

WOOTER

Save The Water

WATERTREATMENT SYSTEMS

ABOUT US

With the advancement of technology, water purification systems have become integral to production processes in every industry. In this century, where our water resources are gradually diminishing, the use of water, the need for water treatment processes, wastewater systems, and industrial treatment systems are becoming increasingly important. To provide customized solutions for its clients, “Wooter Residential and Industrial Treatment Systems” was established in 2017. in 2017 and provides services in Türkiye and East Africa, with headquarters in Nairobi Kenya.

Our company, with its technological infrastructure, engineering, and technical staff, is positioned to offer corporate-level services to its clients and has always prioritized "customer experience." As a company with a mission and vision in the field of adaptable and transformable systems, automation, and the latest technologies, “Wooter” is one of the leading companies in the sector.

Although the use of our water varies according to needs, we believe that by applying appropriate technologies to processes, widespread and improper use can be prevented. With this belief, we will continue to serve our industry and you, our valued customers, for many years to come, to realize our dreams.



WOOTER OUR SERVICES

Operation and Maintenance

WOOTER can provide a comprehensive Operation and Maintenance solution for your treatment operations, including the assignment and management of daily operators, sample analysis, and mechanical maintenance. This complete solution allows customers to focus on their core responsibilities, knowing that the daily concerns of their treatment operations are being effectively managed.

Consulting

At WOOTER, we offer water treatment consulting services, temporary services, and operator training for Water Treatment Plants. Our diverse customer experience ranges from municipal wastewater treatment plant modifications to meeting the needs of military facilities. We assist with all aspects of water treatment, including compliance with current or new drinking water regulations.

Automation

With years of industry experience and a deep understanding of water and wastewater systems, our engineers at **WOOTER** are well-equipped to design and implement complex control systems, such as SCADA software, for water or wastewater treatment. Whether using our pre-tested, highly functional PLC code or your own standards, **WOOTER** understands water treatment equipment, environmental, and regulatory requirements, delivering a first-class system every time. In an industry flooded with low-bid deliveries that can lead to minimal value, reduced efficiency, and inflated total cost of ownership, it makes sense to choose professionals who get the job done right (and well) the first time.



Softening Systems



Water softening is achieved using the well-known principle of ion exchange. Experiments in the natural sciences have demonstrated that ion exchange can occur between an ion in solution and an insoluble solid. Procedures based on this principle have been used in local technology, commerce, and industry for over 50 years. Cation exchangers are used in this process. They replace the hardness-causing ions in water (calcium and magnesium ions) with sodium ions. Wetland single or tandem softening systems are both suitable and economical for industries that require 24-hour water supply and for water sources with very high hardness levels.

Gray Water Treatment Systems



Gray water treatment systems cover the re-treatment and use of wastewater such as hand washing (sink) water, shower water, including in places where people have intensive use, such as homes, workplaces, shopping malls.

Wastewater, which is classified as gray water, is first passed through sand filtration and purified from solid minerals such as body hair, nails, hair, skin in its content. Then it is taken to resting tanks and as a final process, the waters that have been converted to the gray water norm by the filtration technology method are stored for reuse.

Thus, a serious saving is made by bringing wastewater-related waters back into use.

Elektrodeionizasyon System



Application

EDI systems provide 95% water recovery without the use of chemicals, relying solely on electricity consumption. They are ideal for many applications, including power generation for boiler feed and NOx control, semiconductors, microelectronics, food and beverage, pharmaceuticals, and Ultrapure Water.

An EDI system is a continuous electrochemical water deionization process where ion-specific membranes, mixed bed resin, and a DC voltage between them replace the standard hazardous acid-caustic chemical regeneration process. The structure involves placing several layers of ion-selective membranes between an anode and a cathode. The compartments between these layers alternately contain mixed bed ion exchangers or are used as concentrate compartments.

The final product water quality varies depending on the quality of the incoming RO permeate water and the temperature of the water. The incoming RO permeate meets the specified quality requirements.

