

Aircraft Refueling Hose Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 - 2032

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Report description:

The Global Aircraft Refueling Hose Market was valued at USD 2.3 billion in 2023 and is projected to grow at a 4.6% CAGR from 2024 to 2032. This growth is primarily driven by the expanding aviation sector. With the continued rise in both passenger and cargo flights, the demand for reliable refueling solutions is increasing. The International Air Transport Association (IATA) forecasts global air passenger traffic to reach 8.2 billion by 2037, highlighting the need for efficient refueling infrastructure to support expanding airline fleets. Additionally, the growth of low-cost carriers, improved global connectivity, and the development of airport infrastructure are all contributing to the increased demand for aircraft refueling hoses.

The Federal Aviation Administration (FAA) also expects a steady rise in air traffic, further amplifying the need for safe and efficient refueling solutions. In terms of material, the market is segmented into thermoplastic, rubber, stainless steel, composite materials, and aluminum. In 2023, rubber-based hoses accounted for 39.16% of the market due to their flexibility, ease of handling, and durability, essential for frequent refueling operations. The rubber segment is expected to grow at a 5.3% CAGR during the forecast period.

Based on aircraft type, the market is divided into wide-body aircraft, narrow-body aircraft, and rotorcraft. Wide-body aircraft led the market with a 44% share in 2023 and are projected to grow at a 5.3% CAGR over the forecast period. These aircraft, used primarily for long-haul flights, require specialized refueling systems to accommodate larger fuel tanks, driving the demand for high-volume refueling hoses. Advances in hose technology have also improved the durability and pressure-handling capacity of these systems.

North America held the largest market share in 2023, accounting for approximately 32.5%. This region's dominance is due to its high air traffic volume, with major international hubs like Hartsfield-Jackson Atlanta International Airport and Los Angeles International Airport handling millions of passengers and flights annually. Additionally, the growth in e-commerce has increased cargo flight traffic, further driving the demand for refueling hoses across the region.

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