

Compressed Air Treatment Equipment Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global compressed air treatment equipment market size reached US\$ 8.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 12.3 Billion by 2028, exhibiting a growth rate (CAGR) of 5.4% during 2023-2028.

Compressed air treatment equipment is a mechanical device that is used to dehumidify and clean air before entering the compressor. It involves the use of particulate, moisture, coalescing, high-temperature after-filter, moisture separator, refrigerated, deliquescent, membrane and desiccant air dryer. The equipment assists in lowering the dew point of the air and removing particles that may negatively impact the air compressor. It is widely used in robotic arms, conveyor systems, paint sprays, nitrogen generation, jackhammers, drills and drying. Compressed air treatment equipment is compact, lightweight and assists in improving operations, maintaining productivity, and reducing rust and corrosion. Consequently, it finds extensive applications across food and beverage (F&B), aerospace, automotive, manufacturing, pharmaceuticals, power generation and medical industries.

Compressed Air Treatment Equipment Market Trends:

The increasing prevalence of various chronic diseases, such as cardiovascular diseases, especially amongst the rising geriatric population is creating a positive outlook for the market growth. Compressed air treatment equipment is widely used in respiratory support devices, including oxygen generators, atomizers, and life-support machines. Apart from this, the increasing demand for highly purified compressed air in the pharmaceutical industry for material handling, product drying, tablet coating and nitrogen generation is favoring the market growth. Moreover, rapid technological advancements, such as the introduction of environment-friendly compressors that

provide stability and ensure clean and dry air quality, are providing a considerable boost to the market growth. Additionally, the increasing product utilization in the F&B industry for air cleaning containers before product packaging and filling is positively impacting the market growth. Other factors, including rising industrialization, particularly in emerging economies, along with the increasing research and development (R&D) activities to launch novel air compressors, are anticipated to drive the market further toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global compressed air treatment equipment market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, application and end user.

Breakup by Product:

- Filters
- Dryers
- Aftercoolers
- Others

Breakup by Application:

- Plant Air
- Instrument Air
- Process Air
- Breathing Air
- Others

Breakup by End User:

- Chemical
- Paper
- Food and Beverage
- Pharmaceuticals
- Healthcare
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Airfilter Engineering, Alpha-Pure Corporation, Atlas Copco AB, BOGE KOMPRESSOREN Otto Boge GmbH & Co. KG, Donaldson Company Inc., Ingersoll Rand Inc., Kaeser Compressors Inc., Mann+Hummel, Mattei Compressors Inc., Parker-Hannifin Corporation, Pentair plc and Pneumatech.

Key Questions Answered in This Report:

How has the global compressed air treatment equipment market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global compressed air treatment equipment market?

What are the key regional markets?

- What is the breakup of the market based on the product?
- What is the breakup of the market based on the application?
- What is the breakup of the market based on the end user?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global compressed air treatment equipment market and who are the key players?
- What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL COMPRESSED AIR TREATMENT EQUIPMENT MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Filters
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Dryers
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Aftercoolers

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Plant Air
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Instrument Air
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Process Air
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Breathing Air
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY END USER

- 8.1 Chemical
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Paper
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Food and Beverage
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Pharmaceuticals
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Healthcare

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Others

8.6.1 Market Trends

8.6.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

9.2.2.2 Market Forecast

9.2.3 India

9.2.3.1 Market Trends

9.2.3.2 Market Forecast

9.2.4 South Korea

9.2.4.1 Market Trends

9.2.4.2 Market Forecast

9.2.5 Australia

9.2.5.1 Market Trends

9.2.5.2 Market Forecast

9.2.6 Indonesia

9.2.6.1 Market Trends

9.2.6.2 Market Forecast

9.2.7 Others

9.2.7.1 Market Trends

9.2.7.2 Market Forecast

9.3 Europe

9.3.1 Germany

- 9.3.1.1 Market Trends
- 9.3.1.2 Market Forecast
- 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
- 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
- 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 Airfilter Engineering

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.2 Alpha-Pure Corporation

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 Atlas Copco AB

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.3.3 Financials

14.3.3.4 SWOT Analysis

14.3.4 BOGE KOMPRESSOREN Otto Boge GmbH & Co. KG

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.5 Donaldson Company Inc.

