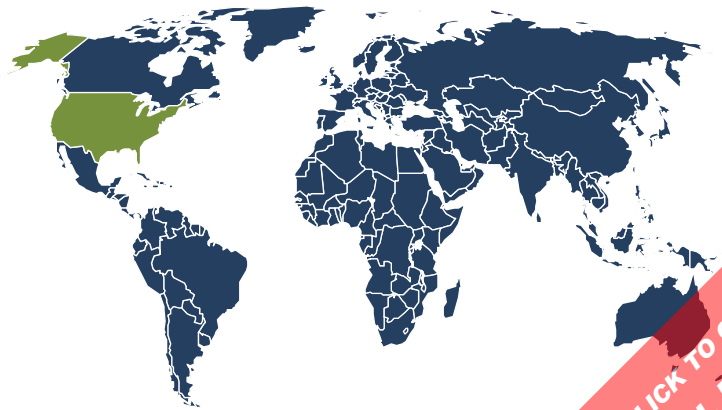




Freedonia Focus Reports
US Collection

Behind-the-Wall Plumbing: United States

March 2016



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Environmental and Regulatory Factors
Product Development | Application Overview

Segmentation and Forecasts

Products | Markets

Industry Structure

Industry Composition and Characteristics | Additional Companies Cited

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ABOUT THIS REPORT

Scope & Method

This report forecasts US behind-the-wall (BTW) plumbing demand in US dollars at the manufacturers' level to 2020. Total demand is segmented by product in terms of:

- pipe
- fittings
- valves
- fire sprinklers.

Pipe and fittings visible to the user of a kitchen or bathroom are excluded from the scope of this report, as are the products used outside of a structure (such as sewer pipe). Pipe and fittings in a basement or crawlspace are included in the scope of this report, even if they are visible and not technically "behind the walls". Sprinkler heads, while also visible, are also included.

Total demand is also segmented by market as follows:

- new nonresidential
- nonresidential improvement & repair (I&R)
- new residential
- residential I&R.

To illustrate historical trends, total demand is provided in an annual series from 2005 to 2015; the various segments are reported at five-year intervals for 2010 and 2015.

This report quantifies trends in various measures of growth. 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. 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.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. 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](#).

Sources

Behind-the-Wall Plumbing: United States (FF60087) is based on [Behind the Wall](#)

[Plumbing](#), a comprehensive industry study published by The Freedonia Group in March 2016. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

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

The topic of this report is related to the following industry codes:

| NAICS/SCIAN 2007 | | SIC | |
|---|---|-------------------------|------------------------------------|
| North American Industry Classification System | | Standard Industry Codes | |
| 326122 | Plastics Pipe and Pipe Fitting Mfg | 3084 | Plastics Pipe |
| 326191 | Plastics Plumbing Fixture Mfg | 3088 | Plastics Plumbing Fixtures |
| 331210 | Iron and Steel Pipe and Tube Mfg from Purchased Steel | 3317 | Steel Pipe and Tubes |
| 332913 | Plumbing Fixture Fitting and Trim Mfg | 3432 | Plumbing Fixture Fittings and Trim |
| 332919 | Other Metal Valve and Pipe Fitting Mfg | 3494 | Valves and Pipe Fittings, NEC |
| 332996 | Fabricated Pipe and Pipe Fitting Mfg | 3498 | Fabricated Pipe and Pipe Fittings |

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 PDF bookmarks are also available for navigation.

RESOURCES

The Freedonia Group

| | |
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| 3392 <i>Behind the Wall Plumbing</i> , March 2016 | www.freedoniagroup.com |
| Related Industry Studies | |
| 3362 <i>World Steel Pipe</i> , February 2016 | see study contents |
| 3372 <i>Cabinets</i> , January 2016 | see study contents |
| 3346 <i>Plumbing Fixtures & Fittings</i> , November 2015 | see study contents |
| 3301 <i>Countertops</i> , August 2015 | see study contents |
| 3312 <i>World Housing</i> , July 2015 | see study contents |
| 3272 <i>World Plastic Pipe</i> , July 2015 | see study contents |
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| <i>Fabricated Metal Products: United States</i> | see report contents |
| <i>Housing: United States</i> | see report contents |
| <i>Metal Services: United States</i> | see report contents |
| <i>Nonresidential Building Construction: United States</i> | see report contents |
| <i>Plumbing Fixtures & Fittings: United States</i> | see report contents |
| <i>Water & Wastewater Pipe: United States</i> | see report contents |
| <i>World Housing</i> | see report contents |
| Freedonia Custom Research | see capabilities |

Trade Publications

| | |
|--|--|
| <i>Builder</i> | www.builderonline.com |
| <i>The Journal of Light Construction</i> | www.jlconline.com |
| <i>Plumbing & Mechanical</i> | www.pmmag.com |
| <i>Professional Remodeler</i> | www.proremodeler.com |
| <i>Supply House Times</i> | www.supplyht.com |
| <i>Valve Magazine</i> | www.valvemagazine.com |

Agencies & Associations

| | |
|--|--|
| International Association of Plumbing and Mechanical Officials | www.iapmo.org |
| International Code Council | www.iccsafe.org |
| National Fire Sprinkler Association | www.nfsa.org |
| NSF International | www.nsf.org |
| Plumbing-Heating-Cooling Contractors Association | www.phccweb.org |
| United States Census Bureau | www.census.gov |
| United States Environmental Protection Agency | www.epa.gov |
| United States International Trade Commission | www.usitc.gov |

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