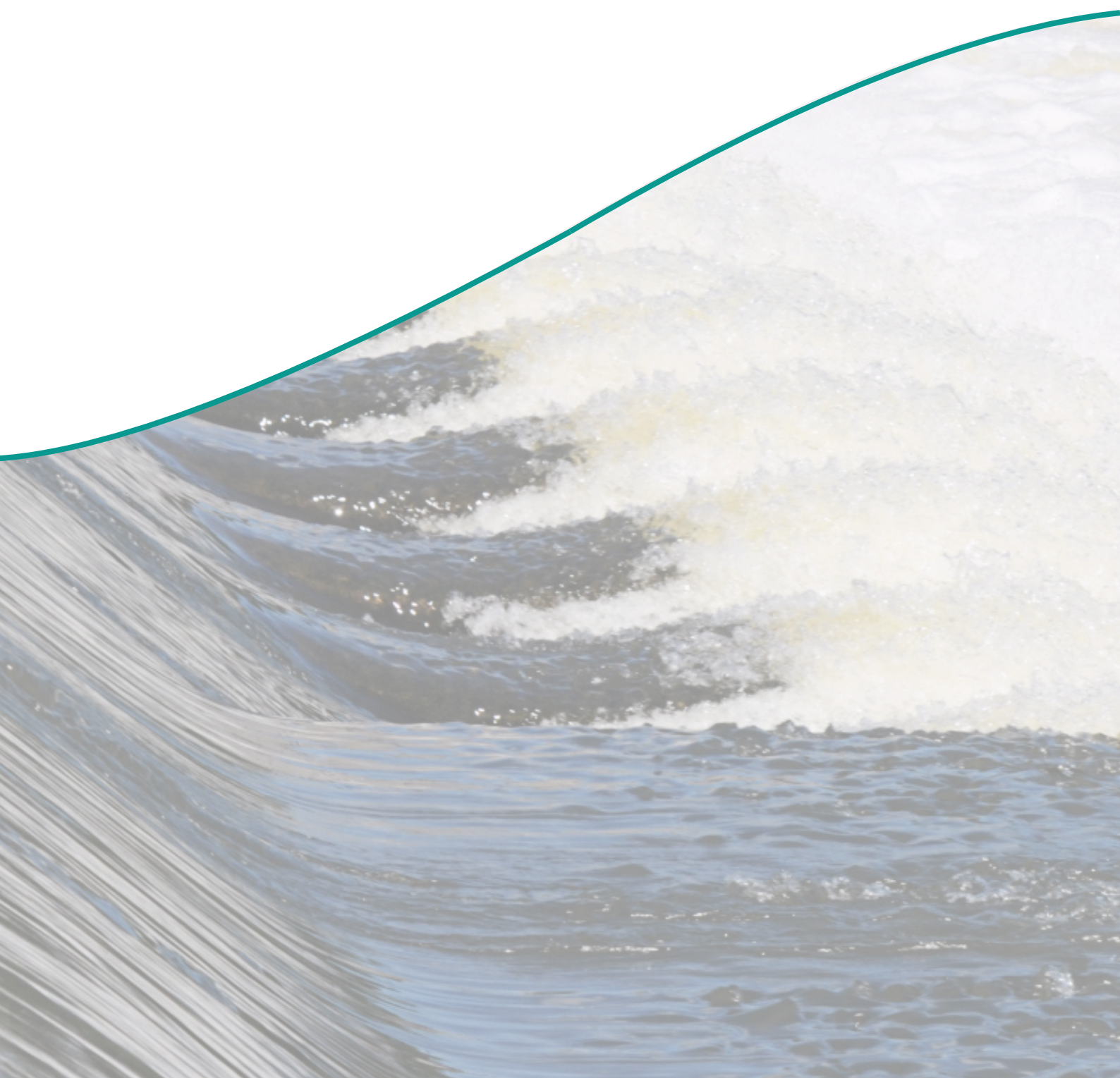


SINCE 2006


SPRINGIONTM

Fresh Thinking In Every Drop...