Iron-Manganese Removal



The removal of iron and manganese depends on the type and concentration of the water, which helps determine the best procedure and treatment system. Iron and manganese can be found in water in one of three basic forms: dissolved, particulate, and colloidal. The dominance of one form over another depends on the pH of the water. The two most common treatment methods are removal through oxidation/filtration and adsorption onto ion exchange resins.

Oxidation involves introducing an oxidizing agent that chemically reacts with the iron or manganese to form an insoluble particle, which can then be physically filtered out through a media bed.

These filters can be manufactured from FRP, ST37 Carbon Steel, and Stainless Steel.

Sand and Activated Carbon Filter



These filters are typically used to remove suspended solids that cause turbidity in water. Their operation is very simple, allowing water to pass through several layers of quartz (sand) and possibly a layer of anthracite. As the water moves downward through the filter media, the materials retained on the first layer of sand enhance filtration efficiency in the subsequent layers.

To clean the sand and thus regenerate the filter, a backwash is required, where water (or a mixture of water and air) flows through the filter from bottom to top, causing the backwash water to carry the previously filtered materials to the discharge point.

FRP (Fiber-Reinforced Polymers/Plastics), carbon steel, or galvanized tanks are used as filter tanks. FRP tanks are particularly preferred for their resistance to rust and corrosion, as well as their durability.

Greenhouse Systems



Greenhouse Water Treatment Plant

In modern greenhouses and agricultural applications, the water used for irrigation and process purposes is sourced from well water, river water, or seawater, depending on the location of the greenhouse. The quality of irrigation water is especially important in cockpit-based greenhouse applications, as it directly affects the quality of the produce. In these applications, the EC and pH levels of the irrigation water must be adjusted according to the needs of the crops.

For greenhouse water treatment systems, **WOOTER** offers turnkey solutions including Filtration Systems, Ultrafiltration Systems, Seawater, and Well Water Reverse Osmosis Systems, supported by its expert engineering and technical staff. After the installation and commissioning phases, all training is provided by expert personnel, ensuring that **WOOTER** supports optimal usage of the system with comprehensive after-sales services.

Additionally, the product water storage tank requirements for the water treatment systems to be installed are provided and assembled modularly by **WOOTER's** technical staff.

Reverse Osmosis Systems For Well Water



WE ARE THE FIRST MANUFACTURERS OF REVERSE OSMOSIS SYSTEM IN TURKEY!

Well water reverse osmosis systems are the most suitable systems for converting slightly saline or brackish waters from sources such as lakes, rivers, underground, surface waters, into drinkable and usable water. **WOOTER's** Brackish Water Reverse Osmosis (BWRO) plants are designed to treat water with <4000 mg/L dissolved solids (TDS) and <10 mg/L suspended solids (TSS) to obtain potable filtration.

Applications: These systems are actively used in water bottling plants, hospitals, hotels, greenhouses, agricultural irrigation, boiler feed water, laboratories, and for the preparation of process water in factories.

Standard Equipment

Sliding System Facilities and Equipment
Low and High Pressure Pumps
Sand and cartridge filters
Anti-scalant dosing system
Membrane CIP and automatic cleaning
System with HMI and PLC Control System

Standard Devices

Pressure Gauge
HP RO pump low and high pressure switch
Flow Meters

Reverse Osmosis Systems For Sea Water



Advantages: Up to 60% energy savings and a shorter payback period compared to traditional systems.

Seawater Reverse Osmosis Systems are used in business and residential units where water resources are insufficient and seawater use is necessary. They are designed for high-capacity enterprises, power plants, hotels, municipalities, and any organization with high water needs. **WOOTER's** Seawater Reverse Osmosis (SWRO) plants are designed to treat water to achieve potable filtration with <35000 mg/L of Total Dissolved Solids (TDS) and <10 mg/L of Total Suspended Solids (TSS).

Seawater reverse osmosis models have high electricity consumption, and are designed using energy recovery systems in accordance with the energy-saving processes of enterprises.

