

Global Air Flow Regulator Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Air Flow Regulator market size is expected to reach \$ 1720 million by 2032, rising at a market growth of 4.2% CAGR during the forecast period (2026-2032).

An air flow regulator is a pneumatic flow-control component used in compressed-air systems to regulate airflow through a needle valve, throttle orifice, check valve, manual knob or proportional control mechanism. It is mainly used to control the motion speed, stability and repeatability of cylinders, grippers, actuators, vacuum systems and automated equipment. In 2025, Global Air Flow Regulator sales are estimated at approximately 150 million units, with an average ex-works price of around 8.5 US\$/Unit. The air flow regulator value chain starts from brass, aluminum alloy, stainless steel, engineering plastics, seals, springs, needle valves, fittings and precision-machined parts, moves through design, machining, assembly and testing, and then serves industrial automation, packaging machinery, automotive manufacturing, electronics assembly, medical devices, food and beverage equipment, robotic grippers and general machinery.

Market growth is mainly driven by the continued expansion of industrial automation and the rising installed base of pneumatic actuators. Pneumatic systems remain widely used in packaging, electronics, automotive, food and beverage, medical equipment and general manufacturing because they are cost-effective, fast-response and easy to maintain. Air flow regulators directly affect cylinder speed, gripper smoothness, cycle-time stability and machine commissioning efficiency, making them high-consumption basic components in both new equipment and aftermarket replacement.

This report studies the global Air Flow Regulator production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Air Flow Regulator and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Air Flow Regulator that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Air Flow Regulator total production and demand, 2021-2032, (Million Units)

Global Air Flow Regulator total production value, 2021-2032, (USD Million)

Global Air Flow Regulator production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Million Units), (based on production site)

Global Air Flow Regulator consumption by region & country, CAGR, 2021-2032 & (Million Units)

U.S. VS China: Air Flow Regulator domestic production, consumption, key domestic manufacturers and share

Global Air Flow Regulator production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Million Units)

Global Air Flow Regulator production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

Global Air Flow Regulator production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Million Units)

This report profiles key players in the global Air Flow Regulator market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SMC Corporation, Festo, Parker Hannifin, IMI Norgren, Emerson AVENTICS, CKD Corporation, Koganei Corporation, Nihon Pisco, AirTAC International Group, Camozzi Automation, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Air Flow Regulator market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Million Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Air Flow Regulator Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Air Flow Regulator Market, Segmentation by Type:

Electronic Air Pressure Regulators

Mechanical Air Pressure Regulators

Global Air Flow Regulator Market, Segmentation by Installation Form:

In-Line Type

Elbow/Right-Angle Type

Global Air Flow Regulator Market, Segmentation by Material:

Brass Body

Stainless Steel Body

Aluminum Alloy Body

Engineering Plastic Body

Global Air Flow Regulator Market, Segmentation by Application:

Factory Automation

Automotive Manufacturing

Electronics and Semiconductor

Medical

Food and Beverage

Others

Companies Profiled:

SMC Corporation

Festo

Parker Hannifin

IMI Norgren

Emerson AVENTICS

CKD Corporation

Koganei Corporation

Nihon Pisco

AirTAC International Group

Camozzi Automation

Metal Work

Pneumax

Clippard Instrument Laboratory

Humphrey Products

ROSS Controls

Mindman Industrial

SNS Pneumati

Ningbo Jiaerling Pneumatic Machinery

Janatics

Ningbo Airkert Machinery

Key Questions Answered:

1. How big is the global Air Flow Regulator market?
2. What is the demand of the global Air Flow Regulator market?
3. What is the year over year growth of the global Air Flow Regulator market?
4. What is the production and production value of the global Air Flow Regulator market?
5. Who are the key producers in the global Air Flow Regulator market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Air Flow Regulator Introduction
- 1.2 World Air Flow Regulator Supply & Forecast
 - 1.2.1 World Air Flow Regulator Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Air Flow Regulator Production (2021-2032)
 - 1.2.3 World Air Flow Regulator Pricing Trends (2021-2032)
- 1.3 World Air Flow Regulator Production by Region (Based on Production Site)
 - 1.3.1 World Air Flow Regulator Production Value by Region (2021-2032)
 - 1.3.2 World Air Flow Regulator Production by Region (2021-2032)
 - 1.3.3 World Air Flow Regulator Average Price by Region (2021-2032)
 - 1.3.4 North America Air Flow Regulator Production (2021-2032)
 - 1.3.5 Europe Air Flow Regulator Production (2021-2032)
 - 1.3.6 China Air Flow Regulator Production (2021-2032)
 - 1.3.7 Japan Air Flow Regulator Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Air Flow Regulator Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Air Flow Regulator Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Air Flow Regulator Demand (2021-2032)
- 2.2 World Air Flow Regulator Consumption by Region
 - 2.2.1 World Air Flow Regulator Consumption by Region (2021-2026)
 - 2.2.2 World Air Flow Regulator Consumption Forecast by Region (2027-2032)
- 2.3 United States Air Flow Regulator Consumption (2021-2032)
- 2.4 China Air Flow Regulator Consumption (2021-2032)
- 2.5 Europe Air Flow Regulator Consumption (2021-2032)
- 2.6 Japan Air Flow Regulator Consumption (2021-2032)
- 2.7 South Korea Air Flow Regulator Consumption (2021-2032)
- 2.8 ASEAN Air Flow Regulator Consumption (2021-2032)
- 2.9 India Air Flow Regulator Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Air Flow Regulator Production Value by Manufacturer (2021-2026)

- 3.2 World Air Flow Regulator Production by Manufacturer (2021-2026)
- 3.3 World Air Flow Regulator Average Price by Manufacturer (2021-2026)
- 3.4 Air Flow Regulator Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Air Flow Regulator Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Air Flow Regulator in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Air Flow Regulator in 2025
- 3.6 Air Flow Regulator Market: Overall Company Footprint Analysis
 - 3.6.1 Air Flow Regulator Market: Region Footprint
 - 3.6.2 Air Flow Regulator Market: Company Product Type Footprint
 - 3.6.3 Air Flow Regulator Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Air Flow Regulator Production Value Comparison
 - 4.1.1 United States VS China: Air Flow Regulator Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Air Flow Regulator Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Air Flow Regulator Production Comparison
 - 4.2.1 United States VS China: Air Flow Regulator Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Air Flow Regulator Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Air Flow Regulator Consumption Comparison
 - 4.3.1 United States VS China: Air Flow Regulator Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Air Flow Regulator Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Air Flow Regulator Manufacturers and Market Share, 2021-2026
 - 4.4.1 United States Based Air Flow Regulator Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Air Flow Regulator Production Value (2021-2026)

4.4.3 United States Based Manufacturers Air Flow Regulator Production (2021-2026)

4.5 China Based Air Flow Regulator Manufacturers and Market Share

4.5.1 China Based Air Flow Regulator Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Air Flow Regulator Production Value (2021-2026)

4.5.3 China Based Manufacturers Air Flow Regulator Production (2021-2026)

4.6 Rest of World Based Air Flow Regulator Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Air Flow Regulator Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Air Flow Regulator Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Air Flow Regulator Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Air Flow Regulator Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Electronic Air Pressure Regulators

5.2.2 Mechanical Air Pressure Regulators

5.3 Market Segment by Type

5.3.1 World Air Flow Regulator Production by Type (2021-2032)

5.3.2 World Air Flow Regulator Production Value by Type (2021-2032)

5.3.3 World Air Flow Regulator Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY INSTALLATION FORM

6.1 World Air Flow Regulator Market Size Overview by Installation Form: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Installation Form

6.2.1 In-Line Type

6.2.2 Elbow/Right-Angle Type

6.3 Market Segment by Installation Form

6.3.1 World Air Flow Regulator Production by Installation Form (2021-2032)

6.3.2 World Air Flow Regulator Production Value by Installation Form (2021-2032)

6.3.3 World Air Flow Regulator Average Price by Installation Form (2021-2032)

7 MARKET ANALYSIS BY MATERIAL

7.1 World Air Flow Regulator Market Size Overview by Material: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Material

7.2.1 Brass Body

7.2.2 Stainless Steel Body

7.2.3 Aluminum Alloy Body

7.2.4 Engineering Plastic Body

7.3 Market Segment by Material

7.3.1 World Air Flow Regulator Production by Material (2021-2032)

7.3.2 World Air Flow Regulator Production Value by Material (2021-2032)

7.3.3 World Air Flow Regulator Average Price by Material (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Air Flow Regulator Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Factory Automation