Exchange



COMPANY PROFILE

At **Spring Ion Exchange**, we believe that water is more than a resource it is the foundation of life, industry, and sustainable growth. **Since 2006**, we have been designing, manufacturing, and delivering advanced water and wastewater treatment solutions that help industries achieve operational excellence while protecting the environment.

From Industrial RO Plants and Demineralization (DM) Plants to Effluent Treatment Plants (ETP), Sewage Treatment Plants (STP), Water Softeners, and process instruments, we provide complete, customized solutions tailored to each client's requirements.

Our commitment goes beyond supplying equipment. We partner with our customers throughout every stage from design and manufacturing to installation, commissioning, and after-sales support ensuring reliable performance, regulatory compliance, and long-term value.

OUR IMPACT

100,000+

Litres Treated Daily

22+

Indian States Served

7+

Service Offices

35+

Industry Support

CERTIFICATION

An ISO 9001 : 2015 / 14001 : 2015 / 45001 : 2018 CERTIFIED COMPANY



INDUSTRIAL RO PLANT



PLANT CAPACITY :- 500 LPH



PLANT CAPACITY :- 1000 LPH



PLANT CAPACITY :- 5000 LPH



PLANT CAPACITY :- 10,000 LPH

S.S INDUSTRIAL RO PLANT



- Plant Capacity: 500 LPH to 100,000+ LPH
- Construction: Food Grade SS 304 / SS 316
- Water Recovery: 75% – 85%
- Installation: SS Structural Frame
- Salt Rejection: Up to 99%

PLANT CAPACITY :- 1000 LPH (Fully Auto R.O With Softener)



PLANT CAPACITY :- 2000 LPH (Fully S.S Delux)

EFFLUENT TREATMENT PLANT



Smart Wastewater Treatment for a Sustainable Future

Spring Ion Exchange designs and manufactures high-performance Effluent Treatment Plants (ETPs) that treat industrial wastewater efficiently and help industries meet environmental regulations. Our customized solutions remove contaminants such as suspended solids, oils, chemicals, heavy metals, and organic pollutants, making treated water safe for discharge or reuse.

Designed for reliability, efficiency, and long-term performance, our ETP systems help industries reduce environmental impact while optimizing operational costs.

Key Features

- Customized plant design for every industry
- High removal efficiency of BOD, COD, TSS, Oil & Grease
- Energy-efficient operation
- Durable, corrosion-resistant equipment
- Pollution Control Board compliant design
- Easy operation and low maintenance
- End-to-end project execution

SWIMMING POOL FILTRATION SYSTEM



10,000 Litres to 5,00,000+ Litres
Custom-designed for space and usage

Swimming Pool Filtration Systems and Complete Pool Construction Solutions for residential, commercial, and hospitality projects. Our systems ensure clean, hygienic, and balanced water with low maintenance and energy-efficient operation.

- Custom pool design & filtration system
- Energy-efficient circulation pumps
- Multi-grade sand and cartridge filtration
- UV disinfection and chemical dosing systems
- Automatic pH and chlorine control
- Corrosion-resistant equipment
- Easy maintenance and long service life

- **Fast installation and turnkey execution**
- **Crystal clear and hygienic water**
- **Low maintenance and operating cost**
- **Safe for children and adults**
- **Reduced chemical usage**
- **Long-lasting water quality balance**

DM PLANT

High-Purity Water for Critical Industrial Applications

Demineralization (DM) Plants that remove dissolved salts and minerals to produce high-purity water for industrial applications. Our customized systems deliver reliable performance, low operating costs, and long service life.

Ideal for boiler feed, pharmaceuticals, laboratories, power plants, electronics, and process industries, our DM Plants provide consistent water quality while protecting equipment from scaling and corrosion.

