

Global Natural Gas Distribution Pipeline Hardware Market for Residential Application

Market Research Report | 2026-01-07 | 116 pages | BCC Research

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Report description:

Description

Report Scope

The global natural gas distribution pipeline hardware market for residential applications report encompasses key market segments, including product type, connectivity (for fittings) and installation type.

Based on product type, the market consists of fitting and gas meter sets. The fitting segment includes couplings, reducers and end caps, as well as arches and angles. Furthermore, the gas meter set segment is divided into shut-off valve, gas meter, regulator, meter riser and others.

- By connectivity type, the market comprises electrofusion, butt fusion and compression (mechanical, threaded and flange).
- By installation type, the market is divided into new installation and retrofit.
- By region, the market comprises North America, Europe, Asia-Pacific and the Rest of the World (which includes Latin America, and the Middle East and Africa). The regional section categorizes the market by major countries, including the U.S., Canada, China, Japan, India, South Korea, U.K., Spain, France, Germany, and Italy. However, this report excludes hardware used for commercial and industrial gas distribution applications.

The study includes company profiles of leading companies, which provide financial information, product portfolios and recent developments. However, the financial information is provided only for public companies. The report also analyzes emerging technologies, patents and the competitive landscape, including market rankings and strategies (key development) of leading companies. It also includes a chapter on environmental, social and governance (ESG) initiatives. The report also includes the impact of tariffs and the Russia-Ukraine war on the market.

The report uses tables and figures to illustrate historical, current and future market scenarios. In this report, 2024 is considered the base year, 2025 is an estimated year and market values are projected through 2030. All market values are nominal and expressed in \$ millions.

Report Includes

- 35 data tables and 41 additional tables

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- An overview of the global market for natural gas distribution pipeline hardware for residential applications
- In-depth analysis of global market trends, featuring historical revenue data for 2024, estimated figures for 2025, as well as forecasts for 2026 and 2029. This analysis includes projections of compound annual growth rates (CAGRs) through 2030
- Evaluation of the current market size and revenue growth prospects specific to the market, accompanied by a market share analysis by product type, connectivity, installation type, and region
- Analysis of current and future demand in the market, along with a detailed analysis of the competitive environment, market regulations and reimbursement practices
- Analysis of drivers, challenges, and opportunities affecting market growth
- Coverage of evolving technologies, the current and future market potential, R&D activities, growth strategies, new product pipeline, regulatory framework and reimbursement scenarios, and ESG trends of the market
- Market share analysis of the key market participants in the industry, along with their research priorities, product portfolios, global rankings and company competitive landscape
- Profiles of major companies within the industry, including Itron Inc., Honeywell International Inc., Georg Fischer Ltd., Aliaxis Holdings SA, and Apator S.A.

Executive Summary

Summary:

The global natural gas distribution pipeline hardware market for residential applications is expected to grow from \$3.3 billion in 2025 and is projected to reach \$3.9 billion by the end of 2030, at a compound annual growth rate (CAGR) of 3.6% during the forecast period of 2025 to 2030.

The global natural gas distribution pipeline hardware market in residential applications is experiencing growth, driven by rising demand for cleaner and cost-effective energy solutions. Advances in pipeline materials, smart metering and digital monitoring technologies are enhancing distribution efficiency, safety and leakage detection.

Market Dynamics and Growth Factors

Key growth drivers include government policies that promote the adoption of natural gas for residential heating and cooking as part of decarbonization agendas. Substantial investments in replacing old pipelines and integrating digital systems improve operational safety, reliability and efficiency. Additionally, consumer expectations for transparent billing and uninterrupted supply accelerate the deployment of advanced hardware such as smart valves, corrosion-resistant pipes and automated pressure regulators.

Future Trends and Developments

Future market growth will be driven by innovations in pipeline hardware, including automated valves, advanced leak detection systems and hydrogen-compatible pipelines. The rise of digital metering systems will boost network transparency and customer engagement. As the natural gas sector evolves toward decarbonization, modular and adaptable pipeline components will become increasingly crucial in meeting changing fuel compositions and evolving environmental standards.