8.2.2 Automotive Manufacturing

8.2.3 Electronics and Semiconductor

8.2.4 Medical

8.2.5 Food and Beverage

8.2.6 Others

8.3 Market Segment by Application

8.3.1 World Air Flow Regulator Production by Application (2021-2032)

8.3.2 World Air Flow Regulator Production Value by Application (2021-2032)

8.3.3 World Air Flow Regulator Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 SMC Corporation

9.1.1 SMC Corporation Details

9.1.2 SMC Corporation Major Business

9.1.3 SMC Corporation Air Flow Regulator Product and Services

9.1.4 SMC Corporation Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 SMC Corporation Recent Developments/Updates

9.1.6 SMC Corporation Competitive Strengths & Weaknesses

9.2 Festo

9.2.1 Festo Details

9.2.2 Festo Major Business

9.2.3 Festo Air Flow Regulator Product and Services

9.2.4 Festo Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 Festo Recent Developments/Updates

9.2.6 Festo Competitive Strengths & Weaknesses

9.3 Parker Hannifin

9.3.1 Parker Hannifin Details

9.3.2 Parker Hannifin Major Business

9.3.3 Parker Hannifin Air Flow Regulator Product and Services

9.3.4 Parker Hannifin Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Parker Hannifin Recent Developments/Updates

9.3.6 Parker Hannifin Competitive Strengths & Weaknesses

9.4 IMI Norgren

9.4.1 IMI Norgren Details

9.4.2 IMI Norgren Major Business

9.4.3 IMI Norgren Air Flow Regulator Product and Services

9.4.4 IMI Norgren Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 IMI Norgren Recent Developments/Updates

9.4.6 IMI Norgren Competitive Strengths & Weaknesses

9.5 Emerson AVENTICS

9.5.1 Emerson AVENTICS Details

9.5.2 Emerson AVENTICS Major Business

9.5.3 Emerson AVENTICS Air Flow Regulator Product and Services

9.5.4 Emerson AVENTICS Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Emerson AVENTICS Recent Developments/Updates

9.5.6 Emerson AVENTICS Competitive Strengths & Weaknesses

9.6 CKD Corporation

9.6.1 CKD Corporation Details

9.6.2 CKD Corporation Major Business

9.6.3 CKD Corporation Air Flow Regulator Product and Services

9.6.4 CKD Corporation Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 CKD Corporation Recent Developments/Updates

- 9.6.6 CKD Corporation Competitive Strengths & Weaknesses
- 9.7 Koganei Corporation
 - 9.7.1 Koganei Corporation Details
 - 9.7.2 Koganei Corporation Major Business
 - 9.7.3 Koganei Corporation Air Flow Regulator Product and Services
 - 9.7.4 Koganei Corporation Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.7.5 Koganei Corporation Recent Developments/Updates
 - 9.7.6 Koganei Corporation Competitive Strengths & Weaknesses
- 9.8 Nihon Pisco
 - 9.8.1 Nihon Pisco Details
 - 9.8.2 Nihon Pisco Major Business
 - 9.8.3 Nihon Pisco Air Flow Regulator Product and Services
 - 9.8.4 Nihon Pisco Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.8.5 Nihon Pisco Recent Developments/Updates
 - 9.8.6 Nihon Pisco Competitive Strengths & Weaknesses
- 9.9 AirTAC International Group
 - 9.9.1 AirTAC International Group Details
 - 9.9.2 AirTAC International Group Major Business
 - 9.9.3 AirTAC International Group Air Flow Regulator Product and Services
 - 9.9.4 AirTAC International Group Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.9.5 AirTAC International Group Recent Developments/Updates
 - 9.9.6 AirTAC International Group Competitive Strengths & Weaknesses
- 9.10 Camozzi Automation
 - 9.10.1 Camozzi Automation Details
 - 9.10.2 Camozzi Automation Major Business
 - 9.10.3 Camozzi Automation Air Flow Regulator Product and Services
 - 9.10.4 Camozzi Automation Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.10.5 Camozzi Automation Recent Developments/Updates
 - 9.10.6 Camozzi Automation Competitive Strengths & Weaknesses
- 9.11 Metal Work
 - 9.11.1 Metal Work Details
 - 9.11.2 Metal Work Major Business
 - 9.11.3 Metal Work Air Flow Regulator Product and Services
 - 9.11.4 Metal Work Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