- High-purity water with very low conductivity
- Customized plant capacities
- Automatic operation and easy regeneration
- Low maintenance and energy-efficient design



WATER SOFTENER PLANT

Soft Water for Better Performance & Longer Equipment Life



Applications:

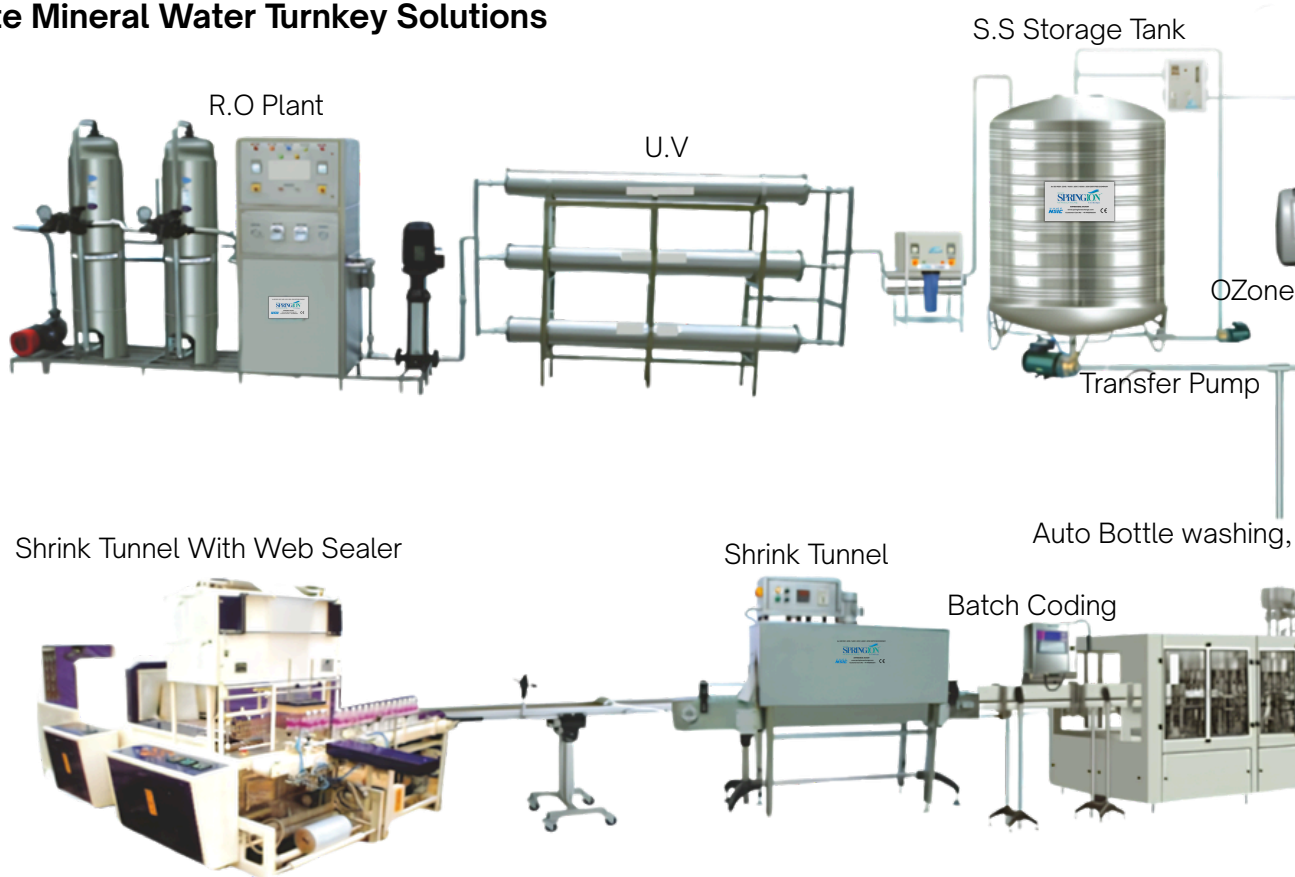
- Residential Apartments & Homes
- Hotels & Resorts
- Hospitals & Healthcare Facilities
- Commercial Buildings
- Educational Institutions
- Factories & Industrial Plants
- Boiler Feed Water Systems