The pump system used in seawater reverse osmosis systems should be selected to be suitable for desalination of brackish and seawater. Additionally, the materials in the pressure transducer that come into contact with water should be made of duplex stainless steel and ceramic.

Applications: Water Filling Plants, Irrigation and Greenhousing, Textile Factories, Municipal Drinking Water Facilities, Hotels, Camps, School Boiler Feed Water Preparation, Water Recovery Systems, and Other Industrial Processes.

Optional Equipment

Optional Ultra Filtration
Optional Activated Carbon
Insulated Containers
Additional Post-RO Treatment
Premium Instrumentation Package
Permeate Distribution Pump Set

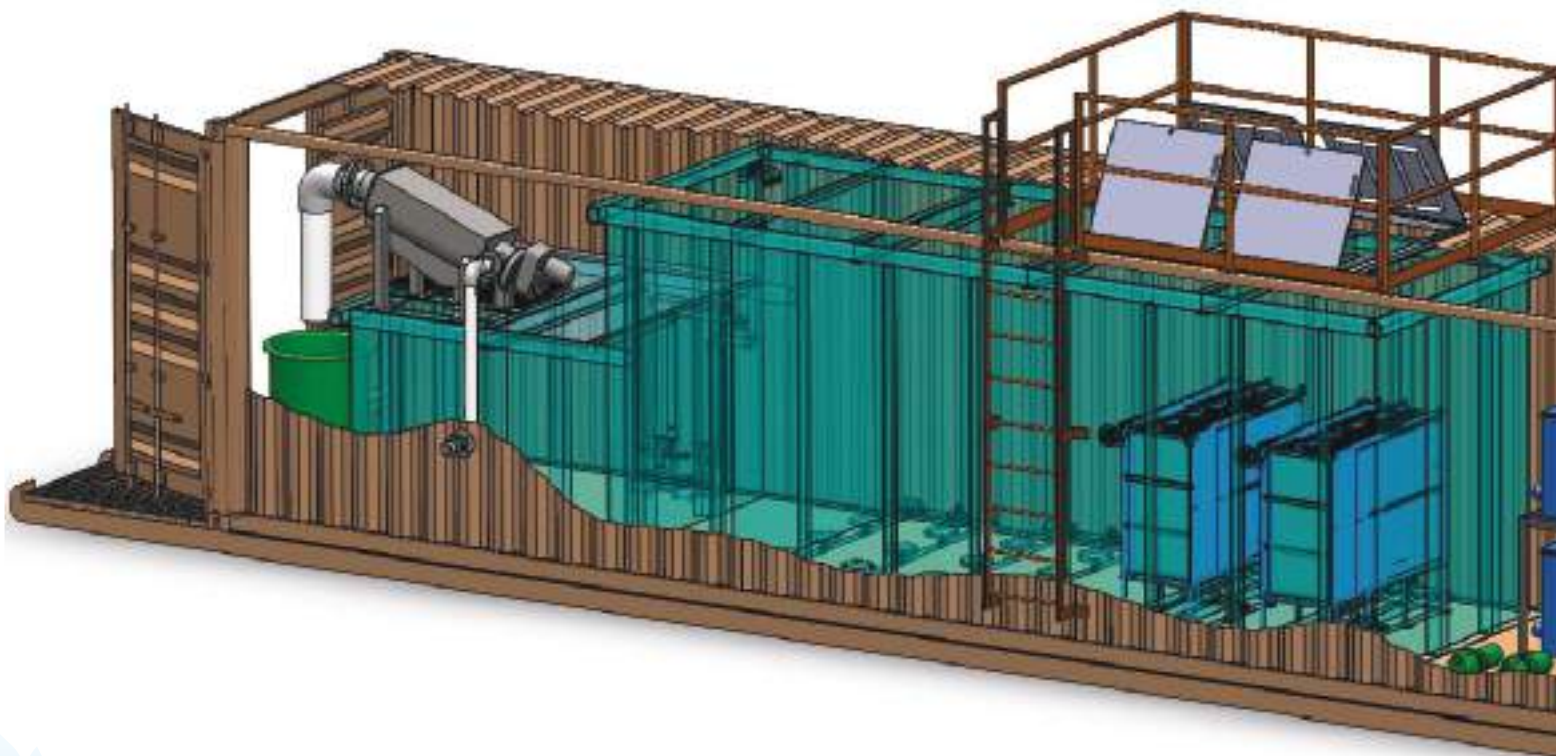
Optional Devices

Pressure Transmitters
Flow Transmitters
Remote Monitoring and Control Capabilities

Container Reverse Osmosis Systems



Mobile Reverse Osmosis Systems are often preferred in space-consuming operations due to their ease of transport and compact size. These systems are not only suitable for their simple installation and operation but also for their operational and maintenance benefits. Containerized osmosis systems are pre-installed, ready-to-use systems that include all mechanical and electrical installations within the container. By simply connecting the water inlets and outlets, these mobile systems can be placed anywhere and relocated at any time. In addition to the water treatment system, insulation, air conditioning, and lighting installations are also provided.



Mobile Design River Water Treatment Systems



DRINKING WATER: Where you need it, and if available, how you want it

Trailer WCU Systems are easy to transport, cost-effective, and user-friendly. They are preferred for providing high-quality water. As **WOOTER**, we can manufacture these units in various capacities to supply water to end users. Designed according to your capacity needs and technical requirements, **WOOTER** has the capability to offer the most efficient solution when it comes to water. Our most popular solution is the Water Compact Unit, which can provide 65 m³/hour of product water with 5-8 NTU turbidity and 1-5 mg/L TSS values. These mobile systems are ideal for areas with urgent water needs, such as military or refugee camps, small settlements, and emergency situations like floods or earthquakes.