- 9.11.5 Metal Work Recent Developments/Updates
- 9.11.6 Metal Work Competitive Strengths & Weaknesses
- 9.12 Pneumax
 - 9.12.1 Pneumax Details
 - 9.12.2 Pneumax Major Business
 - 9.12.3 Pneumax Air Flow Regulator Product and Services
 - 9.12.4 Pneumax Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.12.5 Pneumax Recent Developments/Updates
 - 9.12.6 Pneumax Competitive Strengths & Weaknesses
- 9.13 Clippard Instrument Laboratory
 - 9.13.1 Clippard Instrument Laboratory Details
 - 9.13.2 Clippard Instrument Laboratory Major Business
 - 9.13.3 Clippard Instrument Laboratory Air Flow Regulator Product and Services
 - 9.13.4 Clippard Instrument Laboratory Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.13.5 Clippard Instrument Laboratory Recent Developments/Updates
 - 9.13.6 Clippard Instrument Laboratory Competitive Strengths & Weaknesses
- 9.14 Humphrey Products
 - 9.14.1 Humphrey Products Details
 - 9.14.2 Humphrey Products Major Business
 - 9.14.3 Humphrey Products Air Flow Regulator Product and Services
 - 9.14.4 Humphrey Products Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Humphrey Products Recent Developments/Updates
 - 9.14.6 Humphrey Products Competitive Strengths & Weaknesses
- 9.15 ROSS Controls
 - 9.15.1 ROSS Controls Details
 - 9.15.2 ROSS Controls Major Business
 - 9.15.3 ROSS Controls Air Flow Regulator Product and Services
 - 9.15.4 ROSS Controls Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 ROSS Controls Recent Developments/Updates
 - 9.15.6 ROSS Controls Competitive Strengths & Weaknesses
- 9.16 Mindman Industrial
 - 9.16.1 Mindman Industrial Details
 - 9.16.2 Mindman Industrial Major Business
 - 9.16.3 Mindman Industrial Air Flow Regulator Product and Services
 - 9.16.4 Mindman Industrial Air Flow Regulator Production, Price, Value, Gross Margin

and Market Share (2021-2026)

9.16.5 Mindman Industrial Recent Developments/Updates

9.16.6 Mindman Industrial Competitive Strengths & Weaknesses

9.17 SNS Pneumati

9.17.1 SNS Pneumati Details

9.17.2 SNS Pneumati Major Business

9.17.3 SNS Pneumati Air Flow Regulator Product and Services

9.17.4 SNS Pneumati Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.17.5 SNS Pneumati Recent Developments/Updates

9.17.6 SNS Pneumati Competitive Strengths & Weaknesses

9.18 Ningbo Jiaerling Pneumatic Machinery

9.18.1 Ningbo Jiaerling Pneumatic Machinery Details

9.18.2 Ningbo Jiaerling Pneumatic Machinery Major Business

9.18.3 Ningbo Jiaerling Pneumatic Machinery Air Flow Regulator Product and Services

9.18.4 Ningbo Jiaerling Pneumatic Machinery Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.18.5 Ningbo Jiaerling Pneumatic Machinery Recent Developments/Updates

9.18.6 Ningbo Jiaerling Pneumatic Machinery Competitive Strengths & Weaknesses

9.19 Janatics

9.19.1 Janatics Details

9.19.2 Janatics Major Business

9.19.3 Janatics Air Flow Regulator Product and Services

9.19.4 Janatics Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.19.5 Janatics Recent Developments/Updates

9.19.6 Janatics Competitive Strengths & Weaknesses

9.20 Ningbo Airkert Machinery

9.20.1 Ningbo Airkert Machinery Details

9.20.2 Ningbo Airkert Machinery Major Business

9.20.3 Ningbo Airkert Machinery Air Flow Regulator Product and Services

9.20.4 Ningbo Airkert Machinery Air Flow Regulator Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.20.5 Ningbo Airkert Machinery Recent Developments/Updates

9.20.6 Ningbo Airkert Machinery Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Air Flow Regulator Industry Chain

10.2 Air Flow Regulator Upstream Analysis

10.2.1 Air Flow Regulator Core Raw Materials

10.2.2 Main Manufacturers of Air Flow Regulator Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Air Flow Regulator Production Mode