Table of Contents:

Table of Contents
 Chapter 1 Executive Summary
 Market Outlook
 Scope of Report

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Market Summary
Market Dynamics and Growth Factors
Future Trends and Developments
Segmental Analysis
Regional Insights and Emerging Markets
Conclusion
Chapter 2 Market Overview
Current Market Overview and Future Outlook
Macroeconomic Factors
Rise in Urban Population
Increasing Natural Gas Demand
Rapid Infrastructure Development
Impact of the Russia-Ukraine War
Impact of the U.S. Tariff
Value Chain Analysis
Raw Materials Providers
Hardware Manufacturers
Gas Distribution Companies
End Users
Porter's Five Forces
Bargaining Power of Buyers
Bargaining Power of Suppliers
Potential for New Entrants to the Market
Competition in the Industry
Threat of Substitutes
Regulations and Standards
ASTM D2513 - Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing and Fittings (U.S.)
EN 1555 - Plastics Piping Systems for the Supply of Gaseous Fuels - Polyethylene (PE)
EU Framework for Gas Supply Security
PNGRB Gas Supplies to Multi-Occupancy Residential Buildings Guidelines (India)
Saudi Aramco Engineering Standard (SAES NG-1)
ABNT NBR 15526 - Polyethylene Pipes for Gas Distribution (Brazil)
NOM-007-SECRE-2010 - Safety Requirements for Gas Distribution Systems (Mexico)
Use Cases
Use Case 1: Milesight Smart Gas Metering for Control Link
Use Case 2: NICIGAS Smart Gas Meter Reader Project
Chapter 3 Market Dynamics
Overview
Market Drivers
Increasing Consumer Preference for Natural Gas in Asia-Pacific
Expansion of Natural Gas Infrastructure with Urbanization
Growth in Residential Houses
Market Restraints/Challenges
High Infrastructure Installation Costs
Competition from Alternative Energy Sources
Market Opportunities
Government Support Promoting Natural Gas Adoption

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Upgrading Pipelines with Smart Monitoring Technology
Current Market Trends
Use of Advanced and Corrosion-Resistant Pipeline Materials
Focus on Safety Enhancements and Regulatory Compliance
Chapter 4 Emerging Technologies and Developments
Overview
Emerging Technologies in Global Natural Gas Distribution Pipeline Hardware Market for Residential Application
Internet of Things (IoT)
Digital Twin
Next-Generation Ultrasonic Gas Meters
AI-Based Leak Detection
Patent Analysis
Overview
Key Patents
Key Findings
Chapter 5 Market Segment Analysis
Segmentation Breakdown
Market Analysis by Product Type
Key Findings
Fitting
Gas Meter Set
Market Analysis for Fitting by Connectivity
Key Findings
Electrofusion
Butt Fusion
Compression
Market Analysis by Installation Type
Key Findings
New Installation
Retrofit
Geographic Breakdown
Market Analysis by Region
Key Findings
North America
Europe
Asia-Pacific
Rest of World
Chapter 6 Competitive Landscape
Overview
Market Ranking for Leading Companies
Itron Inc.
Honeywell International Inc.
Georg Fischer Ltd.
Aliaxis Holdings SA
Apator S.A.
Product Mapping Analysis
Key Developments

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Chapter 7 Sustainability in the Global Natural Gas Distribution Pipeline Hardware Market for Residential Application: An ESG Perspective

Overview

Environmental Impact

Social Impact

Governance Impact

Consumer Attitudes Toward ESG in the Global Natural Gas Distribution Pipeline Hardware Market for Residential Application

Case Studies of Successful Implementation of ESG

Georg Fischer Ltd.

Itron Inc.

Concluding Remarks from BCC Research

Chapter 8 Appendix

Methodology

Sources

Abbreviations

Company Profiles

AGRU KUNSTSTOFFTECHNIK GMBH

ALIAxis HOLDINGS SA

APATOR S.A.

AVK HOLDING A/S

CAVAGNA GROUP S.P.A

FUSION GROUP LTD.

GEORG FISCHER LTD.

HONEYWELL INTERNATIONAL INC.

ISCO INDUSTRIES INC.

ISIFLO

ITRON INC.

PIETRO FIORENTINI S.P.A.

PLASSON LTD.

RADIUS SYSTEMS

SWAGELOK CO.

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