Applications: Factories, Hotels, Ports, and any type of settlement near surface water sources

Standard Technical Specifications

- Epoxy-coated ST 37 carbon steel body
- Lamella made of CTP / PVC
- Plaster dosing system
- Fast and slow mixing
- Stainless Steel Mixers
- Stairs and Walkway
- Control Panel
- Chlorination System (Liquid / Gas)
- Electromagnetic Flow Meter

Evaporasyon System



Evaporation is increasingly recognized as an alternative process in many water treatment applications. It can be effective for concentrating or removing salts, heavy metals, and various hazardous substances from a solution. Additionally, it can be used for recovering valuable by-products from a solution or for concentrating liquid waste before further processing and final disposal. The technology often produces high-quality, reusable distilled water, which is a significant feature for water conservation.

During evaporation, a portion of the solvent, typically water, is evaporated, leaving behind a concentrated solution known as a saline liquor, which contains nearly all of the dissolved solids or substances from the original feed. The process can be carried out naturally in solar evaporation ponds or using commercially available evaporation equipment.

Water Reuse:

In this field, evaporation has several advantages over traditional physical-chemical processes, one of the most significant being the high quality of distillation. Most installations can produce distillate with TDS less than 10 mg/L, and in some cases, less than 2 mg/L.

Water recovered from a single evaporator not only meets most discharge specifications but is also almost always recyclable for reuse in production and cooling applications. In a metal plating facility, distilled material has been recycled as process rinse water at a volume ten times less than the amount of city water required for the process.

Evaporator Applications:

Zero Liquid Discharge

Water Reuse

Metal Plating

Bottle Filling Line



Bottle Filling Line

WOOTER offers standard Machine for PET Bottle Filling Line. For Carbonated/Static Water, Oil and Juice.