10.6 Air Flow Regulator Procurement Model

10.7 Air Flow Regulator Industry Sales Model and Sales Channels

10.7.1 Air Flow Regulator Sales Model

10.7.2 Air Flow Regulator Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Air Flow Regulator Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Air Flow Regulator Production Value by Region (2021-2026) & (USD Million)

Table 3. World Air Flow Regulator Production Value by Region (2027-2032) & (USD Million)

Table 4. World Air Flow Regulator Production Value Market Share by Region (2021-2026)

Table 5. World Air Flow Regulator Production Value Market Share by Region (2027-2032)

Table 6. World Air Flow Regulator Production by Region (2021-2026) & (Million Units)

Table 7. World Air Flow Regulator Production by Region (2027-2032) & (Million Units)

Table 8. World Air Flow Regulator Production Market Share by Region (2021-2026)

Table 9. World Air Flow Regulator Production Market Share by Region (2027-2032)

Table 10. World Air Flow Regulator Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Air Flow Regulator Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Air Flow Regulator Major Market Trends

Table 13. World Air Flow Regulator Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Million Units)

Table 14. World Air Flow Regulator Consumption by Region (2021-2026) & (Million Units)

Table 15. World Air Flow Regulator Consumption Forecast by Region (2027-2032) & (Million Units)

Table 16. World Air Flow Regulator Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Air Flow Regulator Producers in 2025

Table 18. World Air Flow Regulator Production by Manufacturer (2021-2026) & (Million Units)

Table 19. Production Market Share of Key Air Flow Regulator Producers in 2025

Table 20. World Air Flow Regulator Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Air Flow Regulator Company Evaluation Quadrant

Table 22. World Air Flow Regulator Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Air Flow Regulator Production Site of Key Manufacturer

Table 24. Air Flow Regulator Market: Company Product Type Footprint
Table 25. Air Flow Regulator Market: Company Product Application Footprint
Table 26. Air Flow Regulator Competitive Factors
Table 27. Air Flow Regulator New Entrant and Capacity Expansion Plans
Table 28. Air Flow Regulator Mergers & Acquisitions Activity
Table 29. United States VS China Air Flow Regulator Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China Air Flow Regulator Production Comparison, (2021 & 2025 & 2032) & (Million Units)
Table 31. United States VS China Air Flow Regulator Consumption Comparison, (2021 & 2025 & 2032) & (Million Units)
Table 32. United States Based Air Flow Regulator Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Air Flow Regulator Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers Air Flow Regulator Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers Air Flow Regulator Production (2021-2026) & (Million Units)
Table 36. United States Based Manufacturers Air Flow Regulator Production Market Share (2021-2026)
Table 37. China Based Air Flow Regulator Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Air Flow Regulator Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers Air Flow Regulator Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers Air Flow Regulator Production, (2021-2026) & (Million Units)
Table 41. China Based Manufacturers Air Flow Regulator Production Market Share (2021-2026)
Table 42. Rest of World Based Air Flow Regulator Manufacturers, Headquarters and Production Site (State, Country)
Table 43. Rest of World Based Manufacturers Air Flow Regulator Production Value, (2021-2026) & (USD Million)
Table 44. Rest of World Based Manufacturers Air Flow Regulator Production Value Market Share (2021-2026)
Table 45. Rest of World Based Manufacturers Air Flow Regulator Production, (2021-2026) & (Million Units)

Table 46. Rest of World Based Manufacturers Air Flow Regulator Production Market Share (2021-2026)

Table 47. World Air Flow Regulator Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Air Flow Regulator Production by Type (2021-2026) & (Million Units)

Table 49. World Air Flow Regulator Production by Type (2027-2032) & (Million Units)

Table 50. World Air Flow Regulator Production Value by Type (2021-2026) & (USD Million)

Table 51. World Air Flow Regulator Production Value by Type (2027-2032) & (USD Million)

Table 52. World Air Flow Regulator Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Air Flow Regulator Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Air Flow Regulator Production Value by Installation Form, (USD Million), 2021 & 2025 & 2032

Table 55. World Air Flow Regulator Production by Installation Form (2021-2026) & (Million Units)

Table 56. World Air Flow Regulator Production by Installation Form (2027-2032) & (Million Units)

Table 57. World Air Flow Regulator Production Value by Installation Form (2021-2026) & (USD Million)

