

North America Respiratory Protective Equipment (RPE) Market Size, Share & Trends Analysis Report By Product (Air-purifying, Supplied Air), By End-use (Oil & Gas, Fire services), By Country, And Segment Forecasts, 2025 - 2030

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Abstracts

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North America Respiratory Protective Equipment (RPE) Market Growth & Trends

The North America respiratory protective equipment (RPE) market size is expected to reach USD 7.28 billion by 2030, according to a new report by Grand View Research, Inc. It is anticipated to register a CAGR of 8.1% from 2025 to 2030. The industry is anticipated to witness growth owing to the stringent regulations and guidelines for employee safety, by various regulatory bodies such as Occupational Safety and Health Administration (OSHA) and Centers for Disease Control and Prevention (CDC).

Increasing incidence of occupational illness and deaths in industries coupled with rapid outbreak of diseases urge various health regulatory bodies to adopt necessary measures for preventing further occurrences. The penetration of RPE for protecting employees against vapors, inhaling hazardous gases, chemical agents, particulates, radiological particles, and biological contaminants is projected to drive the product demand.

Growing importance of raw materials offering features, such as lightweight, comfort, higher heat resistance, and low breathing resistance has been a significant incentive for companies to conduct extensive R&D. These initiatives are primarily aimed at achieving the multi-functionality of protective clothing by adding innovative add-ons to the existing equipment.

Technological advancements and growing concerns about employee health and safety are anticipated to provide lucrative opportunities for market participants over the next few years. Product innovation for enhancing the shelf-life of respiratory protective equipment is further estimated to positively drive the North America Respiratory Protective Equipment (RPE) market over the projected period.

North America Respiratory Protective Equipment (RPE) Market Report Highlights

Air purifying respirators (APRs) led the market and accounted for the largest revenue share of 66.7% in 2024. This growth is attributed to increasing awareness of workplace safety and stringent regulatory requirements.

The oil and gas sector dominated the market and accounted for the largest revenue share of 18.3% in 2024, owing to stringent safety regulations and the need for enhanced worker protection in hazardous environments.

The respiratory protective equipment (RPE) market in the U.S. dominated the North American market and accounted for the largest revenue share of 81.0% in 2024.

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