WOOTER Series and Products

- Bottle Blowing Machine
- Uncrambler and Air Conveyors
- Monoblock System for Carbonated and Non-Carbonated Systems (Rinsing, Filling, and Capping)
- Object-Avoiding Bottle Inspection Machine (for Metal, Plastic, and Carton)
- Shrink Sleeve Labeling Machine
- Carbonated Water Mixer
- Flavored Water Mixing System

WOOTER Scope of Supply (Turkey Project):

- Design
- Engineering
- Supply of All Equipment
- Installation and Commissioning
- Commissioning of the Complete Facility
- Staff Training
- Warranty
- After-Sales Service

Ultrafiltration Systems



Ultrafiltration (UF) modules have a pore size of 0.02 microns, which means particles larger than this pore size, including viruses and bacteria, are removed by the UF membrane. Ultrafiltration Systems are an excellent Wooter method for suspended solids (SS), total organic carbon (TOC), turbidity, bacteria, viruses, and other microorganisms without causing any changes to the chemical properties of the water.

UF systems are more compact with high performance and treatment efficiency. System capacity can be easily upgraded in UF systems. UF modules are installed vertically. In WOOPER designs, all backwashing and chemical cleaning processes are performed automatically.

In addition to surface water treatment, UF systems can be used to pre-treat data before feeding into traditional biological wastewater treatment units or RO systems and play a significant role in wastewater recycling systems.

UF systems are also used for pre-treatment in seawater RO systems, as a disinfection unit in the beverage industry, in the food industry, in natural water bottling plants, for indirect disinfection of water, and in many specialized processes.

They also play an important role in the design of specialized wastewater recovery systems in MBR-based water recovery processes.

Application Areas: Water bottling factories, greenhouse and dewatering, textile industry, residential areas, drinking water facilities, hotels, Camping, schools, boiler feed water, wastewater recycling, other industrial

Advantages of Ultrafiltration Systems / Conventional Filtration

- Less space required
- Flexible system design
- Lower operating costs

Standard Technical Specifications

- Vertical UF Membrane Module
- Stainless Steel Chemical Cleaning Pump
- Automatic Chemical and Backwashing Units
- Electric Actuator Valves
- Pressure Gauges
- Pressure Transmitter for Differential Pressure Control
- Control Panel with PLC
- Stainless Steel / Epoxy Coated ST 37 Skid
- Carbon Steel

WOOTER OPERATIONS



DISSOLVED AIR FLOTATION (DAF)

The process involves dissolving air under pressure into water or wastewater and then releasing the air at atmospheric pressure in a flotation tank. There is an option to design the system as a Chemical DAF. Materials can be stainless steel, concrete, or polyethylene. Components such as the recirculation pump and pressure tank are made of stainless steel. The minimum design capacity is 10 m³/s, and the system is fully automated.



PROTECFILTER

Protecfiter uses fibers of varying diameters to create a pore size distribution between coarse (upstream) and fine (downstream), all made of polypropylene, allowing for 99.9% particle retention with absolute filter rates. Filters are compatible with a wide range of fluids and can be used in water filtration, beverage industry, pharmaceutical industry, chemical industry, oil industry, and as a pre-treatment unit for Reverse Osmosis.



OZONE GENERATOR

When dry air or oxygen flows between electrodes, oxygen atoms become ionized, and ozone forms through the recombination of ionized oxygen atoms with oxygen molecules. The system operates at 25g/hour and multiples thereof. The system is manufactured in stainless steel and operates as a plate-type unit.

WOOTER TECHNOLOGIES

ULTRAVIOLET DISINFECTION (UV)

Ultraviolet radiation disinfection is used to eliminate microorganisms from water without adding chemicals or oxidants. The system uses low-pressure mercury lamps to produce short UV wavelengths to eradicate bacteria, protozoa, viruses, molds, fungi, algae, and their larvae.



MINERALS

Quartz Sand
Activated Carbon
Anionic / Cationic Mix-bed Ion Exchange Resin
Anthracite
Birm
AquaMandix
Dolomite
DOSING PUMPS



DOSING PUMPS

Dosing pumps include options for on/off, flow, pH, and ORP control, with level control input, suction and mounting kits, and a digital display option. Flow range is 0.4-54 liters/hour. For larger capacity systems, mechanical diaphragm dosing pumps with a flow range of 15-500 liters/hour can also be supplied.



