



COEQUAL INFOTECH PVT LTD
(A UNIT OF COEQUAL GROUP OF COMPANIES)

COEQUAL INFOTECH PVT LTD delivers innovative and sustainable water purification and treatment solutions with expertise in advanced filtration and wastewater management.




COMPANY PROFILE

COEQUAL INFOTECH PVT LTD is a leading provider in the water purification and treatment industry, offering comprehensive solutions for drinking water plants, wastewater treatment, sewage treatment, bio-sewage treatment, reverse osmosis systems, water treatment plants, and more. As a vertically integrated and professionally managed organization, the company is driven by a team of highly qualified technocrats, engineers, and technicians.

OUR MISSION AND VISSION

OEQUAL INFOTECH PVT LTD is committed to delivering innovative and sustainable water treatment solutions, ensuring pure water, reduced contamination, and efficient recycling. With expertise in advanced filtration, wastewater management, and zero liquid discharge (ZLD) solutions, we provide customized, high-performance systems tailored to diverse needs. Our focus on environmental sustainability and cutting-edge technology enables us to enhance water quality, optimize resource utilization, and contribute to a cleaner, healthier future.

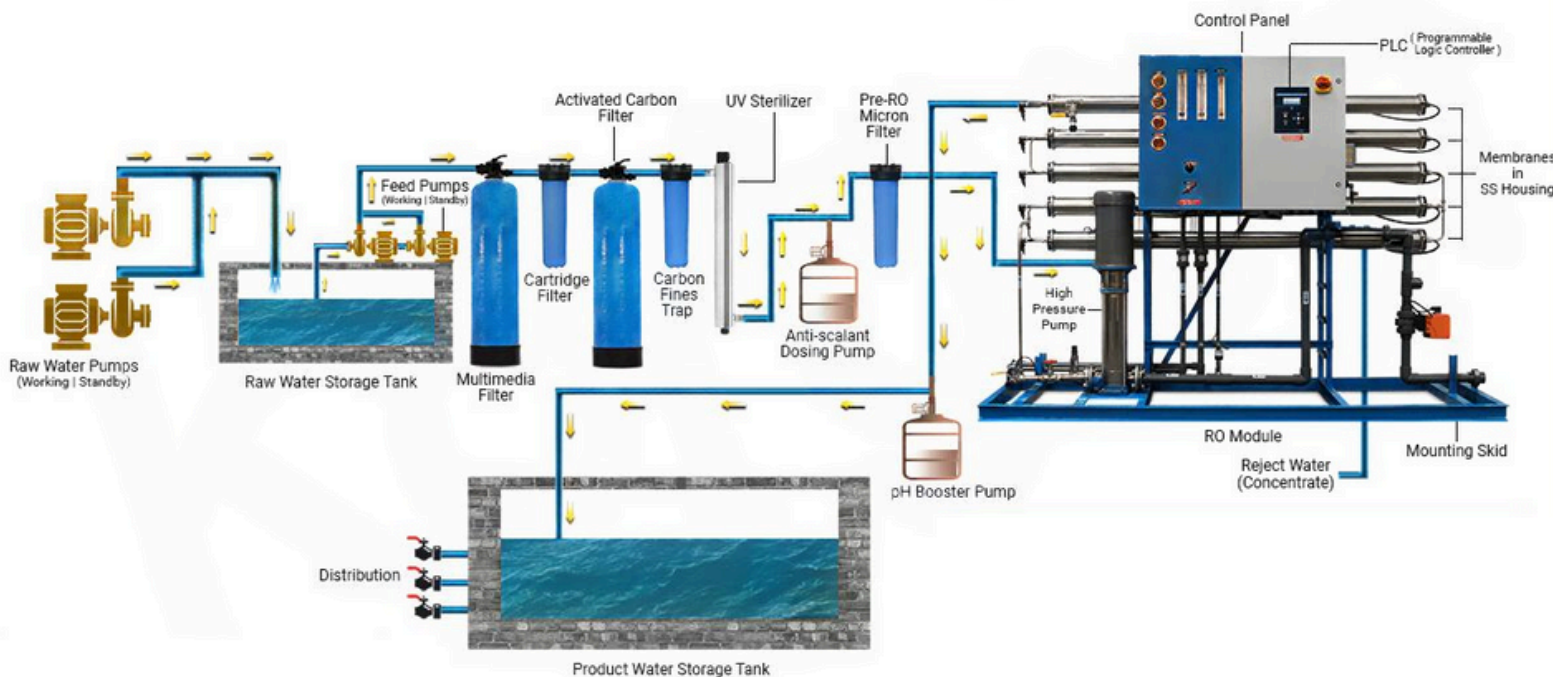




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Reverse osmosis(RO) plant

Reverse Osmosis Plant - Process Flow Diagram



An RO Plant (Reverse Osmosis Plant) is an advanced water purification system designed to provide high-quality, clean water by removing impurities through multiple filtration stages. The system uses Pressure Sand Filters (PSF) to eliminate large particles, followed by Activated Carbon Filters (ACF) to remove chlorine, organic materials, and odors. The heart of the system is the RO Membrane, which efficiently removes dissolved salts, heavy metals, and microorganisms under high pressure. Additional post-treatment methods like UV Sterilizers and Ozonators ensure the water is free from any harmful contaminants.

Ideal for producing purified drinking water, industrial water, or water for commercial use, the RO plant offers high performance, low maintenance, and long-lasting operation. It provides clean, safe water by efficiently filtering out up to 99% of contaminants, making it suitable for both residential and industrial applications.

Raw Water Pump



A raw water filter is a centrifugal pump that is used to transfer water from the source (such as a well, lake or river) to the RO Plant the pump works by creating a pressure difference that drives the water from the source to the RO Plant

Pressure Sand Filter

A Pressure Sand Filter works by forcing water through a bed of 70% sand and 30% pebbles. It removes suspended particles, turbidity, and impurities, delivering clean water for various applications.



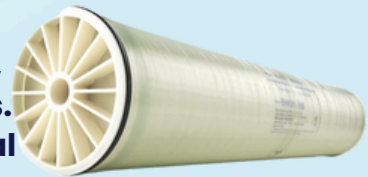
Active Carbon filter



An Activated Carbon Filter uses 70% activated carbon and 30% pebbles to remove chlorine, organic compounds, odors, and contaminants, improving water taste and quality for industrial or domestic use.

Membrane

Reverse osmosis (RO) membranes remove contaminants by using tiny pores that allow only water molecules to pass through, filtering out impurities like salts, chemicals, and microorganisms. This process produces clean water suitable for drinking, industrial use, or other purposes, ensuring high-quality and safe water.



High Pressure pump



A high-pressure pump in an RO plant forces water through the reverse osmosis membrane at high pressure, overcoming osmotic pressure to remove salts, contaminants, and impurities, ensuring purified water.

Stainless Steel Tank

A stainless steel tank in an RO plant stores purified water, ensuring hygiene and durability. It resists corrosion, maintains water quality, and is ideal for food-grade and industrial applications.



Synthetic Tank

A synthetic tank in an RO plant stores water efficiently, offering lightweight, corrosion-resistant, and cost-effective solutions. It's ideal for maintaining water quality in domestic and industrial applications.



Control Pannel

The control panel in an RO plant automates and monitors the entire process, managing pumps, regulating pressure, and ensuring safety. It oversees water flow, filtration, and cleaning cycles, optimizing efficiency and ensuring consistent performance with minimal manual intervention for reliable water treatment operations.



Ultra violent Filtration

UV filtration in water treatment uses ultraviolet light to kill bacteria, viruses, and microorganisms without chemicals, providing safe, pure, and disinfected water for drinking and other uses.



Transfer Pump

A transfer pump in an RO plant moves water between different stages or tanks efficiently. It ensures a steady flow, supports processes like filtration, and maintains system performance and reliability.



ATM Machine

An ATM machine in an RO plant is a water vending unit that provides purified water when users make a payment. It operates with automated controls, including a payment system (coin) flow sensors, and dispensing mechanisms. After payment, the system releases a set quantity of filtered water. The machine is user-friendly, ensures hygiene, and offers easy access to clean drinking water.



QR Machine



A QR-enabled machine in an RO plant is a water vending unit that dispenses purified water upon QR code payment. Users scan the QR code, make the payment, and the system automatically releases the selected quantity of filtered water. Equipped with flow sensors and automated controls, it ensures hygiene, convenience, and easy access to clean drinking water.

Fully SS Ro Plant

A full SS (Stainless Steel) RO (Reverse Osmosis) plant uses stainless steel components for water purification. It removes impurities through a semi-permeable membrane, ensuring clean, safe drinking water.



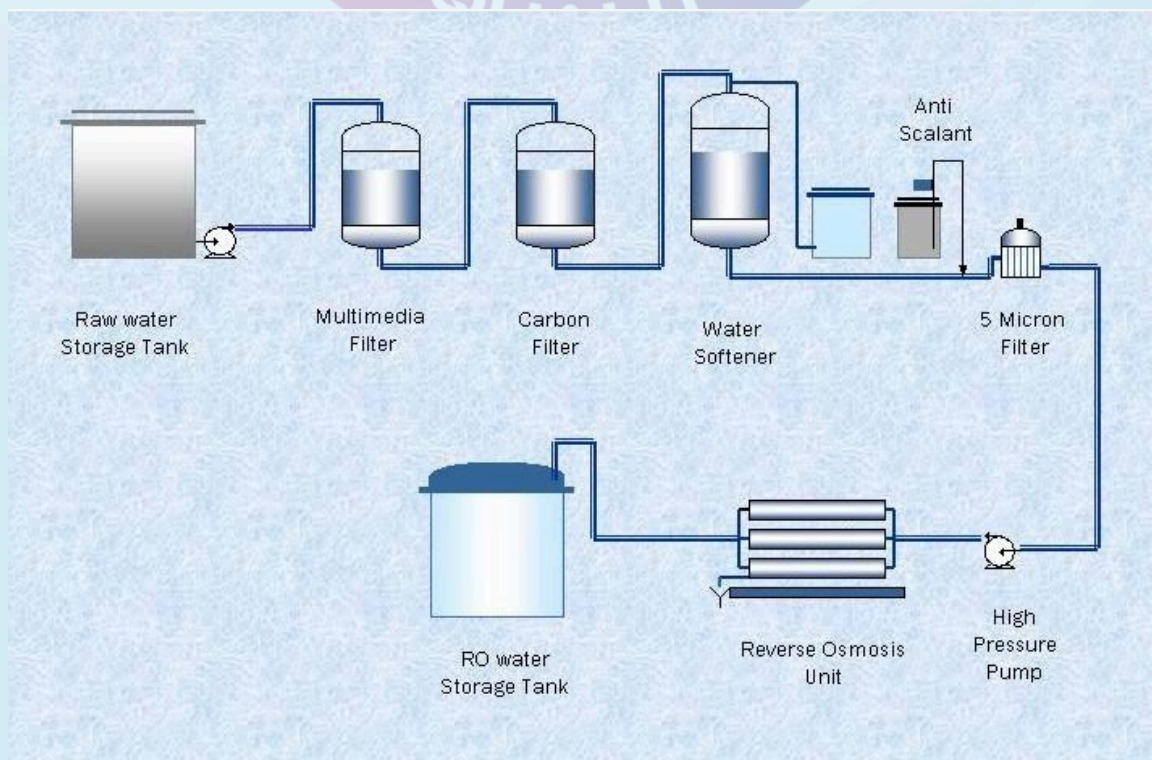


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TREATMENT PROCESS

1. **Pre-Filtration:** Removes dust, sand, and big particles using a sediment filter.
2. **Carbon Filtration:** Removes chlorine, bad taste, and odor.
3. **High-Pressure Pump:** Pushes water into the RO membrane at high pressure.
4. **RO Membrane:** The heart of the system — filters out salts, bacteria, heavy metals, and dissolved solids.
5. **Clean Water (Permeate):** Safe, purified water is stored or used directly.
6. **Reject Water (Brine):** Wastewater with all the removed contaminants is drained or reused if needed.

HOW DOES REVERSE OSMOSIS (RO) PLANT WORK





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WE MANUFACTURES

- Water Treatment Plants
- Sewage Treatment Plants
- Effluent Treatment Plants
- Demineralized Plant
- RO Plant
- Package Drinking Plant
- Carbonated Soft Drink
- Goli Soda
- Pet Blower Machine
- Diesel Exhaust Fluid (DEF)

ADVANTAGES OF WORKING WITH COEQUAL INFOTECH PVT LTD

- All Machinery under one roof
- Transparency in Processing Documents
- Step by Step Consultation
- Onsite training on Testing & Hygienic Practices
- Round the clock service backup
- Periodical factory visits & Audit
- Annual Maintenance contract for machinery

OUR PRESTIGIOUS PROJECTS

- INDIA SHOES PVT LTD (STP)
- TATA (WWTP / STP)
- KALASALINGAM UNIVERCITY (STP)
- VELS COLLAGE OF MEDICAL (STP)
- CHEVROLET (ETP)
- RVI Towers (STP)
- Mother Kitchen (STP) Zenith Kitchen (STP) CRCL (STP)
- ELIOR (STP)



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- PARRY'S DRINKING WATER PLANT (CHENNAI)
- SKR AQUA PACKAGED DRINKING WATER (CHENNAI)
- MAYAABAZAR DRINKING WATER (CHENNAI)
- SMART WATER (BANGALORE)
- RELIANCE INDUSTRIES LIMITED
- ZAFLO PACKAGED DRINKING WATER (MALAPURAM)
- AND MANY MORE ...ETC...,


TERMS & CONDITIONS

- Price: - EX- WORK
- Payment: - 80% Advance with Purchase Order and Balance 20% Before Dispatch
- Mode of Payment: - NEFT/RTGS/IMPS/UPI/DD/CQ
- Price Validity: - 10 DAYS
- Material Dispatch: -2-3 WEEKS
- Material Insurance & Transportation: - Customer Scope
- Installation and Commissioning: -We Will Depute the Engineers to Commission the Equipment's, Commission Charge Our Scope
- 1.Electrical Material's, Plumbing Material's, Food, Boarding, Loading, and To FRO Any Tickets Has to Born by Customer Scope.
- 1.Warranty: - 11 Month from The Date of Fabrication Starts, Warranty Against Manufacturing Defects, Any Physical, Water, Or Electrical Damage, It Will Be Not Under Warranty
- 1.Cancellation of Order: - Once the order placed, Payment Will Not Get Refundable If Fabrication get started.
- 1.Packing Charges: - 2% From Actual machine Cost EXTRA



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THANK

YOU





COEQUAL INFOTECH PVT LTD
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Our Valuable Clients



TATA (WWTP / STP)



Aachi Packaged Drinking Water (Chennai)



Bisleri (Avadi)



CHEVROLET

Chevrolet (ETP) (Avadi)



CRCL (STP)



Kalasalingam University (STP)



Vels Collage Of Medical (STP)



IRCTC Drinking Water Plant



Parry's Drinking Water Plant (Chennai)

INDIA SHOES PVT LTD

India Shoes Pvt Ltd (STP)



Smart Water (Bangalore)

**SKR AQUA
PACKAGED
DRINKING WATER**

SKR Aqua Packaged Drinking Water (Chennai)

**ZAFLO
PACKAGED
DRINKING WATER**

Zaflo Packaged Drinking Water (Malapuram)

MOTHER'S KITCHEN

Mother Kitchen (STP)

ZENITH KITCHEN

Zenith Kitchen (STP)

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