Table 58. World Air Flow Regulator Production Value by Installation Form (2027-2032) & (USD Million)

Table 59. World Air Flow Regulator Average Price by Installation Form (2021-2026) & (US\$/Unit)

Table 60. World Air Flow Regulator Average Price by Installation Form (2027-2032) & (US\$/Unit)

Table 61. World Air Flow Regulator Production Value by Material, (USD Million), 2021 & 2025 & 2032

Table 62. World Air Flow Regulator Production by Material (2021-2026) & (Million Units)

Table 63. World Air Flow Regulator Production by Material (2027-2032) & (Million Units)

Table 64. World Air Flow Regulator Production Value by Material (2021-2026) & (USD Million)

Table 65. World Air Flow Regulator Production Value by Material (2027-2032) & (USD Million)

Table 66. World Air Flow Regulator Average Price by Material (2021-2026) & (US\$/Unit)

Table 67. World Air Flow Regulator Average Price by Material (2027-2032) & (US\$/Unit)

Table 68. World Air Flow Regulator Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Air Flow Regulator Production by Application (2021-2026) & (Million

Units)

Table 70. World Air Flow Regulator Production by Application (2027-2032) & (Million Units)

Table 71. World Air Flow Regulator Production Value by Application (2021-2026) & (USD Million)

Table 72. World Air Flow Regulator Production Value by Application (2027-2032) & (USD Million)

Table 73. World Air Flow Regulator Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Air Flow Regulator Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. SMC Corporation Basic Information, Manufacturing Base and Competitors

Table 76. SMC Corporation Major Business

Table 77. SMC Corporation Air Flow Regulator Product and Services

Table 78. SMC Corporation Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. SMC Corporation Recent Developments/Updates

Table 80. SMC Corporation Competitive Strengths & Weaknesses

Table 81. Festo Basic Information, Manufacturing Base and Competitors

Table 82. Festo Major Business

Table 83. Festo Air Flow Regulator Product and Services

Table 84. Festo Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Festo Recent Developments/Updates

Table 86. Festo Competitive Strengths & Weaknesses

Table 87. Parker Hannifin Basic Information, Manufacturing Base and Competitors

Table 88. Parker Hannifin Major Business

Table 89. Parker Hannifin Air Flow Regulator Product and Services

Table 90. Parker Hannifin Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Parker Hannifin Recent Developments/Updates

Table 92. Parker Hannifin Competitive Strengths & Weaknesses

Table 93. IMI Norgren Basic Information, Manufacturing Base and Competitors

Table 94. IMI Norgren Major Business

Table 95. IMI Norgren Air Flow Regulator Product and Services

Table 96. IMI Norgren Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. IMI Norgren Recent Developments/Updates
Table 98. IMI Norgren Competitive Strengths & Weaknesses
Table 99. Emerson AVENTICS Basic Information, Manufacturing Base and Competitors
Table 100. Emerson AVENTICS Major Business
Table 101. Emerson AVENTICS Air Flow Regulator Product and Services
Table 102. Emerson AVENTICS Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Emerson AVENTICS Recent Developments/Updates
Table 104. Emerson AVENTICS Competitive Strengths & Weaknesses
Table 105. CKD Corporation Basic Information, Manufacturing Base and Competitors
Table 106. CKD Corporation Major Business
Table 107. CKD Corporation Air Flow Regulator Product and Services
Table 108. CKD Corporation Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 109. CKD Corporation Recent Developments/Updates
Table 110. CKD Corporation Competitive Strengths & Weaknesses
Table 111. Koganei Corporation Basic Information, Manufacturing Base and Competitors
Table 112. Koganei Corporation Major Business
Table 113. Koganei Corporation Air Flow Regulator Product and Services
Table 114. Koganei Corporation Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Koganei Corporation Recent Developments/Updates
Table 116. Koganei Corporation Competitive Strengths & Weaknesses
Table 117. Nihon Pisco Basic Information, Manufacturing Base and Competitors
Table 118. Nihon Pisco Major Business
Table 119. Nihon Pisco Air Flow Regulator Product and Services
Table 120. Nihon Pisco Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Nihon Pisco Recent Developments/Updates
Table 122. Nihon Pisco Competitive Strengths & Weaknesses
Table 123. AirTAC International Group Basic Information, Manufacturing Base and Competitors
Table 124. AirTAC International Group Major Business
Table 125. AirTAC International Group Air Flow Regulator Product and Services
Table 126. AirTAC International Group Air Flow Regulator Production (Million Units),

Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. AirTAC International Group Recent Developments/Updates

Table 128. AirTAC International Group Competitive Strengths & Weaknesses

Table 129. Camozzi Automation Basic Information, Manufacturing Base and Competitors

Table 130. Camozzi Automation Major Business

Table 131. Camozzi Automation Air Flow Regulator Product and Services

Table 132. Camozzi Automation Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. Camozzi Automation Recent Developments/Updates

Table 134. Camozzi Automation Competitive Strengths & Weaknesses

Table 135. Metal Work Basic Information, Manufacturing Base and Competitors

Table 136. Metal Work Major Business

Table 137. Metal Work Air Flow Regulator Product and Services

Table 138. Metal Work Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Metal Work Recent Developments/Updates

Table 140. Metal Work Competitive Strengths & Weaknesses

Table 141. Pneumax Basic Information, Manufacturing Base and Competitors

Table 142. Pneumax Major Business

Table 143. Pneumax Air Flow Regulator Product and Services

Table 144. Pneumax Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Pneumax Recent Developments/Updates

Table 146. Pneumax Competitive Strengths & Weaknesses

Table 147. Clippard Instrument Laboratory Basic Information, Manufacturing Base and Competitors

Table 148. Clippard Instrument Laboratory Major Business

Table 149. Clippard Instrument Laboratory Air Flow Regulator Product and Services

Table 150. Clippard Instrument Laboratory Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Clippard Instrument Laboratory Recent Developments/Updates

Table 152. Clippard Instrument Laboratory Competitive Strengths & Weaknesses

Table 153. Humphrey Products Basic Information, Manufacturing Base and Competitors

Table 154. Humphrey Products Major Business

Table 155. Humphrey Products Air Flow Regulator Product and Services

Table 156. Humphrey Products Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Humphrey Products Recent Developments/Updates

Table 158. Humphrey Products Competitive Strengths & Weaknesses

Table 159. ROSS Controls Basic Information, Manufacturing Base and Competitors

Table 160. ROSS Controls Major Business

Table 161. ROSS Controls Air Flow Regulator Product and Services

Table 162. ROSS Controls Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. ROSS Controls Recent Developments/Updates

Table 164. ROSS Controls Competitive Strengths & Weaknesses

Table 165. Mindman Industrial Basic Information, Manufacturing Base and Competitors

Table 166. Mindman Industrial Major Business

Table 167. Mindman Industrial Air Flow Regulator Product and Services

Table 168. Mindman Industrial Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 169. Mindman Industrial Recent Developments/Updates

Table 170. Mindman Industrial Competitive Strengths & Weaknesses

Table 171. SNS Pneumati Basic Information, Manufacturing Base and Competitors

Table 172. SNS Pneumati Major Business

Table 173. SNS Pneumati Air Flow Regulator Product and Services

Table 174. SNS Pneumati Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 175. SNS Pneumati Recent Developments/Updates

Table 176. SNS Pneumati Competitive Strengths & Weaknesses

Table 177. Ningbo Jiaerling Pneumatic Machinery Basic Information, Manufacturing Base and Competitors

Table 178. Ningbo Jiaerling Pneumatic Machinery Major Business

Table 179. Ningbo Jiaerling Pneumatic Machinery Air Flow Regulator Product and Services

Table 180. Ningbo Jiaerling Pneumatic Machinery Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 181. Ningbo Jiaerling Pneumatic Machinery Recent Developments/Updates

Table 182. Ningbo Jiaerling Pneumatic Machinery Competitive Strengths &

Weaknesses

Table 183. Janatics Basic Information, Manufacturing Base and Competitors

Table 184. Janatics Major Business

Table 185. Janatics Air Flow Regulator Product and Services

Table 186. Janatics Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 187. Janatics Recent Developments/Updates

Table 188. Janatics Competitive Strengths & Weaknesses

Table 189. Ningbo Airkert Machinery Basic Information, Manufacturing Base and Competitors

Table 190. Ningbo Airkert Machinery Major Business

Table 191. Ningbo Airkert Machinery Air Flow Regulator Product and Services

Table 192. Ningbo Airkert Machinery Air Flow Regulator Production (Million Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Ningbo Airkert Machinery Recent Developments/Updates