Membran Bioreaktör



Membrane Bioreactors (MBRs)

Wastewater can be reused in industries depending on the quality and quantity of the wastewater. MBR systems are a popular treatment option for wastewater in hotels, hospitals, laundries, agricultural and landscape irrigation, recreational pool systems, high nitrogen content landfill leachate, and greywater recovery. Essentially, MBRs are an advanced version of activated sludge systems with added membrane filtration.

These systems can remove turbidity, pathogens, and viruses, ensuring that wastewater meets the required standards for BOD, SS, and nitrogen.

What are Membrane Bioreactors (MBRs)?

A Membrane Bioreactor (MBR) generally refers to a wastewater treatment process that integrates a perm-selective membrane, such as microfiltration or ultrafiltration, with a biological process, typically a suspended growth bioreactor. MBRs are distinct from 'polishing' processes where the activated biomass is used in a separate tertiary treatment step.

Most commercial MBR processes available today use the membrane as a filter, reshaping the solids developed by the biological process to produce clean, disinfected effluent.

Advantages:

Reduction in Secondary Clarifiers and Tertiary Filtration: MBRs eliminate the need for secondary clarifiers and tertiary filtration processes, reducing the facility's footprint. In some cases, the footprint can be further reduced by eliminating other process units, such as clarifiers or UV disinfection, depending on regulations.

Extended Sludge Age: Designed to extend the sludge age, MBRs produce less sludge.

High Wastewater Quality: Provides high-quality effluent.

High Loading Rate Capacity: Capable of handling high loading rates.

Applicability

Membrane Bioreactor (MBR) Systems

Membrane bioreactor systems are widely used in municipal and industrial wastewater treatment plants. Additionally, MBRs are suitable for leachate treatment from landfills. They are advanced technology systems that require expert design and professional operators.

Rotary Biodisk



RBC (Rotating Biological Contactor) systems are highly stable and efficient solutions for wastewater treatment. These systems are commonly used either as a secondary treatment process following traditional domestic black or grey water treatment using activated sludge processes, or for decentralized treatment in small to medium-sized residential areas, industries, or institutions. RBCs are highly effective at removing biologically degradable organic pollutants as well as high-strength industrial wastewater.

The systems are made from fiber-reinforced polyester, which addresses concerns about deterioration from the corrosive effects of alkaline substances and harsh environmental conditions, including UV radiation. For systems made of steel, common concerns such as periodic painting and maintenance are replaced with corrosion-resistant polyethylene, a material preferred in the chemical industry for storing harsh chemicals. Together, these advantages result in a nearly indestructible Wooter facility with minimal or no maintenance issues.

One of the most important features of the RBC system, which is not found in any other packaged wastewater treatment alternatives, is its ability to increase the system's capacity simply by adding additional disks or modular compartments for 10, 100, or 250 equivalent persons. Additional capacity can also be achieved using an optional frequency converter to increase the rotation speed of the disks.

Thanks to its modular design, this packaged wastewater system can reduce capacity at low flow rates by bypassing unused compartments and directing waste energy to the last modular unit to convert it into valuable energy. Its modular nature also makes it easily relocatable in the case of operational repositioning.

Chemical Water Treatment



Industrial Water Treatment Chemicals

We offer a comprehensive range of advanced chemical solutions for every stage of your industrial water operations. From raw water intake or pre-treatment for beneficial makeup to wastewater disposal, **WOOTER** can provide a customized chemical treatment program tailored to your unique system requirements. Wooter truly excels when it comes to the application of chemical solutions and technologies. Water treatment is a science, but the optimal diagnosis and selection of the Wooter program can be an art. Learning how to assess a water system and determine the potential for corrosion, scaling, or fouling of various heat transfer surfaces requires years of field experience.

A water treatment chemical program must be customized and applied with great care. We regularly monitor the water quality in our customers' systems and provide prompt recommendations for adjustments as needed.

