

Greywater Recycling System Market Forecasts to 2032 – Global Analysis By System Type (Biological Systems, Mechanical Systems, Hybrid Systems and Other System Types), Source, Capacity, Treatment Technique, Distribution Channel, Application and By Geography

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Abstracts

According to Statistics MRC, the Global Greywater Recycling System Market is accounted for \$2.13 billion in 2025 and is expected to reach \$3.87 billion by 2032 growing at a CAGR of 8.9% during the forecast period. A greywater recycling system is an environmentally friendly way to manage water that gathers, cleans, and repurposes wastewater from non-sewage sources such as sinks, showers, bathtubs, and laundry. Greywater has fewer pollutants than blackwater and, with the right filtering and disinfection, can be safely recovered for non-potable uses. These technologies lessen the need for freshwater, cut down on water costs, and ease the burden on sewage treatment plants. Greywater that has been treated is frequently used for industrial operations, toilet flushing, and irrigation. By lowering wastewater discharge into natural water bodies and encouraging resource efficiency, greywater recycling promotes environmental conservation and is a crucial part of eco-friendly building design.

According to the United States Environmental Protection Agency (EPA), approximately 50-80% of residential wastewater is greywater, presenting a vast opportunity for recycling and reuse.

Market Dynamics:

Driver:

Escalating water scarcity and conservation needs

Freshwater supplies are under tremendous strain due to urbanisation and population growth. Water conservation is being encouraged by governments and organisations through policies and incentives. By reusing water for non-potable uses, greywater recycling systems contribute to a decrease in freshwater demand. Adoption of these systems is being encouraged by growing awareness of sustainable water use in homes and businesses. The market for greywater recycling systems is expanding at a substantial rate thanks to this trend.

Restraint:

High upfront installation costs

The substantial initial outlay makes many people and businesses hesitant to make investments. Professional installation, plumbing adjustments, and equipment costs frequently surpass financial constraints. Potential purchasers are further deterred by the lack of financing choices. Consequently, despite the long-term financial and environmental advantages, adoption is still limited.

Opportunity:

Increasing consumer and corporate sustainability awareness

Eco-friendly solutions are sought after by families and businesses to lessen their influence on the environment and water waste. Organisations and governments encourage adoption by offering incentives that complement sustainability objectives. Investment in cutting-edge recycling systems for increased efficiency is encouraged by growing awareness. Market penetration is further accelerated by corporate ESG pledges. The market for greywater recycling systems is expanding steadily as a result of everyone's move towards sustainability.

Threat:

Technical complexity and maintenance requirements

A lot of systems use sophisticated treatment procedures that need to be operated by professionals. Users who lack technological knowledge cause malfunctions and

decreased productivity. Operational burdens are increased by routine maintenance, such as filter cleaning and component replacement. Adoption is discouraged by these factors, particularly for residential users. As a result, perceived difficulties and maintenance requirements hinders market expansion.

Covid-19 Impact:

The Covid-19 pandemic impacted the Greywater Recycling System Market by disrupting supply chains, delaying projects, and causing labor shortages. Lockdowns slowed manufacturing and installation activities, while restrictions on construction projects hindered market growth. However, the crisis also heightened awareness of sustainable water management, encouraging adoption of water recycling technologies in residential, commercial, and industrial sectors. Growing concerns over water scarcity during the pandemic drove interest in decentralized water systems. As economies reopened, the market began to recover, supported by increased investments in sustainable infrastructure and environmental resilience.

The biological systems segment is expected to be the largest during the forecast period

The biological systems segment is expected to account for the largest market share during the forecast period by offering an eco friendly and sustainable method for treating wastewater using natural microorganisms. These systems effectively remove organic contaminants, making the treated water safe for reuse in irrigation, flushing, and other non potable applications. Their low chemical usage and reduced environmental impact appeal to environmentally conscious consumers and regulatory bodies. Advancements in biotechnology have enhanced efficiency, scalability, and cost effectiveness, increasing adoption in residential, commercial, and industrial sectors. Rising global emphasis on water conservation and sustainable living further drives demand for biological grey water recycling solutions.

The membrane bioreactor (MBR) segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the membrane bioreactor (MBR) segment is predicted to witness the highest growth rate due to increasing water scarcity, rapid urbanization, and government initiatives promoting water conservation. Countries like Australia, China, and India are witnessing high adoption in residential, commercial, and industrial sectors. Technological advancements and rising awareness about sustainable water management drive demand. Strict environmental regulations and incentives for eco-

friendly construction further support growth. However, adoption varies across regions due to differing infrastructure readiness. Emerging economies present significant opportunities as infrastructure develops. The market is characterized by strong competition among regional and international players, focusing on cost-effective, energy-efficient, and easy-to-maintain systems.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share, driven by environmental consciousness, stringent water-use regulations, and advanced infrastructure. The U.S. and Canada lead adoption, particularly in commercial and high-end residential projects. The region benefits from high technological maturity, strong manufacturer presence, and supportive government programs for sustainable building practices. Water scarcity issues in western states like California further boost demand. Consumer preference leans toward fully automated, low-maintenance systems with smart monitoring capabilities. Unlike Asia Pacific, the market here is mature, with slower but stable growth, driven mainly by retrofitting projects, premium product sales, and innovative water reuse technologies.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR driven by increasing urbanization, water scarcity concerns, and government initiatives promoting sustainable water management. Rapid development in residential, commercial, and industrial sectors is fueling demand for efficient water reuse solutions. Technological advancements in filtration, treatment, and smart monitoring systems are enhancing system efficiency and adoption. Countries like China, India, Japan, and Australia are at the forefront, implementing regulations and incentives to encourage greywater recycling, supporting environmental conservation and reducing freshwater dependency across the region.