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

- 14.3.5.3 Financials
- 14.3.5.4 SWOT Analysis
- 14.3.6 Ingersoll Rand Inc.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
- 14.3.7 Kaeser Compressors Inc.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Mann+Hummel
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Mattei Compressors Inc.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Parker-Hannifin Corporation
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Pentair plc
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
- 14.3.12 Pneumatech
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: Compressed Air Treatment Equipment Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Compressed Air Treatment Equipment Market Forecast: Breakup by Product (in Million US\$), 2023-2028

Table 3: Global: Compressed Air Treatment Equipment Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Compressed Air Treatment Equipment Market Forecast: Breakup by End User (in Million US\$), 2023-2028

Table 5: Global: Compressed Air Treatment Equipment Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Compressed Air Treatment Equipment Market: Competitive Structure

Table 7: Global: Compressed Air Treatment Equipment Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Compressed Air Treatment Equipment Market: Major Drivers and Challenges

Figure 2: Global: Compressed Air Treatment Equipment Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Compressed Air Treatment Equipment Market: Breakup by Product (in %), 2022

Figure 5: Global: Compressed Air Treatment Equipment Market: Breakup by Application (in %), 2022

Figure 6: Global: Compressed Air Treatment Equipment Market: Breakup by End User (in %), 2022

Figure 7: Global: Compressed Air Treatment Equipment Market: Breakup by Region (in %), 2022

Figure 8: Global: Compressed Air Treatment Equipment (Filters) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Compressed Air Treatment Equipment (Filters) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Compressed Air Treatment Equipment (Dryers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Compressed Air Treatment Equipment (Dryers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Compressed Air Treatment Equipment (Aftercoolers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Compressed Air Treatment Equipment (Aftercoolers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Compressed Air Treatment Equipment (Other Products) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Compressed Air Treatment Equipment (Other Products) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Compressed Air Treatment Equipment (Plant Air) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Compressed Air Treatment Equipment (Plant Air) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Compressed Air Treatment Equipment (Instrument Air) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 19: Global: Compressed Air Treatment Equipment (Instrument Air) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Compressed Air Treatment Equipment (Process Air) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 21: Global: Compressed Air Treatment Equipment (Process Air) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Compressed Air Treatment Equipment (Breathing Air) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 23: Global: Compressed Air Treatment Equipment (Breathing Air) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Compressed Air Treatment Equipment (Other Applications) Market:

Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Compressed Air Treatment Equipment (Other Applications) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Compressed Air Treatment Equipment (Chemical) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 27: Global: Compressed Air Treatment Equipment (Chemical) Market Forecast:

Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Compressed Air Treatment Equipment (Paper) Market: Sales Value

(in Million US\$), 2017 & 2022

Figure 29: Global: Compressed Air Treatment Equipment (Paper) Market Forecast:

Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Compressed Air Treatment Equipment (Food and Beverage) Market:

Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Compressed Air Treatment Equipment (Food and Beverage) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Compressed Air Treatment Equipment (Pharmaceuticals) Market:

Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: Compressed Air Treatment Equipment (Pharmaceuticals) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Compressed Air Treatment Equipment (Healthcare) Market: Sales

Value (in Million US\$), 2017 & 2022

Figure 35: Global: Compressed Air Treatment Equipment (Healthcare) Market Forecast:

Sales Value (in Million US\$), 2023-2028

Figure 36: Global: Compressed Air Treatment Equipment (Other End Users) Market:

Sales Value (in Million US\$), 2017 & 2022

Figure 37: Global: Compressed Air Treatment Equipment (Other End Users) Market

Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: North America: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: North America: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: United States: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: United States: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Canada: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Canada: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Asia-Pacific: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Asia-Pacific: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: China: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: China: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Japan: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Japan: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: India: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: India: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: South Korea: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: South Korea: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Australia: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Australia: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Indonesia: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Indonesia: Compressed Air Treatment Equipment Market Forecast: Sales

Value (in Million US\$), 2023-2028

Figure 58: Others: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Others: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Europe: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Europe: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Germany: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Germany: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: France: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: France: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: United Kingdom: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: United Kingdom: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Italy: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Italy: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Spain: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Spain: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Russia: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Russia: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Others: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Others: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Latin America: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Latin America: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Brazil: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Brazil: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Mexico: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 81: Mexico: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Others: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 83: Others: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Middle East and Africa: Compressed Air Treatment Equipment Market: Sales Value (in Million US\$), 2017 & 2022

Figure 85: Middle East and Africa: Compressed Air Treatment Equipment Market: Breakup by Country (in %), 2022

Figure 86: Middle East and Africa: Compressed Air Treatment Equipment Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 87: Global: Compressed Air Treatment Equipment Industry: SWOT Analysis

Figure 88: Global: Compressed Air Treatment Equipment Industry: Value Chain Analysis

Figure 89: Global: Compressed Air Treatment Equipment Industry: Porter's Five Forces Analysis

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