

Top 10 Wastewater Treatment System Manufacturers in 2026: Supporting Sustainable Water Treatment

Exploring Treatment Technologies, System Configurations, and Industrial Applications

CALIFORNIA, CA, UNITED STATES, October 26, 2026 /EINPresswire.com/ -- October 26, 2026 — As industrial wastewater management and water reuse remain important considerations for manufacturers, municipalities and infrastructure operators, wastewater treatment equipment suppliers continue to serve a broad range of applications. These include domestic sewage treatment, industrial effluent processing, membrane-based treatment and modular systems designed for sites with limited installation space.

Among the companies active in this field, Shandong Zhongqiao Enlightenment Environmental Protection Equipment Co., Ltd. develops integrated sewage treatment equipment, dissolved air flotation equipment and customized non-standard systems. Its product range covers different wastewater characteristics and installation conditions. The company is featured in this 2026 industry overview alongside nine international companies involved in wastewater treatment equipment, process engineering, filtration and membrane technologies.

Industry Context: Different Treatment Needs, Different Technologies

Wastewater treatment systems are designed around incoming water quality, required effluent standards and site conditions. Municipal sewage, hospital wastewater, food-processing effluent



Logo for Zhongqiao Enlightenment

and slaughterhouse wastewater can require different combinations of physical, chemical and biological treatment.

An Industrial [Wastewater Treatment System](#) may incorporate screening, equalization, biological treatment, clarification, filtration or membrane separation. A Dissolved Air Flotation System, also known as a DAF Wastewater Treatment System, can be used to separate suspended solids, fats or oils where appropriate. A Lamella Clarifier supports compact solids separation, while an MBR Wastewater Treatment System or MBBR Wastewater Treatment System may be considered when biological treatment, footprint and effluent requirements need to be addressed together.

International trade data also illustrates the scale of the water-treatment equipment sector. World Bank WITS data for 2024 records approximately US\$2.26 billion in Chinese exports under HS code 842121, which covers machinery and apparatus for filtering or purifying water. Germany recorded approximately US\$1.36 billion in the same category. These figures indicate activity in water-purification equipment trade but do not represent the entire wastewater treatment market.

Ten Companies in the Wastewater Treatment Industry

The following companies represent different parts of the wastewater treatment supply chain. This editorial overview is not a project-specific ranking. Some companies manufacture treatment equipment and integrated systems, while others specialize in process engineering, membranes or individual treatment components. Their suitability depends on the requirements of each project.

1. Shandong Zhongqiao Enlightenment Environmental Protection Equipment Co., Ltd. (China)

Founded in 2013 and based in Weifang, Shandong Province, Shandong Zhongqiao Enlightenment Environmental Protection Equipment Co., Ltd. develops and manufactures integrated sewage treatment equipment, dissolved air flotation machines and customized non-standard wastewater treatment equipment. The company reports a production workshop covering 40,000 square meters and provides equipment design, manufacturing, installation, commissioning and technical support.

Its product portfolio includes integrated sewage treatment equipment, MBBR integrated systems, MBR membrane systems, dissolved air flotation units and lamella clarification equipment. These products can support different treatment configurations for a Wastewater Treatment Plant or Packaged Sewage Treatment Plant, depending on wastewater characteristics, available space and required capacity. The company's modular equipment approach is also relevant to projects requiring an Integrated Sewage Treatment System or Modular Sewage Treatment Plant for domestic and selected industrial wastewater applications.

Depending on the equipment configuration and operating conditions, material options include carbon steel, SS304 stainless steel and PP. Its integrated sewage treatment range includes model WSZ-100, while its dissolved air flotation range includes model YW-5, rated at 5 m³/h. Applications identified by the company include hotels, hospitals, camps, slaughterhouses, livestock facilities and domestic wastewater projects. Depending on the wastewater characteristics and selected process, its equipment may be evaluated for a Hospital Wastewater Treatment System, Slaughterhouse Wastewater Treatment Plant or other application-specific treatment project.

For biological treatment, an MBBR Sewage Treatment Plant uses moving carriers to support microbial growth, while an MBR Sewage Treatment Plant combines biological treatment with membrane separation. These processes are not interchangeable in every project. Selection depends on influent quality, effluent targets, footprint, operating conditions and maintenance requirements.

The company identifies its integrated sewage treatment equipment under a quality management certification to GB/T 19001-2016/ISO 9001:2015, certificate number 21725Q06885R2M. The supplied certificate details identify the covered scope as production of integrated sewage treatment equipment, with a stated validity period from April 15, 2025, to April 27, 2028. Buyers should confirm the current certificate status and the coverage of the specific model with the certification issuer before relying on it for procurement.

2. Xylem Inc. (United States)

Xylem is a global water technology company supplying equipment, analytics and services for water and wastewater applications. Its portfolio supports water transport, treatment and monitoring across municipal, industrial and commercial settings. In 2023, Xylem completed its acquisition of Evoqua Water Technologies, expanding its water-treatment capabilities and service coverage. Its technologies can form part of larger municipal and industrial wastewater treatment projects.

3. Veolia Water Technologies (France)

Veolia Water Technologies provides water and wastewater treatment technologies, engineering expertise and operational services for municipal and industrial clients. Its solutions address treatment, effluent compliance, sludge management and water reuse. The company supports projects ranging from individual treatment processes to integrated facilities, including applications that require a complete Wastewater Treatment Plant rather than a single packaged unit.

