

Self-contained Breathing Apparatus Market Size, Share & Trends Analysis Report By Type (Open-circuit SCBA, Closed-circuit SCBA), By End-use (Fire Services, Oil & Gas), By Region, And Segment Forecasts, 2023 - 2030

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Abstracts

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Self-contained Breathing Apparatus Market Growth & Trends

The global self-contained breathing apparatus market size is anticipated to reach USD 3,832.25 million by 2030, expanding at 6.3% CAGR from 2023 to 2030, according to a new report by Grand View Research, Inc. It is anticipated that a rise in occupational injuries and a rise in the demand for high-utility protective equipment would drive up product demand. For instance, the International Labour Organization estimates that each year 160 million people suffer from work-related illnesses and there are over 340 million occupational accidents globally. The aforementioned factors will continue to fuel the market for self-contained breathing apparatus.

Sales of self-contained breathing apparatus are expected to increase in the coming years due to the expanding number of fire threats and the increased need for private firefighters. Firefighters provided by state and local governments are increasingly being supplemented by people employed in private companies.

For instance, wealthy Californians are paying private firefighters USD 3,000 per day to guard their properties according to recent newspaper reports. Moreover, insurance firms are frequently engaging or working with firefighting crews to provide consumers with mitigation services, which is anticipated to propel the expansion of the self-contained

breathing apparatus industry over the anticipated period.

The product demand is anticipated to be driven by strict safety regulations for asbestos mining and increased employee awareness of personal and respiratory safety across the major sectors. For instance, the Environmental Protection Agency (EPA) is taking severe measures to shield the general public from asbestos exposure. The strict regulation would prohibit all ongoing uses of chrysotile asbestos, including its manufacturing (including import), processing, distribution in commerce, and commercial use.

Additionally, several government agencies, including the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), have released guidelines for monitoring activities related to exposure to hazardous gases and particulates, which will increase product demand in the coming years.

Large-scale investments are expected to support the oil and gas industry's growth by maintaining current production levels and enhancing overall production efficiency. According to Global Energy Investment, oil & gas companies' spending outside of 'traditional' supply areas reached 5% of overall spending in 2022. Due to the labor-intensive nature of the oil and gas business, employment is expected to increase along with industry growth during the coming years.

The proper usage of SCBA will be made more widely known through various education and training initiatives connected to the use and maintenance of respiratory protection equipment, which is anticipated to boost market expansion.

For instance, The Joint Commission, the Centers for Disease Control and Prevention (CDC), the National Institute for Occupational Safety and Health (NIOSH), and the National Personal Protective Technology Laboratory (NPPTL) worked together to help hospitals implement their respiratory protection programs (RPPs). Also, over the projection period, the implementation of government regulations regarding safety issues is projected to encourage the usage of SCBA in the fire service sector.

Manufacturers are launching new products and engaging in mergers & acquisitions to broaden their geographic reach. For instance, MSA Safety Incorporated announced in July 2022 that the London Fire Brigade signed a USD 9 million contract to provide its firefighters with the company's M1 SCBA and telemetry technology.

Self-Contained Breathing Apparatus Market Report Highlights

The closed-circuit SCBA type segment dominated the market and accounted for 64.1% of the global revenue share in 2022. Closed-circuit products are used in the mining industry as they are suitable for applications where a breathing gas is required for a long duration

The open-circuit SCBA type segment is estimated to witness a CAGR of 5.8% over the forecast period. Open-circuit SCBAs are composed of light metals or carbon fiber-wrapped composites and are filled with filtered compressed air. Firefighters favor composite material cylinders because they are lower in weight, thus driving the demand

The oil & gas end-use segment is estimated to witness a CAGR of 7.8% over the forecast period. SCBAs help guard against particles, gases, and vapors. Also, OSHA mandates that industry workers such as supply workers are provided with reliable respiratory equipment including the SCBA. The proximity of supply workers to hazardous environments will spur market expansion during the forecast period

North America region dominated the market and accounted for 29.6% of the global revenue share in 2022. Expanding industries such as oil & gas, chemicals, and manufacturing are expected to increase product demand due to growing workforce capacities in this region

The industry focuses on implementing strategies such as product development, distribution network expansion, and portfolio expansion. For instance, in July 2021, Perspective Robotics AG and MSA Safety signed a cooperative development agreement. This agreement will improve the fire services they provide

