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US Collection

Potable Water Pipe: United States

October 2020



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About This Report

Scope

This report forecasts to 2024 US potable water pipe demand in nominal US dollars at the manufacturer level. Total demand is segmented by material in terms of:

- plastic
- copper
- steel
- ductile iron
- concrete

Total demand is also segmented by application as follows:

- water distribution
- water transmission
- other applications such as service and rural water pipe

To illustrate historical trends, total demand and the various segments are reported at five-year intervals for 2009, 2014, and 2019.

Although distinctions are sometimes made between pipes and tubes, for the purposes of this report the terms “pipe” and “tube” are used interchangeably. Fittings are excluded from the scope of the report.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading companies, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Potable Water Pipe: United States (FF60112) is based on [Pipe Products & Markets](#), a comprehensive industry study published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group

About This Report

- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 5 | NAICS & SIC Codes Related to Potable Water Pipe

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
326122	Plastics pipe and pipe fitting manufacturing	3084	Plastics pipe
327120	Clay building materials and refractories manufacturing	3259	Structural clay products, not elsewhere classified
327332	Concrete pipe manufacturing	3272	Concrete products, except block and brick
331110	Iron and steel mills and ferroalloy manufacturing	3312	Steel works, blast furnaces (including coke ovens), and rolling mills
331210	Iron and steel pipe and tube manufacturing from purchased steel	3317	Steel pipe and tubes
331318	Other aluminum rolling, drawing, and extruding	3321	Gray and ductile iron foundries
331420	Copper rolling, drawing, extruding, and alloying	3351	Rolling, drawing, and extruding of copper
331511	Iron foundries	3354	Aluminum extruded products
332996	Fabricated pipe and pipe fitting manufacturing	3498	Fabricated pipe and pipe fittings
335932	Noncurrent-carrying wiring device manufacturing	3644	Noncurrent-carrying wiring devices

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market's current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

About This Report

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Resources

The Freedonia Group

Pipe Products & Markets

Freedonia Industry Studies

Behind the Wall Plumbing

Drain, Waste, & Vent Pipe

Global Electric Power Transmission & Distribution Equipment

Global Water Treatment Equipment & Chemicals

Lawn & Garden Watering Products

Plastic Pipe

Plumbing Fixtures & Fittings

Precast Concrete Products

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Aluminum Pipe: United States

Consumer Water Treatment Systems: United States

Copper Pipe: United States

Kitchen & Bath Remodeling: United States

Oil & Natural Gas Pipe: United States

Polyvinyl Chloride: United States

Precast Water & Waste Handling Products: United States

Steel Mill Products: United States

Water: United States

Freedonia Custom Research

Trade Publications

Chemical Week

ICIS Chemical Business

Journal of Light Construction

Plastics News

Trenchless Technology

Agencies & Associations

Alliance for PE Pipe

American Concrete Pipe Association

American Iron and Steel Institute

American Plastics Council

Copper Development Association

Ductile Iron Pipe Research Association

About This Report

Federal Energy Regulatory Commission

Fiberglass Tank & Pipe Institute

National Association of Home Builders

Plastic Pipe and Fittings Association

Plastics Pipe Institute (a division of the Society of the Plastics Industry)

Steel Tube Institute

Uni-Bell PVC Pipe Association

United States Census Bureau

United States Environmental Protection Agency

United States International Trade Commission