Raw Water and Wastewater Chemical Programs

WOOTER's chemical programs for raw water and wastewater treatment are designed to remove both suspended and dissolved solids from industrial and wastewater. These programs are specifically tailored to help our customers protect their systems and environments, and to comply with state and government discharge regulations.

There are several methods for separating solids and liquids in influent and effluent waters. Mechanical methods may include sedimentation, filtration, flotation, and straining. Coagulation and flocculation chemicals are used in the treatment process for water purification, lime softening, sludge thickening, and the dewatering and removal of solids. Additionally, we offer specific chemical treatments for various industrial wastewater needs, including removal of heavy metals, oil/water emulsions, odor control, and foam suppression.

Applications: Boilers, Cooling Systems, Pre-Treatment, Raw and Wastewater.

Chemical Water Treatment

Chemical Treatment for Boilers

WOOTER's field engineers offer the highest level of boiler treatment expertise available. Our entire range of boiler chemicals is designed to keep your system free from scale and corrosion, giving you more time to focus on what matters most. When it comes to the operation of your boiler system, both corrosion and scaling can be serious issues. The formation of deposits such as scale and sludge in the boiler system can lead to high metal temperatures that cause pipe failures and restricted circulation. Corrosion in the boiler system can lead to localized pitting and/or thinning of pipe and tube surfaces, resulting in leaks and pipe failures. Both issues significantly reduce the efficiency of a system and jeopardize the reliability of a boiler. **WOOTER's** boiler chemicals can address these problems effectively when properly applied by one of our local field engineers.

Cooling Tower Water Treatment

Our chemical programs are effectively used to reduce and prevent the three main issues your industrial cooling water system may encounter: corrosion, scaling, and microbial growth. Corrosion leads to metal loss that can cause critical system failures in heat exchangers, recirculating water pipes, and process cooling equipment. Corrosion also results in efficiency losses as corrosion products accumulate on heat transfer devices. Cooling towers are vulnerable to various contaminants that cause deposit formation, such as mineral scales and sludge. Scaling interferes with heat transfer, increases corrosion rates, restricts water flow, and leads to process inefficiency and production losses. Biological organisms, including algae, bacteria, protozoa, and fungi, often find ideal breeding grounds in cooling towers. If not properly controlled, biological growth can provide a natural surface for scale formation and lead to fouling. All these conditions can be severely problematic when optimizing the efficiency of your cooling tower or system. **WOOTER's** entire range of cooling water chemicals can provide excellent protection against these cooling system challenges.

Pre-Treatment

The chemical treatment of your makeup water using one of our programs is essential for optimizing the success of any filtration or membrane system. A pre-treatment program from a **WOOTER** field engineer may include filter application, water softening, or both. A good filtration process for industrial reverse osmosis membranes is necessary to remove suspended solids, colloidal material, and metals that cause more frequent cleaning and replacement. Water softeners remove calcium and magnesium ions from makeup water. If not properly treated, these ions can form insoluble compounds that precipitate within the system.



Package Waste Water Treatment System



Packaged Plants

The term "packaged plant" refers to water treatment facilities that are built and assembled in a factory and then shipped and installed as a complete unit, effectively "pre-packaged."

Container-type reverse osmosis systems are preferred in locations where space saving is crucial, and where ease of transportation and the elimination of additional construction requirements are beneficial. These systems offer advantages in installation, commissioning, operation, and maintenance.

Container-type reverse osmosis systems include all necessary components within a single container, with mechanical and electrical installations pre-drawn and ready for operation. They are mobile systems that can be connected to water intake, discharge, and waste lines, and can be relocated and disassembled as needed. In addition to the treatment system, containerized systems come with insulation, climate control, and lighting facilities.

