

GRP Pipes Market Size, Share & Trends Analysis Report By Application (Oil & Gas, Chemicals, Sewage, Irrigation, Others), By Region (North America, Europe, Asia Pacific, Latin America, MEA), And Segment Forecasts, 2025 - 2030

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Abstracts

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GRP Pipes Market Growth & Trends

The global GRP pipes market size is anticipated to reach USD 2.39 billion by 2030, according to a new report by Grand View Research, Inc. The market is projected to grow at a CAGR of 4.2% from 2025 to 2030. Glass fiber reinforced plastic (GRP) pipes are lightweight, durable, and offer superior corrosion resistance and strength, which makes them suitable for use in water and wastewater transport applications.

Increasing stringent regulations on wastewater collection and treatment are likely to propel the demand for GRP pipes. These are easy to install as compared to their metal counterparts on account of their flexible nature. GRP pipes include lesser joints and can be laid over longer distances, owing to which they are usually preferred for long-distance water transportation.

Developing countries are witnessing an increase in stringent regulations on residential wastewater collection and treatment, which are expected to open new avenues for the growth of GRP pipes industry. Furthermore, mandates by the governments across developed economies to install water treatment facilities in industrial units are likely to boost the demand for GRP pipes in industrial applications. These are also suitable for the transportation of a variety of chemicals owing to their inert nature.

Furthermore, GRP pipes are suitable for use in desalination and hydropower plant.

Increasing investments in the industrial sector cater the demand from end users are expected propel the demand for GRP pipes and, in turn, the market growth over the projected period. Key industry players are engaged in R&D to devise enhanced anti-corrosion pipes with an ability to sustain high temperatures and pressures, which is likely to increase the product scope in O&G application. A diversified portfolio, brand reputation, and enhanced product quality were observed to be the key success factors for leading glass fiber reinforced plastic pipe market players such as Amiblu Group.

GRP Pipes Market Report Highlights

The irrigation segment accounted for the largest revenue share of 38.7% in 2024. GRP pipes provide numerous benefits in irrigation applications.

The sewage segment is expected to grow at a CAGR of 4.3% during the forecast period. GRP pipes are widely used in sewage treatment facilities on account of their ability to resist corrosion caused by toxic chemicals during the treatment.

Asia Pacific dominated the market and accounted for the largest revenue share of 45.3% in 2024. India is expected to be the fastest-growing market for GRP pipes in the region.

In 2024, China was the largest consumer of pipes in the Asia Pacific owing to the presence of numerous chemical manufacturing companies in the country.

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