

Water Distribution System Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Components (Pipes, Valves), By Type (Pressurized Systems, Gravity Distribution Systems), By Application (Commercial, Industrial, Residential, Others), By Region & Competition, 2020-2030F

<https://marketpublishers.com/r/W1A90EDF3CE1EN.html>

Date: June 2025

Pages: 188

Price: US\$ 4,500.00 (Single User License)

ID: W1A90EDF3CE1EN

Abstracts

Market Overview

The Global Water Distribution System Market was valued at USD 130.5 billion in 2024 and is projected to reach USD 196.5 billion by 2030, growing at a CAGR of 6.9% during the forecast period. The market's growth is propelled by urban expansion, population increase, aging infrastructure in developed economies, and rising water demand across industrial, residential, and agricultural sectors. Emerging economies in regions like Asia-Pacific and Africa are experiencing surging infrastructure needs due to rapid urbanization. Meanwhile, developed regions are prioritizing rehabilitation of deteriorating pipelines and outdated systems. Climate change, coupled with irregular rainfall and rising water stress, is accelerating demand for resilient water networks. The industry is also witnessing widespread integration of smart technologies—including IoT-based sensors, real-time analytics, and automated leak detection—to optimize efficiency and minimize water losses. Governments are ramping up regulatory pressure and capital investments to promote sustainable water management. The confluence of environmental, technological, and demographic forces is transforming the global water distribution landscape, positioning it for robust and sustained growth.

Key Market Drivers

Rapid Urbanization and Population Growth

The global water distribution system market is strongly driven by rapid urbanization and population expansion. As cities grow and more people migrate to urban centers, the strain on existing water infrastructure intensifies. The United Nations projects that by 2050, 68% of the global population will reside in urban areas, up from 56% in 2020. This surge necessitates significant upgrades and expansions of water distribution systems to ensure reliable access to clean water. Developing countries across Asia-Pacific, Africa, and Latin America are seeing the fastest rates of urban growth, prompting governments and private stakeholders to prioritize investments in modern water infrastructure. The demand is not limited to central urban zones but extends to peripheral and underserved communities, where scalable and efficient water solutions are essential for public health and economic development.

Key Market Challenges

High Capital Investment and Maintenance Costs

A key challenge in the global water distribution system market is the substantial capital and operational investment required to build, upgrade, and maintain infrastructure. The costs of constructing pipelines, implementing smart systems, and complying with stringent water quality standards are especially burdensome for developing regions and smaller municipalities. Complex installations—particularly in dense urban or remote terrains—demand high-grade, corrosion-resistant materials and significant logistical planning. Beyond initial capital outlay, recurring expenses such as pump energy usage, system monitoring, and leakage repair add to the financial strain. Non-Revenue Water (NRW), caused by leakage and system inefficiencies, accounts for 25% to 50% of treated water losses globally, further exacerbating operational costs. These financial constraints can slow modernization efforts and limit access to advanced solutions.

Key Market Trends

Integration of Smart Water Technologies

A transformative trend reshaping the global water distribution system market is the growing adoption of smart technologies. These systems enable utilities to manage networks with real-time insights and automation, driving improvements in efficiency, safety, and sustainability. Smart water solutions include IoT-enabled sensors, advanced metering infrastructure (AMI), automated meter reading (AMR), SCADA platforms, and

GIS tools. Together, these technologies facilitate precise monitoring of water flow, leak detection, pressure regulation, and predictive maintenance. Utilities benefit from reduced water loss, optimized energy consumption, and improved service delivery. As demand grows for data-driven infrastructure, smart water networks are becoming integral to future-ready urban planning and sustainable resource management.

Key Market Players

Mueller Water Products

Xylem

Sensus

Pentair

ABB Ltd.

Watts Water Technologies

IDEX Corporation

Emerson Electric

Report Scope:

In this report, the Global Water Distribution System Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Water Distribution System Market, By Components:

Pipes

Valves

Water Distribution System Market, By Type:

Pressurized Systems

Gravity Distribution Systems

Water Distribution System Market, By Application:

Commercial

Industrial

Residential

Others

Water Distribution System Market, By Region:

North America

§ United States

§ Canada

§ Mexico

Europe

§ Germany

§ France

§ United Kingdom

§ Italy

§ Spain

Asia Pacific

§ China

§ India

§ Japan

§ South Korea

§ Australia

South America

§ Brazil

§ Colombia

§ Argentina

Middle East & Africa

§ Saudi Arabia

§ UAE

§ South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Water Distribution System Market.

