



Freedonia Focus Reports
Global Collection

Plumbing Fixtures & Fittings:

**Europe** 

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## Scope

This report forecasts to 2024 plumbing fixture and fitting demand and production in nominal US dollars at the manufacturer level in Europe. Total demand is segmented by product in terms of:

- bathtubs and showers
- toilets, urinals, and bidets
- sinks
- bathroom sink faucets
- bathtub and shower faucets
- other products such as hot tubs and spas, kitchen sink and other faucets, and bathtub and shower fittings

Total demand is also segmented by market as follows:

- new residential
- residential improvement and repair
- new nonresidential
- nonresidential improvement and repair
- transportation

To illustrate historical trends, total demand is provided in annual series from 2009 to 2019; production and the various segments are reported at five-year intervals for 2009, 2014, and 2019.

Bathtub and shower surrounds are excluded from the scope of this report. Basic versions of products, such as chamber pots, that do not connect to a plumbing system are excluded.

For any given historical year, US dollar amounts are obtained from values expressed in applicable local currency. These local currency values are converted to US dollars at the average annual exchange rate for that year. For forecast years, the US dollar amounts assume the same annual exchange rate as that prevailing in 2019.

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

For the purposes of this report, Europe encompasses the following countries:

Table 6   Countries in Western Europe			
Andorra	Gibraltar	Jersey	Saint Pierre and Miquelon
Austria	Greece	Liechtenstein	San Marino
Belgium	Greenland	Luxembourg	Spain*
Channel Islands	Guernsey	Malta	Sweden
Faeroe Islands	Iceland	Monaco	Switzerland
Finland	Ireland	Netherlands	United Kingdom*
France*	Isle of Man	Norway	Vatican City
Germany*	Italy*	Portugal	

<sup>\*</sup>Major plumbing product markets.

Source: The Freedonia Group

Table 7   Countries in Eastern Europe		
Albania	Hungary	Romania
Belarus	Latvia	Russia*
Bosnia and Herzegovina	Lithuania	Serbia
Bulgaria	Macedonia	Slovakia
Croatia	Moldova	Slovenia
Czech Republic	Montenegro	Ukraine
Estonia	Poland	

<sup>\*</sup>Major plumbing product market.

Source: The Freedonia Group

#### Sources

*Plumbing Fixtures & Fittings: Europe* (FE60035) is based on *Global Plumbing Products*, 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
- 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 8   HS Codes Related to Plumbing Fixtures & Fittings		
HS Code	Definition	
7419.91.0010	Brass plumbing goods nesoi cast stamped or forged	
7419.99.5010	Brass plumbing goods nesoi	
8481.80.1020	Bath and shower faucets of copper	
8481.80.1030	Sink & lavatory faucets of copper, hand operated	
8481.80.1040	Supply stops of copper, hand operated	
8481.80.1050	Other hand operated taps, cocks, valves, & similar appliances of copper	
8481.80.5060	Bath, shower, sink, & lavatory faucets, hand operated, of other materials	

Source: United Nations Statistics Division

Table 9   NACE Code Related to Plumbing Fixtures & Fittings		
NACE Code	Definition	
23.4.2	Manufacture of ceramic sanitary fixtures	

Source: European Commission

### 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.

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

**Global Plumbing Products** 

#### **Freedonia Industry Studies**

Behind the Wall Plumbing

Ceilings

Decorative Tile

Global Countertops

Global Flooring

Global Housing

Global Industrial Valves

**Global Insulation** 

Global Roofing

Global Siding (Cladding)

Global Water Treatment Equipment & Chemicals

Global Windows & Doors

Pipe Products & Markets

Plumbing Fixtures & Fittings

Roofing

Siding

Windows & Doors

#### Freedonia Focus Reports

Copper Pipe: United States

COVID-19 Market Impact Analysis

Global Demographics

Global Macroeconomy

*Industrial & OEM Insulation: Europe* 

Industrial Rubber Products: United Kingdom

Pipe: United States

Polyvinyl Chloride: United States

Plumbing Fixtures & Fittings: United States

Potable Water Pipe: United States

Roofing: United Kingdom Steel Pipe: United States

Water Filtration Equipment: United Kingdom Water Treatment Products: United States

Freedonia Custom Research

#### **Trade Publications**

Builder

Home Channel News

Journal of Light Construction

Plumbing Engineer

Plumbing & Mechanical

PM Engineer

Professional Remodeler

Supply House Times

Water Online

WaterSense

World Plumbing Review

#### **Agencies & Associations**

Association of Plumbing and Heating Contractors

European Association of Mechanical Contractors (GCP Europe)

Eurostat

Germany Federal Statistical Office

International Association of Plumbing and Mechanical Officials

**International Monetary Fund** 

Organisation for Economic Co-operation and Development

Plumbing Manufacturers International

**UNdata** 

World Bank

**World Plumbing Council**