Key Features:

- High hardness removal efficiency
- Automatic regeneration system
- Corrosion-resistant construction
- Low maintenance and energy-efficient operation
- Custom-built capacities for every requirement

TRUNKEY PROJECT

Complete Mineral Water Turnkey Solutions



Transform your vision into a successful bottled water business with **Spring Ion Exchange**. We provide fully integrated Mineral Water Turnkey Plants, delivering everything required to produce high-quality packaged drinking water from water purification and treatment to bottling, packaging, and final commissioning.

Our turnkey solutions are designed for entrepreneurs, manufacturers, and established businesses looking for reliable performance, regulatory compliance, and long-term profitability.

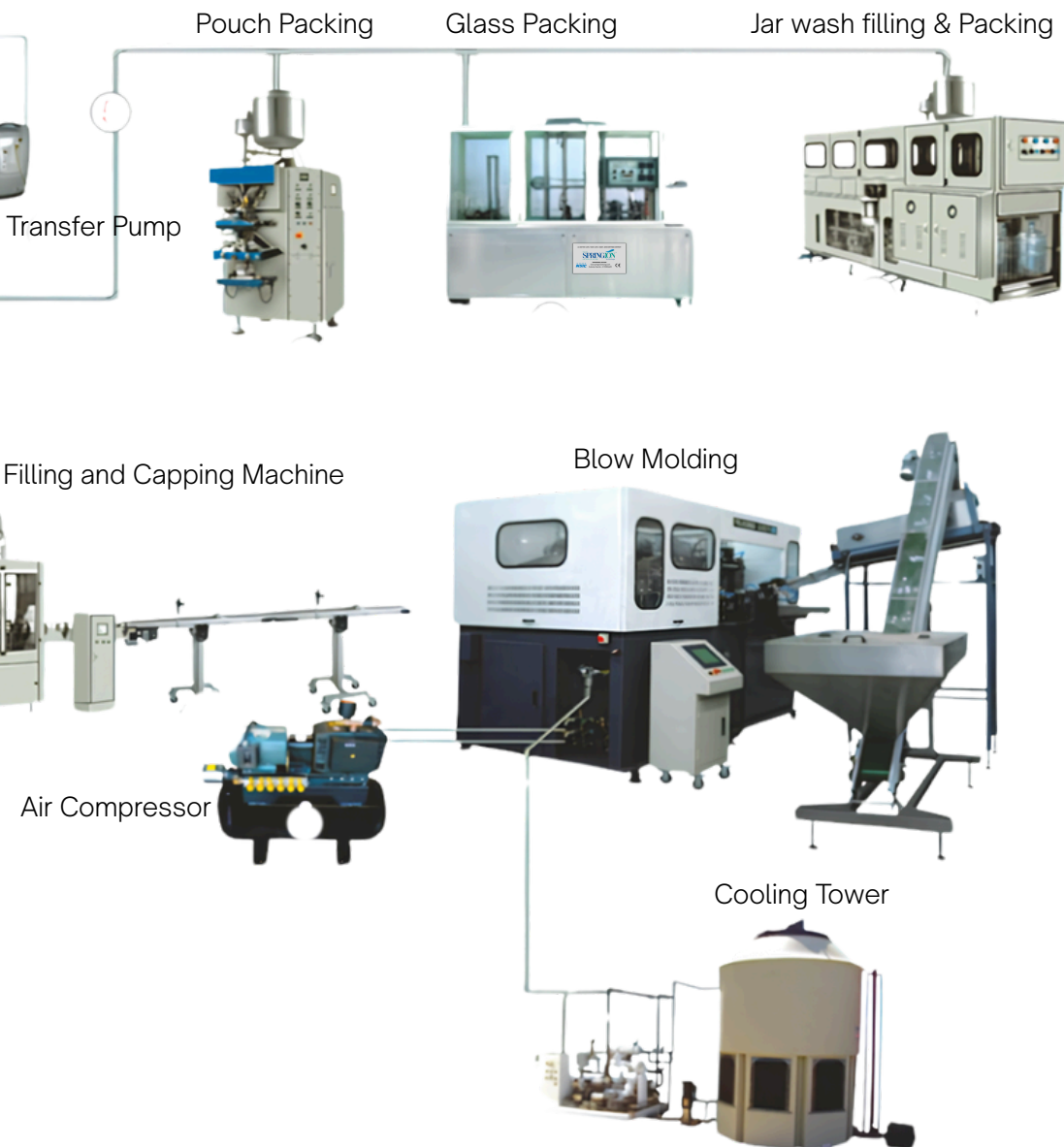
Plant Capacity Range

Small Scale Plants: 1000 – 2,000 LPH

Medium Scale Plants: 2,000 – 10,000 LPH

Large Industrial Plants: 10,000 – 50,000+ LPH

Bottling Capacity: 1,000 – 12,000 Bottles Per Hour



- Raw Water Treatment & Pre-Treatment Systems
- Industrial Reverse Osmosis (RO) Plants
- UV Sterilization & Ozone Disinfection Systems
- Mineral Dosing & Storage Systems
- Automatic Bottle Rinsing, Filling & Capping Machines
- Bottle Blow Molding Machines
- Labeling, Shrink Wrapping & Packaging Systems
- Conveyors, Control Panels & Automation
- Plant Layout Design & Utility Planning
- Installation, Commissioning & Operator Training

AUTOMATIC BOTTLE FILLING MACHINE



Spring Ion Exchange manufactures Automatic Bottle Filling Machines designed for efficient, accurate, and hygienic filling of water and liquid products. Built with food-grade materials and advanced automation, our systems ensure high productivity, minimal wastage, and reliable performance for continuous operation.