Available Customizations:

Global Water Distribution System Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following

customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. VOICE OF CUSTOMER

5. GLOBAL WATER DISTRIBUTION SYSTEM MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Components (Pipes, Valves)
 - 5.2.2. By Application (Commercial, Industrial, Residential, Others)
 - 5.2.3. By Type (Pressurized Systems, Gravity Distribution Systems)
 - 5.2.4. By Region (North America, Europe, South America, Middle East & Africa, Asia)

Pacific)

5.3. By Company (2024)

5.4. Market Map

6. NORTH AMERICA WATER DISTRIBUTION SYSTEM MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Components

6.2.2. By Application

6.2.3. By Type

6.2.4. By Country

6.3. North America: Country Analysis

6.3.1. United States Water Distribution System Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Components

6.3.1.2.2. By Application

6.3.1.2.3. By Type

6.3.2. Canada Water Distribution System Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Components

6.3.2.2.2. By Application

6.3.2.2.3. By Type

6.3.3. Mexico Water Distribution System Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Components

6.3.3.2.2. By Application

6.3.3.2.3. By Type

7. EUROPE WATER DISTRIBUTION SYSTEM MARKET OUTLOOK

7.1. Market Size & Forecast

- 7.1.1. By Value
- 7.2. Market Share & Forecast
 - 7.2.1. By Components
 - 7.2.2. By Application
 - 7.2.3. By type
 - 7.2.4. By Country
- 7.3. Europe: Country Analysis
 - 7.3.1. Germany Water Distribution System Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Components
 - 7.3.1.2.2. By Application
 - 7.3.1.2.3. By Type
 - 7.3.2. France Water Distribution System Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Components
 - 7.3.2.2.2. By Application
 - 7.3.2.2.3. By Fuel Type
 - 7.3.3. United Kingdom Water Distribution System Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Components
 - 7.3.3.2.2. By Application
 - 7.3.3.2.3. By Fuel Type
 - 7.3.4. Italy Water Distribution System Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Components
 - 7.3.4.2.2. By Application
 - 7.3.4.2.3. By Type
 - 7.3.5. Spain Water Distribution System Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Value
 - 7.3.5.2. Market Share & Forecast

- 7.3.5.2.1. By Components
- 7.3.5.2.2. By Application
- 7.3.5.2.3. By Type

8. ASIA PACIFIC WATER DISTRIBUTION SYSTEM MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Components
 - 8.2.2. By Application
 - 8.2.3. By Type
 - 8.2.4. By Country
- 8.3. Asia Pacific: Country Analysis
 - 8.3.1. China Water Distribution System Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Components
 - 8.3.1.2.2. By Application
 - 8.3.1.2.3. By Type
 - 8.3.2. India Water Distribution System Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Components
 - 8.3.2.2.2. By Application
 - 8.3.2.2.3. By Type
 - 8.3.3. Japan Water Distribution System Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Components
 - 8.3.3.2.2. By Application
 - 8.3.3.2.3. By Type
 - 8.3.4. South Korea Water Distribution System Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast

- 8.3.4.2.1. By Components
- 8.3.4.2.2. By Application
- 8.3.4.2.3. By Type
- 8.3.5. Australia Water Distribution System Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Components
 - 8.3.5.2.2. By Application
 - 8.3.5.2.3. By Type

9. MIDDLE EAST & AFRICA WATER DISTRIBUTION SYSTEM MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Components
 - 9.2.2. By Application
 - 9.2.3. By Type
 - 9.2.4. By Country
- 9.3. Middle East & Africa: Country Analysis
 - 9.3.1. Saudi Arabia Water Distribution System Market Outlook
 - 9.3.1.1. Market Size & Forecast
 - 9.3.1.1.1. By Value
 - 9.3.1.2. Market Share & Forecast
 - 9.3.1.2.1. By Components
 - 9.3.1.2.2. By Application
 - 9.3.1.2.3. By Type
 - 9.3.2. UAE Water Distribution System Market Outlook
 - 9.3.2.1. Market Size & Forecast
 - 9.3.2.1.1. By Value
 - 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Components
 - 9.3.2.2.2. By Application
 - 9.3.2.2.3. By Type
 - 9.3.3. South Africa Water Distribution System Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast

- 9.3.3.2.1. By Components
- 9.3.3.2.2. By Application
- 9.3.3.2.3. By Type

10. SOUTH AMERICA WATER DISTRIBUTION SYSTEM MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Components
 - 10.2.2. By Application
 - 10.2.3. By Type
 - 10.2.4. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Water Distribution System Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Components
 - 10.3.1.2.2. By Application
 - 10.3.1.2.3. By Type
 - 10.3.2. Colombia Water Distribution System Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Components
 - 10.3.2.2.2. By Application
 - 10.3.2.2.3. By Type
 - 10.3.3. Argentina Water Distribution System Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Components
 - 10.3.3.2.2. By Application
 - 10.3.3.2.3. By Type

11. MARKET DYNAMICS

- 11.1. Drivers

11.2. Challenges

12. MARKET TRENDS AND DEVELOPMENTS

12.1. Merger & Acquisition (If Any)

12.2. Product Launches (If Any)

12.3. Recent Developments

13. COMPANY PROFILES

13.1. Mueller Water Products

13.1.1. Business Overview

13.1.2. Key Revenue and Financials

13.1.3. Recent Developments

13.1.4. Key Personnel

13.1.5. Key Product/Services Offered

13.2. Xylem

13.3. Sensus

13.4. Pentair

13.5. ABB Ltd.

13.6. Watts Water Technologies

13.7. IDEX Corporation

13.8. Emerson Electric

14. STRATEGIC RECOMMENDATIONS

15. ABOUT US & DISCLAIMER

I would like to order

Product name: Water Distribution System Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Components (Pipes, Valves), By Type (Pressurized Systems, Gravity Distribution Systems), By Application (Commercial, Industrial, Residential, Others), By Region & Competition, 2020-2030F

Product link: <https://marketpublishers.com/r/W1A90EDF3CE1EN.html>

Price: US\$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/W1A90EDF3CE1EN.html>