Packaged Wastewater Treatment Systems:

Steel Construction (ST 37 Carbon Steel, AISI 304, AISI 316L/Ti Stainless Steel)
Plastic Construction (HDPE, PP)
FRP (Fiberglass Reinforced Plastic)

Applications:

Water Filling Plants Irrigation and Greenhouse Operations, Textile Factories, Hotels, Camps, Schools, Boiler Feed Water Preparation, Water Recycling Systems, Other Industrial Processes

Standard Technical Specifications:

- Epoxy Coated Carbon Steel Body
- Basket Screen
- Blower and Diffuser
- Bend
- Sludge Recycle Pump
- Chlorine Dosing System
- PLC Control Panel



HYDRODIS R 859 ANTISCALANT

HYDRODIS R 859 ANTISCALANT is the only non-equivalent product worldwide that prevents 100% membrane fouling in reverse osmosis systems. Its excellent distribution and performance as a deflocculant ensure significantly better homogeneity by dispersing solid particles and colloidal particles in the water flow.

It has been proven to achieve 75% to 90% removal of high silica and iron in seawater, well water, and river water reverse osmosis systems. Due to this success, installations using HYDRODIS R 859 ANTISCALANT do not require membrane cleaning. Additionally, the low dosage of HYDRODIS R 859 ANTISCALANT is economical.

Supply Water Supply	BW	SW
CaCO_3	***	***
CaSO_4	***	***
$\text{BaSO}_4 / \text{SrSO}_4$	**	**
SiO_2	**	**
CaF_2	**	**
$\text{Ca}_3(\text{PO}_4)_2$	***	***
Kirlenme Önleme	***	***
Fe / Mn	***	***

*** Excellent

** Very Good

** Good

Automatic Backwash Filter



Depending on the required subtraction rate, particles from their structures or it is filtered independently of their density. The accumulated on the filter is removed particles 100% backwash efficiency it is vacuumed with. Backwashing process pressure depends on the difference. Backwashing process during filtration is continuous. Filter according to the required filter precision, the element it can be easily changed.

Application

Ballast Water Filtration, Petrochemical Paper Industry, Sugar Industry, Metal Processing Facilities, Sea Water, Plastic Industry, Food and Beverage Industry, Energy Power Plants, Waste Recycling

Product Specifications

Product Code	Flow (m ³ /h)	Filtration Sensitivity (micron)	Pressure(bar)
F-40	1 – 40	10 – 300	6 – 10
F-80	40 – 80	10 – 300	6 – 10
F-120	80 – 120	10 – 300	6 – 10
F-180	120 – 180	10 – 300	6 – 10
F-250	180 – 250	10 – 300	6 – 10
F-350	250 – 350	10 – 300	6 – 10
F-500	350 – 500	10 – 300	6 – 10
F-750	500 – 750	10 – 300	6 – 10
F-1000	750 – 1000	10 – 300	6 – 10
F-1200	1000 – 1200	10 – 300	6 – 10

River Water Treatment Systems



Units are typically installed along a surface water source (river or lake). When delivered to the facility, the units are manufactured with a coated soft steel construction, ready for assembly.

WOOTER Compact water treatment units are designed in standard ISO containers, making them suitable for transportation and easy installation. Standard capacities range from 50-200 m³/hour. These units can be scaled up for larger installations.

Compact Water Treatment Plant: This system includes coagulation, flocculation, sedimentation, filtration units, and a disinfection station.

Applications: Factories, hotels, ports, and any settlements close to surface water sources.

Standard Technical Specifications:

- Body: Epoxy-coated ST 37 carbon steel from GRP/PVC
- Lamella
- Sludge Dosing System
- Fast and Slow Mixing
- Stainless Steel Mixers
- Staircase and Walkway
- Control Panel
- Chlorination System (Liquid/Gas)
- Electromagnetic Flowmeter

WOOTER TECHNICAL SERVICE

After installing the system, we know the work isn't finished. WOOTER provides comprehensive start-up, pre- and post-planning, engineering, operation, consulting, and technical service. Should you encounter any unexpected issues with your system, even if the original system was not supplied by us, we are happy to assist with your needs.

The WOOTER technical service team is available to answer all your technical questions.



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