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Research Methodology
- 1.3. Research Scope and Assumptions
- 1.4. Information Procurement
 - 1.4.1. Purchased Database
 - 1.4.2. GVR's Internal Database
 - 1.4.3. Secondary Sources & Third-Party Perspectives
 - 1.4.4. Primary Research
- 1.5. Information Analysis
 - 1.5.1. Data Analysis Models
- 1.6. Market Formulation & Data Visualization
- 1.7. Data Validation & Publishing

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segmental Outlook
- 2.3. Competitive Insights

CHAPTER 3. SELF-CONTAINED BREATHING APPARATUS MARKET VARIABLES, TRENDS, & SCOPE

- 3.1. Market Lineage Outlook
- 3.2. Penetration & Growth Prospect Mapping
- 3.3. Industry Value Chain Analysis
 - 3.3.1. Raw Material Outlook
 - 3.3.2. Manufacturing & Technology Trends
- 3.4. Regulatory Framework
- 3.5. Self-contained Breathing Apparatus Market - Market dynamics
 - 3.5.1. Market Driver Analysis
 - 3.5.2. Market Restraint Analysis
 - 3.5.3. Market Opportunity Analysis
- 3.6. Industry Analysis Tools: Self-contained Breathing Apparatus Market
 - 3.6.1. Porter's Analysis
 - 3.6.2. Macroeconomic Analysis

3.7. Economic Mega-Trend Analysis

CHAPTER 4. SELF-CONTAINED BREATHING APPARATUS MARKET: TYPE ESTIMATES & TREND ANALYSIS

4.1. Self-contained Breathing Apparatus Market: Type Outlook

4.2. Self-contained Breathing Apparatus Market: Type Movement Analysis, 2022 & 2030

4.3. Open-Circuit SCBA

4.3.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

4.4. Closed-Circuit SCBA

4.4.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

CHAPTER 5. SELF-CONTAINED BREATHING APPARATUS MARKET: END-USE ESTIMATES & TREND ANALYSIS

5.1. Self-contained Breathing Apparatus Market: End-use Outlook

5.2. Self-contained Breathing Apparatus Market: End-use Movement Analysis, 2022 & 2030

5.3. Fire Services

5.3.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

5.4. Oil & Gas

5.4.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

5.5. Mining

5.5.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

5.6. Chemical/Petrochemical

5.6.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

5.7. Industrial

5.7.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

5.8. Law Enforcement, Military and Navy

5.8.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

5.9. Others

5.9.1. Market estimates and forecasts, 2018 - 2030 (USD Million)

CHAPTER 6. SELF-CONTAINED BREATHING APPARATUS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

6.1. Regional Movement Analysis & Market Share, 2022 & 2030

6.2. North America

- 6.2.1. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.2.2. U.S.
 - 6.2.2.1. Macroeconomic Outlook
 - 6.2.2.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.2.3. Canada
 - 6.2.3.1. Macroeconomic Outlook
 - 6.2.3.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.2.4. Mexico
 - 6.2.4.1. Macroeconomic Outlook
 - 6.2.4.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.3. Europe
 - 6.3.1. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.3.2. France
 - 6.3.2.1. Macroeconomic Outlook
 - 6.3.2.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.3.3. Germany
 - 6.3.3.1. Macroeconomic Outlook
 - 6.3.3.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.3.4. Italy
 - 6.3.4.1. Macroeconomic Outlook
 - 6.3.4.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.3.5. Spain
 - 6.3.5.1. Macroeconomic Outlook
 - 6.3.5.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.4. Asia Pacific
 - 6.4.1. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.4.2. China
 - 6.4.2.1. Macroeconomic Outlook
 - 6.4.2.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.4.3. India
 - 6.4.3.1. Macroeconomic Outlook
 - 6.4.3.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.4.4. Japan
 - 6.4.4.1. Macroeconomic Outlook
 - 6.4.4.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.4.5. South Korea
 - 6.4.5.1. Macroeconomic Outlook
 - 6.4.5.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.5. Central & South America

