

Rielli

WATER TREATMENT PLANTS





Profit generating, innovative, environment friendly ...

Kazancı Environmental Techniques was founded in 1993, particularly with the purpose of rendering engineering and contracting services in water treatment and recycling in the environmental industry.

With our team committed to the principle of acting with an environmental awareness and never losing their devotion and enthusiasm from the very first day, our company became a leader in the industry in short time with your trust and support.

Fully aware of our accomplishment and our responsibilities, we are determined to always improve the standards in the industry.

Certificates we have been awarded from related institutions, each authorized in their own areas, form the highest-level confirmation of our products' quality and importance we attach to our work.

- **ISO 9001:2015** Quality Management System certificate establishing our standards in company management
- **CE** certificate proving that when appropriately used, our products shall not pose any risk to the user.
- **TSI** Service Qualification Certificate
- **ISO 14001:2015** Environmental Management System certificate proving the importance we attach to the environment.
- **ISO 45001:2018** Occupational Health and Safety Management System certificate proving our company's compliance with the Occupational Health and Safety standards.

Aligned with our achievements in Turkey, we are successfully continuing the growth of our brand in global markets, across various platforms and projects in different geographies.

We take pride in Rielli being a globally recognized and respected brand in water recycling and purification, holding a strong position in global competition.

For over 30 years, we have been conducting all our activities based on our fundamental principle, 'We provide our customers with innovative features that generate profit and are always eco-friendly.'

Each project we complete is both a significant source of pride for us and a steppingstone for our next success.

We look forward to collaborating with you on profit generating, innovative, environment friendly projects tailored for your business requirements.



CONSTANT INNOVATION

INNOVATION

INNOVATION ALWAYS

- **Innovative approach**
- **Distinctive design**
- **Product diversity**

Our team continues to break grounds in their industry as the leader of the advancing technology.

We care about the world we live in when designing the systems and reflect this spirit to each system we manufacture with environmental awareness.

We excellently analyze the demands of our customers and improve our product range with each product and system we import and manufacture day by day with prospective accurate predictions.



R&D

ENGINEERING

HIGH QUALITY

- **Quality first**
- **Solution-oriented approach**
- **Customer satisfaction**

Our team diligently offers you the distinctions of their quality approach in every product they design and every service they render.

We act according to your needs and fulfil the responsibility we assume throughout the entire process from the manufacture to sale and to on-site installation of the systems.

We offer you timely, rationalistic and permanent solutions..

EXPERIENCE

TECHNIQUE

- **Laboratory services**
- **Turn-key projects**
- **After-sale services**

Starting from the estimation, we analyze the water samples we take during our after-sale service visits free of charge at the laboratories we have established to serve you better. We offer you turn-key projects with an approach of the service quality based on professionalism. With our technical service team formed of qualified employees, we support you in meeting the demands such as operation, periodic maintenance and replacement of already installed systems.

100% RELIABLE

MANUFACTURE

Each product we manufacture under Rielli brand is manufactured with a durability to serve you for many years using state-of-the-art technology. Every product we manufacture first passes all of the quality and durability tests at our factory and then offered for your use. Collaborating with our manufacturing unit, our R&D department enables us offer you quality and economic products utilizing technologic advancements.



REVERSE OSMOSIS (RO) PLANTS



REVERSE OSMOSIS (RO) PLANTS

All components and software used for the Rielli reverse osmosis plants are supplied from specially selected manufacturers directly and in high quantities and for fair price.

The Rielli Reverse Osmosis System earns when you buy and improves your competitive power with the equipment integrated by the Rielli engineers and experts working under an experience and corporate culture of 30 years.



Blue Line Reverse Osmosis System

Drawing attention with its esthetic design, the Rielli Blue Line Reverse Osmosis Systems are of suitable size and portable for limited spaces with its ergonomic design. While it is capable of being monitored from two separate digital and analogue displays, it enables all controls with single touch via its wide digital display. Remotely controllable using all your devices through cloud technology, the smart Blue Line Reverse Osmosis Device is more economic when compared with other reverse osmosis devices in addition to all of its other advantages.





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MEMBRANE BIOREACTOR
PLANTS (MBR)



MEMBRANE BIOREACTOR PLANTS (MBR)

Rielli Membrane Bioreactor Plants (MBR) enables advance biologic treatment of waste water by combining biologic wastewater treatment with submerged membrane technology.

The MBR technology is one of the most suitable solutions for enhancing the capacities of existing wastewater treatment plants without requirement of further construction.

5-years guaranty

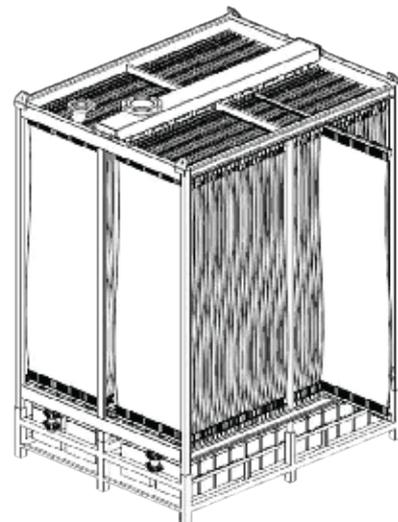
MBR Modules



MBR membranes operating with high efficiency are used in Rielli MBR plants. The membranes are supplied directly and for fair price from Litree, the world's leading membrane manufacturer, and offered for the use of customers.

50% energy savings

***The MBR with the lowest energy consumption in the industry**



Advantages

- Filtering sensitivity of 0.02
- Low energy consumption
- Long service life
- Unbreakable and non-clogging membrane structure



Rielli

MOVING BED

BIOFILM REACTOR (MBBR)

MOVING BED BIOFILM REACTOR [MBBR]

Used in domestic and industrial wastewater systems, the MBBR (moving bed biofilm reactor) a simple structure system installed using thousands of moving polyethylene biofilm bearing chips added into a treatment tank without requirement of a further plant installation or construction.

Rielli MBBR Plants

Biochips manufactured with state-of-the-art German technology with proven quality and efficiency by many scientific articles are used in Rielli MBBR plants. Thanks to these special chips with an active surface area of $4850 \text{ m}^2/\text{m}^3$, high efficiency plants can be established using $\frac{1}{4}$ area of a standard MBBR in addition to the advantages of the known MBR plants.

Smaller basins can be designed when compared with precedents in the plants using the biochips .

MBBR established using biochips with the highest active surface area.



Advantages

- Simple operating system
- Easy capacity enhancement
- Low initial investment cost
- Space and cost saving
- Stable nitrification



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ULTRAFILTRATION
PLANTS [UF]

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ULTRAFILTRATION PLANTS [UF]

These are units used for treating the particles and turbidity such as SS (suspended solids) and removing microorganisms in water by filtrating through a special membrane with a precision of 0.01 micron.

With the smallest pore size in the industry thanks to its filtrating sensitivity of 0.01 micron, Rielli Ultrafiltration Units hold and stop all microorganisms including SS and viruses.

The only ultrafiltration device that stops even viruses

with its membrane filtrating sensitivity of 0.01 micron

Also used in recycling of wastewater, Rielli Ultrafiltration plants are usually used in treatment of drinking water, water bottling plants and particularly treatment of water before reverse osmosis.

Rielli UF Plants are manufactured by integrating highly efficient synchronized equipment specially selected for Rielli in accordance with various areas of use and application types such as immersion and pressurized, inside-out and outside-in flows.

The UF plant with the most precise pores





Rielli

WATER SOFTENING
AND DEMINERALIZATION



WATER SOFTENING AND DEMINERALIZATION

Providing continuous softened water, Rielli tandem water softening systems,

Protects devices and installation against limescale, extends economic life.

Enables two types of time and flow rate control with digital display valve feature.

Valves with long economic life requiring less maintenance.

Operable at high flow rates and backwash waters.

Prevents energy loss by improving effectiveness of installation and helps reduce costs.



In a water treatment system, filters essential for improving effectiveness of subsequent stages, when correctly selected, reduces load of successive systems, improves efficiency of the device and decreases costs.

Thanks to strategic co-operations of many years, Rielli softening filters are supplied directly from the manufacturer at high quality and for fair price.

All equipment used in the Rielli water softening and filtration devices are manufactured fault-free by passing all functionality tests including compatibility and exceptional actions at many quality and integration stages until the final product.



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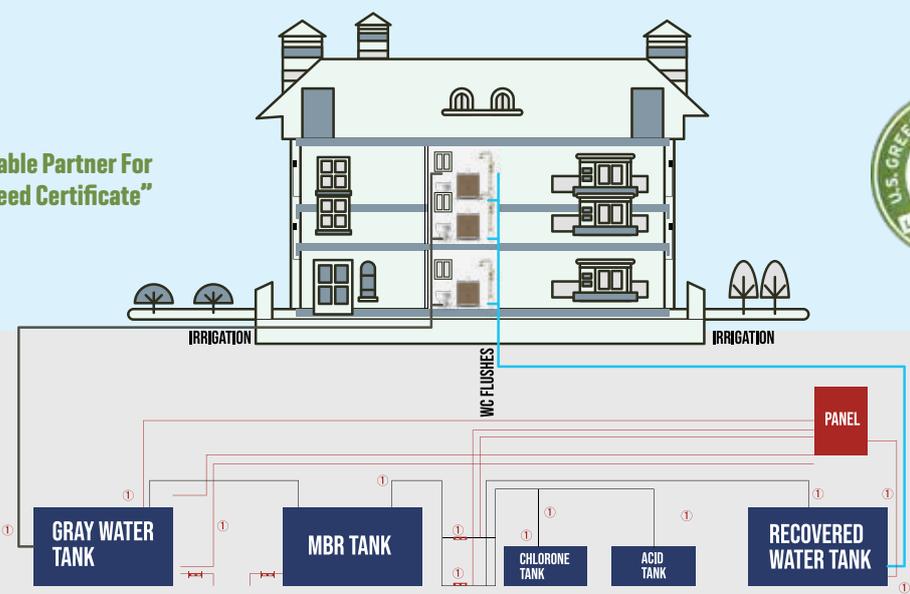
GREY WATER
RECOVERY & RECYCLING



GREY WATER RECOVERY & RECYCLING

Water from WC sinks and showers is called grey water and, consists of 40% of the consumption for people in buildings. It is important to choose the right technology to treat this grey water as when treated properly it can be used for many purposes, such as irrigation toilet flushes and etc. In this regard, where simple ventilation and filtration solutions cannot provide sufficient efficiency, Rielli MBR technology has been effectively and efficiently recycling grey water for years.

**"Your Rebliaible Partner For
Leed Certificate"**



- With the Rielli MBR type grey water recycling plants: Odorless and non-staining water is generated
- The BOD level of the recycled water is less than 5 mg/lt and, it never stinks
- Quality of the recycled water is most of the time higher than that of the raw water
- Savings of up to 40% on water bills can easily be reached
- Investment pays off within a period of 12-16 months
- Much less energy consumption thanks to its advanced MBR technology
- Easy to operate and maintain
- Requires much less maintenance and consumables during its long service life
- Rielli MBR technique is used to recycle grey water.



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DESALINATION PLANTS &
WATERMAKERS



DESALINATION PLANTS FROM 70 lt/hr TO 70 CBM/hr AND MORE

The generation of potable water from well water and seawater with a high level of salinity is becoming a widely used application due to certain reasons.

Rielli reverse osmosis plants produce potable water from seawater and highly brackish the well water.



OUR SOLUTIONS

Industrial Process Water
Purification



Desalination and
Watermakers

Grey Water
Recovery &
Recycling





Potable Water Treatment



Greenhouse and Horticulture Water Supply

Process Water Generation from Wastewater

Recycling of Filter Backwash Water

Libya

RO Plant with a capacity of **1000 m³/day**, produced for well water treatment in Libya



Central Africa Republic

Containerized UF plant with a capacity of **384 m³/day** produced for Dubai



Djibouti

RO Plant with **504 m³/day** capacity for well water treatment in Djibouti



France

Our Containerized RO plant with a capacity of **96 m³/day**, produced for well water treatment in France



Somalia

RO and Sand Filter System with a capacity of **240 m³/day**, produced for the Turkish Military Base in Somalia for seawater treatment.



Uzbekistan

Our fully automatic RO plant produced for well water treatment with a capacity of **480m³/day**.



Oman

RO Plant with a capacity of **300m³/day**, for Qatar to treat high salinity (6000ppm) well water



30+ years
experience

specialized
staff of
engineers

special
financing
models

fair price
solutions from
manufacturer

use of
advance
technology

unique
user
experience

Rielli

loyalty-oriented
corporate
culture

Rielli

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