

Breathing Circuits Market Study Explores Industry Growth Toward \$3.23 Billion

The Business Research Company's Breathing Circuits Market Report 2026 – Market Size, Trends, And Global Forecast 2026-2035

LONDON, GREATER LONDON, UNITED KINGDOM, July 29, 2026

/EINPresswire.com/ -- "The [breathing circuits market](#) has shown remarkable

growth in recent years, driven by advancements in healthcare and increasing demand for respiratory support devices. As medical technologies evolve and the need for effective respiratory care rises, this market is set to experience continued expansion. Let's explore the current market size, key growth factors, regional trends, and what lies ahead for this essential segment of medical equipment.

The logo for The Business Research Company, featuring the company name in a serif font and a stylized bar chart graphic to the right with three bars of increasing height, the last one being green.

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Steady Growth Forecast for the Breathing Circuits Market

The breathing circuits market has expanded significantly, with its value projected to increase from \$2.29 billion in 2025 to \$2.45 billion in 2026, reflecting a compound annual growth rate (CAGR) of 7.3%. This historical growth is largely linked to a rise in surgical procedures, the growth of critical care units, increasing demand for anesthesia equipment, greater emphasis on hospital infection control, and the expanding use of ventilators.

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Anticipated Market Expansion Through 2030

Looking ahead, the breathing circuits market is expected to continue its strong upward trajectory, reaching \$3.23 billion by 2030 with a CAGR of 7.2%. Factors contributing to this growth include the increased adoption of single-use devices, innovations driven by sustainability goals in materials, rising numbers of ICU admissions, growing demand for emergency respiratory care, and ongoing efforts to optimize anesthesia workflows. Key trends shaping this future growth involve disposable circuits designed for infection control, low-flow anesthesia systems, enhanced patient safety features, lightweight circuit components, and improvements in gas delivery

efficiency.

Understanding Breathing Circuits and Their Applications

Breathing circuits are specialized medical devices used to deliver and regulate airflow to patients who need respiratory support. They ensure precise administration of gases such as oxygen or anesthetic agents. These circuits are vital in various clinical settings, including mechanical ventilation, anesthesia administration, and emergency respiratory care, helping patients who cannot breathe independently maintain adequate respiratory function.

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Rising Respiratory Disease Rates as a Market Catalyst

A significant factor driving the growth of the breathing circuits market is the increasing prevalence of respiratory diseases worldwide. These conditions affect the lungs and respiratory system, making breathing difficult. The surge in respiratory illnesses is primarily caused by growing air pollution, smoking habits, indoor air quality issues, and occupational risks. Breathing circuits play a crucial role in managing these diseases by delivering controlled airflow and oxygen, supporting ventilation, and enabling anesthesia for patients with compromised lung function. For instance, a December 2023 study published by JAMA Network Open, affiliated with the American Medical Association, projected that chronic obstructive pulmonary disease (COPD) cases could reach nearly 600 million globally by 2050—a 23% increase. Notably, female cases are expected to rise by 47.1%, while male cases may increase by 9.4%. The majority of these cases will occur in low- and middle-income regions where prevalence rates are anticipated to more than double those in high-income areas by 2050. This growing disease burden is a key driver boosting demand for breathing circuits.

Additional Factors Supporting Market Growth

Besides respiratory diseases, other factors contribute to the breathing circuits market expansion. Increasing use of ventilators in critical care, rising numbers of surgeries requiring anesthesia, and heightened focus on infection control within healthcare facilities all support greater demand. Furthermore, technological advancements aimed at improving patient safety and comfort are fueling innovation and adoption in this market sector.

Regional [Overview of the Breathing Circuits Market](#)

In 2025, North America held the largest market share for breathing circuits, reflecting its advanced healthcare infrastructure and high adoption rate of medical technologies. The market analysis covers various global regions, including Asia-Pacific, South East Asia, Western Europe, Eastern Europe, South America, the Middle East, and Africa, providing a comprehensive view of regional dynamics and growth opportunities within the breathing circuits industry.

Our 2026 reports feature deeper market intelligence with market attractiveness scoring and

analysis, total addressable market (TAM) analysis, company scoring matrix graphics and tables, Excel-based forecasting dashboards, market hotspots infographics, key technologies and future trend analysis, and updated graphics and tables.

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