Table 194. Ningbo Airkert Machinery Competitive Strengths & Weaknesses

Table 195. Global Key Players of Air Flow Regulator Upstream (Raw Materials)

Table 196. Global Air Flow Regulator Typical Customers

Table 197. Air Flow Regulator Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Air Flow Regulator Picture

Figure 2. World Air Flow Regulator Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Air Flow Regulator Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Air Flow Regulator Production (2021-2032) & (Million Units)

Figure 5. World Air Flow Regulator Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Air Flow Regulator Production Value Market Share by Region (2021-2032)

Figure 7. World Air Flow Regulator Production Market Share by Region (2021-2032)

Figure 8. North America Air Flow Regulator Production (2021-2032) & (Million Units)

Figure 9. Europe Air Flow Regulator Production (2021-2032) & (Million Units)

Figure 10. China Air Flow Regulator Production (2021-2032) & (Million Units)

Figure 11. Japan Air Flow Regulator Production (2021-2032) & (Million Units)

Figure 12. Air Flow Regulator Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 15. World Air Flow Regulator Consumption Market Share by Region (2021-2032)

Figure 16. United States Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 17. China Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 18. Europe Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 19. Japan Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 20. South Korea Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 21. ASEAN Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 22. India Air Flow Regulator Consumption (2021-2032) & (Million Units)

Figure 23. Producer Shipments of Air Flow Regulator by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Air Flow Regulator Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Air Flow Regulator Markets in 2025

Figure 26. United States VS China: Air Flow Regulator Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Air Flow Regulator Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Air Flow Regulator Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Air Flow Regulator Production Market Share 2025

Figure 30. China Based Manufacturers Air Flow Regulator Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Air Flow Regulator Production Market Share 2025

Figure 32. World Air Flow Regulator Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Air Flow Regulator Production Value Market Share by Type in 2025

Figure 34. Electronic Air Pressure Regulators

Figure 35. Mechanical Air Pressure Regulators

Figure 36. World Air Flow Regulator Production Market Share by Type (2021-2032)

Figure 37. World Air Flow Regulator Production Value Market Share by Type (2021-2032)

Figure 38. World Air Flow Regulator Average Price by Type (2021-2032) & (US\$/Unit)

Figure 39. World Air Flow Regulator Production Value by Installation Form, (USD Million), 2021 & 2025 & 2032

Figure 40. World Air Flow Regulator Production Value Market Share by Installation Form in 2025

Figure 41. In-Line Type

Figure 42. Elbow/Right-Angle Type

Figure 43. World Air Flow Regulator Production Market Share by Installation Form (2021-2032)

Figure 44. World Air Flow Regulator Production Value Market Share by Installation Form (2021-2032)

Figure 45. World Air Flow Regulator Average Price by Installation Form (2021-2032) & (US\$/Unit)

Figure 46. World Air Flow Regulator Production Value by Material, (USD Million), 2021 & 2025 & 2032

Figure 47. World Air Flow Regulator Production Value Market Share by Material in 2025

Figure 48. Brass Body

Figure 49. Stainless Steel Body

Figure 50. Aluminum Alloy Body

Figure 51. Engineering Plastic Body

Figure 52. World Air Flow Regulator Production Market Share by Material (2021-2032)

Figure 53. World Air Flow Regulator Production Value Market Share by Material (2021-2032)

Figure 54. World Air Flow Regulator Average Price by Material (2021-2032) & (US\$/Unit)

Figure 55. World Air Flow Regulator Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Air Flow Regulator Production Value Market Share by Application in 2025

Figure 57. Factory Automation

Figure 58. Automotive Manufacturing

Figure 59. Electronics and Semiconductor

Figure 60. Medical

Figure 61. Food and Beverage

Figure 62. Others

Figure 63. World Air Flow Regulator Production Market Share by Application (2021-2032)

Figure 64. World Air Flow Regulator Production Value Market Share by Application (2021-2032)

Figure 65. World Air Flow Regulator Average Price by Application (2021-2032) & (US\$/Unit)

Figure 66. Air Flow Regulator Industry Chain

Figure 67. Air Flow Regulator Procurement Model

Figure 68. Air Flow Regulator Sales Model

Figure 69. Air Flow Regulator Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

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