market Share in Volume by Application in 2025
- Figure 44: Middle East and Africa Automotive Swirl Control Valve Sales Market Share in Value by Application in 2025
- Figure 45: North America Automotive Swirl Control Valve Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 46: North America Automotive Swirl Control Valve Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 47: North America Automotive Swirl Control Valve Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 48: North America Automotive Swirl Control Valve Market Share by Country: 2021 VS 2025 VS 2032
- Figure 49: Europe Automotive Swirl Control Valve Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 50: Europe Automotive Swirl Control Valve Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 51: Europe Automotive Swirl Control Valve Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 52: Europe Automotive Swirl Control Valve Market Share by Country: 2021 VS 2025 VS 2032
- Figure 53: Asia-Pacific Automotive Swirl Control Valve Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 54: Asia-Pacific Automotive Swirl Control Valve Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 55: Asia-Pacific Automotive Swirl Control Valve Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 56: Asia-Pacific Automotive Swirl Control Valve Market Share by Country: 2021 VS 2025 VS 2032
- Figure 57: Latin America Automotive Swirl Control Valve Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 58: Latin America Automotive Swirl Control Valve Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 59: Latin America Automotive Swirl Control Valve Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 60: Latin America Automotive Swirl Control Valve Market Share by Country: 2021 VS 2025 VS 2032
- Figure 61: Middle East and Africa Automotive Swirl Control Valve Sales by Country: 2021 VS 2025 VS 2032 (k units)
- Figure 62: Middle East and Africa Automotive Swirl Control Valve Sales Share by Country: 2021 VS 2025 VS 2032
- Figure 63: Middle East and Africa Automotive Swirl Control Valve Market Size by Country: 2021 VS 2025 VS 2032 (US\$ Million)
- Figure 64: Middle East and Africa Automotive Swirl Control Valve Market Share by Country: 2021 VS 2025 VS 2032
- Figure 65: Automotive Swirl Control Valve Value Chain
- Figure 66: Key Raw Materials Price
- Figure 67: Manufacturing Cost Structure
- Figure 68: Automotive Swirl Control Valve Production Mode & Process
- Figure 69: Direct Comparison with Distribution Share
- Figure 70: Distributors Profiles
- Figure 71: Years Considered
- Figure 72: Research Process
- Figure 73: Key Executives Interviewed