Our turnkey bottling lines include Bottle Rinser, Filler, Capper, Labeling Machine, and Conveyor System, with optional UV Sterilizer, Batch Coding, Shrink Wrapping, and Packing solutions.

Specifications

- **Capacity:** 1,000 to 12,000 Bottles Per Hour (BPH)
- **Bottle Types:** PET, Glass & HDPE
- **Bottle Sizes:** 200 ml to 2 Litres
- **Filling Accuracy:** $\pm 1\%$
- **Construction:** Food-Grade SS 304
- **Control System:** PLC with Touch Screen HMI
- **Operation:** Fully Automatic
- **Drive:** Variable Frequency Drive (VFD)
- **Compliance:** BIS, FSSAI & ISO Standards



Key Features

- Fully automatic rinsing, filling, capping, and conveying
- Easy operation and low maintenance
- Customizable layouts and capacities
- Precision filling with minimal spillage

WASTE WATER TREATMENT PLANT

Sustainable Water Management for Industrial & Commercial Applications



Spring Ion Exchange designs and manufactures advanced Wastewater Treatment Plants (WWTPs) that efficiently treat industrial and domestic wastewater for safe discharge or reuse. Our solutions help organizations reduce water consumption, comply with environmental regulations, and support sustainable operations.

We provide complete, customized systems with reliable performance, low operating costs, and long service life.

Our Solutions

- Sewage Treatment Plants (STP)
- Effluent Treatment Plants (ETP)
- Zero Liquid Discharge (ZLD) Systems
- Water Recycling & Reuse Systems

Plant Capacity: 5 KLD to 5000+ KLD (Customized plant design)

Treatment Technologies

- Activated Sludge Process (ASP)
- Sequential Batch Reactor (SBR)
- