



**GREENHOUSE  
AQUATECH**



# It's All About **Water**

Discover the Future of **Clean Water**  
**RO Power for Industrial & Commercial Use**

# Pure Water, Powerful Growth

## Greenhouse Aquatech's Industrial Reverse Osmosis

At **Greenhouse Aquatech**, we acknowledge the crucial role of pristine water in industrial setting. Our commitment lies in delivering unparalleled solutions for water purification, perfectly designed to address the distinct requirements of industries.



## The Industrial (RO) Plant

Industrial RO systems, using semi-permeable membranes, purify water in large-scale settings, eliminating impurities and dissolved solids. vital in manufacturing, food, pharmaceuticals, power generation, agriculture, and more. They ensure high-quality water for processes, supporting crucial industries, Like Power plant, Steel plant, Chemical Industries & Package Industries. Essential in wastewater treatment, they enhance efficiency and adhere to strict quality standards, providing consistent, purified water crucial for diverse industrial applications.



## Why Opt for Our RO Plant?

- Advanced Filtration**  
Our RO plant utilizes cutting-edge membranes from leading manufacturers and filtration processes, effectively eliminating impurities and dissolved solids to provide filtered water.
- Efficiency & Sustainability**  
Designed for maximum efficiency, our RO systems minimize water wastage while consistently delivering top-quality purified water. Sustainability is at the core of our design philosophy.
- Seamless Installation & Maintenance**  
Our expert team ensures hassle-free installation and offers ongoing maintenance to keep your RO plant performing at its best.





## Key Features of Our RO Plant

### High-Performance Membranes

Ensuring superior water purification.

### Modular Design

Scalable and easily expandable to adapt to evolving needs.

### Comprehensive After-Sales Support

Continuous maintenance for sustained efficiency.

### Automated Monitoring

Ensuring efficient operation and control systems.

### Energy-Efficient Components

Reducing operational costs and environmental impact.

## Refreshing Trust: RO Purity in Every Sip

Reverse Osmosis (RO) is vital in the packaged drinking water industry, using a semi-permeable membrane to purify water by eliminating impurities and contaminants. This technology ensures high-quality, safe drinking water by effectively removing bacteria, viruses, and undesirable tastes. Essential for meeting stringent standards, RO guarantees the production of pure and refreshing water, providing consumers with a reliable and safe hydration choice.



## Industry Thrives On Pure Waters

### 🌿 pH Imbalance:

Water with imbalanced pH corrodes equipment, affects chemical reactions, impacting industrial efficiency.

### 🌿 Minerals and Salts

Dissolved minerals like calcium, magnesium, sodium, & salts cause scaling & corrosion in equipment, impacting efficiency.

### 🌿 Microorganisms

Bacteria, viruses lead to biological fouling, contamination, and health hazards if not controlled in industrial settings.

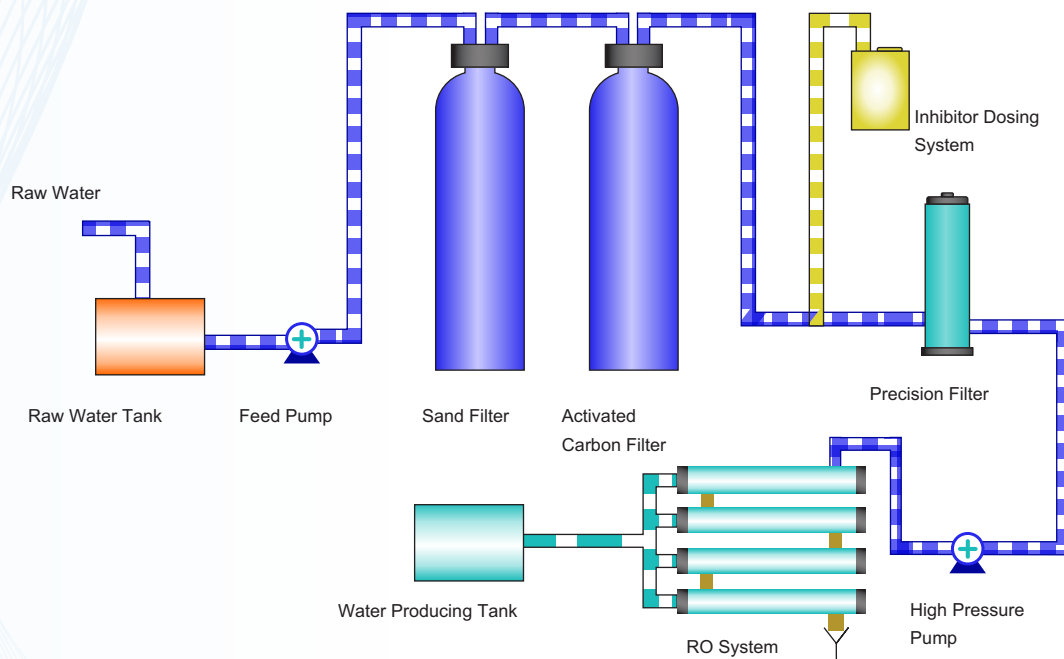
### 🌿 Organic Compounds

Chemical contaminants (pesticides, solvents) affect water quality, posing risks to processes and health if not removed.



## Why Invest in an Industrial RO Plant?

Investing in an Industrial RO Plant ensures consistent, high-quality water supply vital for operational efficiency, equipment longevity, regulatory compliance, and safeguarding against contaminants, scaling, and corrosion in industrial processes.



## Reverse Osmosis Process



# Ro Plants: Precision In Purification



## Pristine Water Quality

Removes impurities for high-quality water crucial in industries

## Tailored Solutions

Customizable to meet specific purification needs



## Regulatory Compliance

Meets industry standards, preventing penalties for non-compliance

## Contamination Reduction

Lowers risks during water transportation/storage



## Long-Term Asset

Enhances operational efficiency and sustainability



## Reverse Osmosis Applications

**1** Packaged Drinking Water Production

**2** Municipal Water Purification

**3** Rural Well Water Purification

**4** Pharmaceutical Water Purification

**5** Industrial Water Purification

**6** Waste Water Recycling

**7** Laboratory Water purification

**8** Food Products & Cosmetic Products

# Invest in Purity, Transform Your Business

Commercial RO refers to Reverse Osmosis systems designed for business or non-industrial use, providing purified water for various commercial purposes. These systems use semi-permeable membranes to remove impurities etc. Commonly utilized in restaurants, cafes, offices, & public facilities, these systems ensure high-quality water for drinking, cooking, & various applications. Commercial RO addresses water quality concerns, providing a reliable supply while reducing dependency on bottled water

## RO Innovation, Commercial Success



### Cost-Efficient Solution

RO tech offers cost-effective on-site purified water

### Quality Consistency

Ensures high-quality water, upholding stringent standards

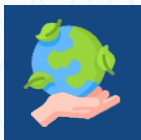


### Enhanced Operations

Prevents damage or downtime, boosting efficiency

### Regulatory Adherence

Enables compliance with industry regulations



### Environmental Sustainability

Reduces plastic use, promoting eco-friendly practices.

### Tailored Solutions

Customizable to suit specific enterprise needs.





# RO's Technical Edge: Unraveling Precision

- Capacity**  
Ranges from 250 LPH to 10,000 LPH based on water volume needs
- Filtration Rate**  
Averages 4,000 GPD, ensuring efficient purification
- Power Requirements**  
Example: A 10,000 LPH plant needs 20 kW power
- Membrane Specifications**  
Utilizes semi-permeable membranes with varying types, surface areas, pore sizes, and quantities
- Operating Pressure**  
Ranges from 100 to 1000 psi based on system design
- Pre-treatment Needs**  
Includes sediment and activated carbon filtration, water softening
- Dimensions & Layout**  
Varied dimensions based on design, housing, pumps, control panels, and installation space
- Automation & Controls**  
Features automated monitoring, sensors, and control panels for optimal performance





# Greenhouse Aquatech Promises Greener Tomorrow

RO plants reduce water waste by efficiently filtering impurities, conserving resources. Through selective filtration, they minimize wastewater, maximizing feed water usage. Recovered purified water, essential for various purposes, conserves this valuable resource. Technologies harness the reject stream, minimizing waste, and emphasizing water recovery. RO isn't just effective in purification; it's a resource-conserving solution, pivotal for sustainable water management and conservation.



At Greenhouse Aquatech, We're committed to redefining water purification solutions for greenhouse farming. Partner with us to elevate your greenhouse operation's productivity and sustainability.

## Contact Us

For inquiries, consultations, or to dive deeper into our Industrial Reverse Osmosis Plant, connect with our dedicated team today!

- @ enquiry@greenhouseaqua.com
- 9522572578
- Office No. 304, ASK Business Tringle  
Ring Road No. 01, Bhatagaon, Raipur (CG)  
492013



**GREENHOUSE  
AQUATECH**