4. Aqua-Aerobic Systems, Inc. (United States)

Aqua-Aerobic Systems is an applied engineering and equipment company serving municipal and industrial water and wastewater treatment applications. Its portfolio includes aeration and mixing equipment, biological treatment systems, cloth media filtration, membrane systems, oxidation, disinfection and process controls. The company also offers membrane bioreactor solutions and equipment for water reuse. Its technologies can be incorporated into new treatment facilities or used to upgrade existing plants, depending on the required process and operating conditions.

5. Aquatech International (United States)

Aquatech International develops industrial water treatment, desalination and zero liquid discharge technologies. Its solutions include membrane and thermal processes for applications involving high-salinity wastewater and water recovery. These systems are relevant to industrial facilities with demanding wastewater characteristics and recovery requirements that may extend beyond conventional biological treatment.

6. Kurita Water Industries (Japan)

Kurita Water Industries provides water-treatment chemicals, equipment and services for industrial facilities. Its activities include wastewater treatment, process-water management and water-quality optimization. The company also serves other industrial water applications, making its portfolio relevant to operators managing multiple process-water and wastewater streams within manufacturing facilities.

7. Ovivo (Canada)

Ovivo supplies water and wastewater treatment technologies for municipal and industrial applications. Its solutions include biological treatment, clarification, filtration, sludge management and membrane systems. The company serves new installations and existing treatment facilities requiring upgrades or customized process configurations.

8. HUBER SE (Germany)

HUBER SE manufactures mechanical wastewater treatment equipment and process components, including screening, grit removal, sludge treatment and stainless-steel systems. Its products are used in municipal and industrial wastewater facilities, often as part of larger

treatment plants designed and integrated by engineering contractors. The company is primarily an equipment and subsystem manufacturer rather than exclusively a supplier of complete packaged treatment plants.

9. Toray Industries, Inc. (Japan)

Toray Industries develops water-treatment membrane technologies, including reverse osmosis, ultrafiltration and membrane bioreactor products. These membranes and modules can be incorporated into third-party treatment systems for wastewater treatment and reuse. Its technologies are relevant to projects specifying membrane separation, including MBR systems, while the supply of membrane components remains distinct from the delivery of an entire treatment facility.

10. Nijhuis Saur Industries (Netherlands)

Nijhuis Saur Industries provides industrial water and wastewater treatment solutions, including systems for water reuse, effluent management and resource recovery. Its engineering services address different industrial wastewater characteristics and process requirements. Depending on the application, its solutions can support modular treatment configurations or more comprehensive industrial water-management projects.

Technical and Certification Considerations

When evaluating a wastewater treatment system, the treatment process, material selection and certification scope should be considered together. A certificate should be checked against the actual product family and manufacturing activity it covers, rather than treated as evidence that every product from a supplier has the same certification status.

Material selection is application-specific. Carbon steel, SS304 stainless steel and PP have different mechanical and chemical-resistance characteristics. The appropriate choice depends on wastewater composition, temperature, operating conditions and equipment design. For corrosive effluent, material suitability should be confirmed against actual process conditions rather than inferred from a general pH range alone.

Electrical controls and instrumentation are also relevant to maintenance and spare-parts planning. Where a supplier specifies PLCs or electrical components from established brands, the model numbers, configuration and regional service arrangements should be confirmed in the technical proposal.

Equipment sizing requires basic design information, including influent water quality, required

effluent limits and average and peak wastewater flow rates. Additional parameters may include temperature, suspended solids, chemical oxygen demand, biological oxygen demand, nutrients and specific contaminants. These inputs help determine whether conventional biological treatment, an MBR system, an MBBR system, a DAF Wastewater Treatment System or a combination of processes is appropriate.

Applications and Modular Treatment Configurations

Packaged and containerized systems may be suitable where installation time, transport and site constraints are important. A Containerized Wastewater Treatment Plant or [Containerized Sewage Treatment Plant](#) can integrate selected treatment stages into a transportable arrangement, although achievable treatment capacity and effluent quality depend on the design and influent conditions.

For smaller institutional or decentralized projects, a Packaged Sewage Treatment Plant or Integrated Sewage Treatment System may provide a practical configuration for domestic wastewater. Hospitals, food-processing operations and slaughterhouses may require additional pretreatment or disinfection depending on wastewater composition and local discharge requirements. A Food Processing Wastewater Treatment System or Slaughterhouse Wastewater Treatment Plant should therefore be designed around the actual organic load, fats, solids and other pollutants present.

Textile production can generate wastewater with variable color, chemical composition and organic loading. A [Textile Wastewater Treatment System](#) may combine equalization, chemical treatment, flotation, biological treatment and further polishing stages, depending on the effluent characteristics. No single treatment configuration should be assumed suitable for every industrial stream.

Outlook

The wastewater treatment industry encompasses integrated equipment manufacturers, engineering companies, membrane specialists and suppliers of individual process components. For project owners, a useful comparison begins by identifying the required treatment outcome and the type of supplier responsible for delivering it.

Shandong Zhongqiao Enlightenment's integrated equipment portfolio illustrates one segment of this market: configurable equipment intended for domestic wastewater and selected industrial applications. Across the wider supplier field, the final choice of a Wastewater Treatment System or Industrial Wastewater Treatment System depends on documented product scope, process suitability, materials, installation conditions and the project's required effluent quality.

As water reuse and discharge management continue to shape industrial and municipal projects, clear technical specifications and verifiable certification records remain important foundations for wastewater-treatment planning and procurement.

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