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North America Copper Tubes Market by Type (Type K, Type L, Type M), Form (Straight Tubes, Coils, Capillary Tubes), Application (HVACR, Plumbing, Industrial, Automotive, Medical) - Global Forecast to 2030

https://marketpublishers.com/r/N2A87E590945EN.html
Date: April 2025
Pages: 171
Price: US$ 4,950.00 (Single User License)
ID: N2A87E590945EN

Abstracts

The North American copper tubes market is projected to grow from USD 3.18 billion in 2024 to USD 3.44 billion by 2030, registering a CAGR of 4.0% during the forecast period. The growth of the copper tubes market in North America can be attributed to the rising demand for energy-efficient HVACR products, expanding healthcare infrastructure, and increasing focus on sustainable buildings. The strength, ability to conduct heat, and recyclability of copper have made it a preferred material in medical, plumbing, and industrial applications. Smart city development, retrofitting of existing infrastructure, and increasing electric vehicle usage requiring advanced thermal management systems present opportunities for market growth. Furthermore, domestic production pushes through government policies as well as green building certifications to fuel market development. With a push toward industries optimizing efficiency and sustainability, copper tubes are taking over as the next best bet, being a proven and future-proof alternative.

Type L to register the fastest growth in the North American copper tubes market during the forecast period

The Type L copper tubes segment is the most rapidly growing segment in the North American copper tubes market because its perfect combination of strength, flexibility, and affordability renders it extremely versatile across a broad portfolio of applications. In contrast to the thicker and higher-priced Type K tubes, Type L tubes have enough thickness in the wall to manage moderate to high pressures and are still lighter and

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cheaper, a factor that makes them desirable for both commercial and residential applications. This versatility increased their popularity in plumbing systems, HVACR installations, medical gas piping, and retrofit projects, where performance is paramount but extreme durability (as provided by Type K) is not always required. Second, Type L copper tubes are also simpler to bend, cut, and install, saving labor time and construction periods, which, in today's world of fast-moving building sites, is a great advantage. In addition, Type L tubes meet most plumbing codes across North America and offer enhanced corrosion resistance, which is why they are perfectly suited for the transportation of drinking water and refrigerants with little need for maintenance. With urban population increases and aging infrastructure, the demand for efficient, compliant, and affordable piping solutions is on the rise. This directly translates into the growing use of Type L tubes, whose ability to ensure reliability in the long term at a competitive rate is forcing contractors, engineers, and builders to opt for them as their first choice, leading to their rapid growth across the North American region.

Coils to register the fastest growth in the North American copper tubes market during the forecast period.

The coils segment will register the highest growth in the North American copper tubes market due to its high flexibility, easy transportation, and efficient installation, particularly in new construction buildings and HVACR applications. Flexible coiled copper tubing can be bent over obstructions and formed to fit into tight areas without requiring several junctions and fittings, a feature that conserves installation time but also diminishes the potential for leaks and provides a less segmented, more dependable piping solution. Flexibility is particularly worth its weight because of the intricate configurations and restrictive areas common to residential and commercial building plumbing systems, refrigeration equipment, and air conditioning ducts. As more attention is being focused on cost-saving construction methods and energy-efficient building systems, coiled copper is becoming increasingly popular with contractors and system designers looking to minimize labor costs and material wastage. Coiled tubes also allow for long, unbroken runs without the need for many splices that can weaken a system's integrity in the long run. This not only increases system reliability but also reduces the risk of maintenance issues, and that is well in keeping with the imperative of low-maintenance, long-lasting infrastructure solutions.

The plumbing segment to register the highest growth rate in the North American copper tubes market, by application

Plumbing is the fastest-growing application segment of the North American copper

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tubes market because copper remains the most dependable material for water supply systems, providing safety, durability, and long-term value. Plumbing relies heavily on materials offering safe delivery of potable water, and the inherent antimicrobial properties, resistance to corrosion, and pressure stability of copper position it as the preferred material for new construction and retrofitting needs. With the increasing urban population in North America, existing pipes have become outdated and have to be replaced, and demands are higher than ever for secure piping solutions fulfilling stringent health and building codes. Copper is easily able to meet these needs. In addition, more stringent water purity issues have led many cities and contractors to reject less expensive plastic options in favor of copper based on its established water purity track record spanning decades. The extensive use of copper in plumbing is also being supported by greater demand for green building practices and LEED certification. Copper tubing can be completely recycled, which is compatible with the green philosophy without sacrificing performance. In residential, commercial, and institutional applications, copper’s flexibility, compatibility with installed plumbing products, and extended service life offer an unparalleled value proposition. As CPVC and PEX are competing for market share, copper’s reputation for reliability, as well as public and regulatory confidence, continues to maintain its strong momentum in plumbing applications. As expenditures on infrastructure increase and as health-based building codes become more stringent, the plumbing market will remain a key growth driver for North American copper tube producers.

In-depth interviews were conducted with chief executive officers (CEOs), marketing directors, other innovation and technology directors, and executives from various key organizations operating in the North American copper tubes market, and information was gathered from secondary research to determine and verify the market size of several segments.

By Company Type: Tier 1 - 50%, Tier 2 - 30%, and Tier 3 - 20%

By Designation: Managers - 15%, Directors - 20%, and Others - 65%

By Region: North America - 100%

Major players in the North American copper tubes market include Mueller Industries (US), Wieland Group (Germany), Hailiang Group (China), KME Group SpA (Italy), Luvata (Finland), Cerro Flow Products LLC (US), KOBE STEEL, LTD. (Japan), Cambridge-Lee Industries LLC (US), Golden Dragon Precise Copper Tube Group Inc.

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(China), and American Elements (US). The study includes an in-depth competitive analysis of these key players in the North American copper tubes market, with their company profiles, recent developments, and key market strategies.

Research Coverage

This report segments the North American copper tubes market on the basis of type, form, application, and country and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, and expansions associated with the North American copper tubes market.

Key benefits of buying this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view of the competitive landscape, emerging and high-growth segments of the North American copper tubes market, high-growth regions, and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Market Dynamics: Analysis of drivers (growing need for HVAC systems in buildings), restraints (high cost and vulnerability of copper to corrosion, making aluminum tubing more durable and affordable alternative), opportunities (urban retrofitting initiatives and development of smart cities), and challenges (winter conditions accelerate cracking and leakage in copper tubes systems) influencing the growth of the North American copper tubes market.

Market Penetration: Comprehensive information on the North American copper tubes market offered by top players in the market.

Product Development/Innovation: Detailed insights on the upcoming technologies, research & development activities, product launches, expansions, and partnerships in the North American copper tubes market.

Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the North American copper tubes market across regions.

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Market Capacity: Production capacities of companies producing copper tubes in North America are provided wherever upcoming capacities are available.

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the North American copper tubes market.

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