Key players in the market

Some of the key players in Greywater Recycling System Market include BioMicrobics, Inc., Nexus eWater, Inc., Greyter Water Systems, Inc., Aquaco Water Recycling Limited, PHOENIX Process Equipment Company, Flotender, Salher, INTEWA GmbH, Aquartis, Eco-Smart, Kingspan Water, Stormsaver Ltd, Ecozi Ltd, Hydraloop Systems, Newterra Inc., Coerco, Edie and DeLoach Industries.

Key Developments:

In May 2025, Nexus Water Group signed a definitive agreement to sell its water and wastewater operations in Illinois, Indiana, Kentucky, Maryland, New Jersey, Pennsylvania, Tennessee, and Virginia to American Water Works Company, Inc. for approximately \$315 million, pending regulatory approval.

In September 2024, Bio Microbics unveiled the MicroFAST 0.4 a compact, 400 GPD residential FAST® (Fixed Activated Sludge Treatment) system. It meets NSF/ANSI 40 and 245 standards, features an above ground blower powered by an SFR® control panel with alarms, UV compatibility, and achieves >90% BOD/TSS plus ?50% nitrogen removal.

System Types Covered:

Biological Systems

Mechanical Systems

Hybrid Systems

Other System Types

Sources Covered:

Bathroom Greywater

Laundry Greywater

Kitchen Greywater

Combined Domestic Greywater

Capacities Covered:

oO1,000 Liters/Day

1,000–5,000 Liters/Day

Above 5,000 Liters/Day

Other Capacities

Treatment Techniques Covered:

Physical Filtration

Biological Treatment

Chemical Disinfection

Membrane Bioreactor (MBR)

Reverse Osmosis (RO)

UV Disinfection

Other Treatment Techniques

Distribution Channels Covered:

Direct Sales

Distributors & Dealers

Online Sales

Other Distribution Channels

Applications Covered:

Toilet Flushing

Irrigation & Landscaping

Laundry Use

Industrial Processes

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
 - 2.4.1 Data Mining
 - 2.4.2 Data Analysis
 - 2.4.3 Data Validation
 - 2.4.4 Research Approach
- 2.5 Research Sources
 - 2.5.1 Primary Research Sources
 - 2.5.2 Secondary Research Sources
 - 2.5.3 Assumptions

3 MARKET TREND ANALYSIS

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.7 Technology Analysis
- 3.8 Application Analysis
- 3.9 Emerging Markets
- 3.10 Impact of Covid-19

4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

5 GLOBAL GREYWATER RECYCLING SYSTEM MARKET, BY SYSTEM TYPE

- 5.1 Introduction
- 5.2 Biological Systems
- 5.3 Mechanical Systems
- 5.4 Hybrid Systems
- 5.5 Other System Types

6 GLOBAL GREYWATER RECYCLING SYSTEM MARKET, BY SOURCE

- 6.1 Introduction
- 6.2 Bathroom Greywater
- 6.3 Laundry Greywater
- 6.4 Kitchen Greywater
- 6.5 Combined Domestic Greywater

7 GLOBAL GREYWATER RECYCLING SYSTEM MARKET, BY CAPACITY

- 7.1 Introduction
- 7.2

List Of Tables

LIST OF TABLES

Table 1 Global Greywater Recycling System Market Outlook, By Region (2024-2032) (\$MN)

Table 2 Global Greywater Recycling System Market Outlook, By System Type (2024-2032) (\$MN)

Table 3 Global Greywater Recycling System Market Outlook, By Biological Systems (2024-2032) (\$MN)

Table 4 Global Greywater Recycling System Market Outlook, By Mechanical Systems (2024-2032) (\$MN)

Table 5 Global Greywater Recycling System Market Outlook, By Hybrid Systems (2024-2032) (\$MN)

Table 6 Global Greywater Recycling System Market Outlook, By Other System Types (2024-2032) (\$MN)

Table 7 Global Greywater Recycling System Market Outlook, By Source (2024-2032) (\$MN)

Table 8 Global Greywater Recycling System Market Outlook, By Bathroom Greywater (2024-2032) (\$MN)

Table 9 Global Greywater Recycling System Market Outlook, By Laundry Greywater (2024-2032) (\$MN)

Table 10 Global Greywater Recycling System Market Outlook, By Kitchen Greywater (2024-2032) (\$MN)

Table 11 Global Greywater Recycling System Market Outlook, By Combined Domestic Greywater (2024-2032) (\$MN)

Table 12 Global Greywater Recycling System Market Outlook, By Capacity (2024-2032) (\$MN)

Table 13 Global Greywater Recycling System Market Outlook, By

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