- 6.5.1. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.5.2. Brazil
 - 6.5.2.1. Macroeconomic Outlook
 - 6.5.2.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.5.3. Argentina
 - 6.5.3.1. Macroeconomic Outlook
 - 6.5.3.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
- 6.6. Middle East & Africa
 - 6.6.1. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.6.2. UAE
 - 6.6.2.1. Macroeconomic Outlook
 - 6.6.2.2. Market estimates and forecasts, 2018 - 2030 (USD Million)
 - 6.6.3. Saudi Arabia
 - 6.6.3.1. Macroeconomic Outlook
 - 6.6.3.2. Market estimates and forecasts, 2018 - 2030 (USD Million)

CHAPTER 7. SELF-CONTAINED BREATHING APPARATUS MARKET: COMPETITIVE ANALYSIS

- 7.1. Recent Developments & Impact Analysis, By Key Market Participants
- 7.2. Company Categorization
- 7.3. Participant's Overview
- 7.4. Financial Overview
- 7.5. Product Benchmarking
- 7.6. Company Market Positioning
- 7.7. Company Market Share Analysis
- 7.8. Company Heat Map Analysis
- 7.9. Strategy Mapping

CHAPTER 8. COMPANY PROFILES

- 8.1. 3M
- 8.2. MSA
- 8.3. Drägerwerk AG & Co. KGaA
- 8.4. Avon Protection
- 8.5. Honeywell International Inc.
- 8.6. Interspiro
- 8.7. Worthington Industries
- 8.8. Axiom Manufacturing

- 8.9. Afex Fire & Safety
- 8.10. MATISEC
- 8.11. SHIGEMATSU WORKS CO.LTD.
- 8.12. KOKEN LTD.
- 8.13. Cam Lock Ltd
- 8.14. Sure Safety
- 8.15. Shanghai Fangzhan Fire Technology Co., Ltd.
- 8.16. Bullard Limited

List Of Tables

LIST OF TABLES

1. List of Abbreviations
2. List of key regulations/standards/guidelines
3. Self-contained Breathing Apparatus market estimates and forecasts, by type, 2018 - 2030 (USD Million)
4. Self-contained Breathing Apparatus market estimates and forecasts, by end-use, 2018 - 2030 (USD Million)
5. U.S. Macroeconomic Outlook
6. Canada Macroeconomic Outlook
7. Mexico Macroeconomic Outlook
8. France Macroeconomic Outlook
9. Germany Macroeconomic Outlook
10. Italy Macroeconomic Outlook
11. Spain Macroeconomic Outlook
12. China Macroeconomic Outlook
13. India Macroeconomic Outlook
14. Japan Macroeconomic Outlook
15. Brazil Macroeconomic Outlook
16. Argentina Macroeconomic Outlook
17. UAE Macroeconomic Outlook
18. Saudi Arabia Macroeconomic Outlook
19. Recent Developments & Impact Analysis, By Key Market Participants
20. Company Market Share, 2022
21. Company Heat Map Analysis, 2022
22. Key Companies undergoing expansion
23. Key Companies involved in mergers & acquisition

List Of Figures

LIST OF FIGURES

- Fig. 1. Market Segmentation & Scope
- Fig. 2. Information Procurement
- Fig. 3. Data Analysis Models
- Fig. 4. Market Formulation And Validation
- Fig. 5. Data Validating & Publishing
- Fig. 6. Market Snapshot
- Fig. 7. Segment Snapshot
- Fig. 8. Competitive Landscape Snapshot
- Fig. 9. Penetration and Growth Prospect Mapping
- Fig. 10. Value Chain Analysis
- Fig. 11. Market Dynamics
- Fig. 12. Self-contained Breathing Apparatus Market Porter's Analysis
- Fig. 13. Self-contained Breathing Apparatus Market Pestel Analysis
- Fig. 14. Self-contained Breathing Apparatus Market, By Type: Key Takeaways
- Fig. 15. Self-contained Breathing Apparatus Market: Type Movement Analysis & Market Share, 2022 & 2030
- Fig. 16. Open-Circuit SCBA market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 17. Closed-Circuit SCBA market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 18. Self-contained Breathing Apparatus Market, By End-use: Key Takeaways
- Fig. 19. Self-contained Breathing Apparatus Market: End-use Movement Analysis & Market Share, 2022 & 2030
- Fig. 20. Fire services market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 21. Oil & Gas market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 22. Mining market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 23. Chemical/Petrochemical market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 24. Industrial market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 25. Law Enforcement, Military, and Navy market estimates & forecasts, 2018 - 2030 (USD Million)
- Fig. 26. Others market estimates & forecasts, 2018 - 2030 (USD Million)

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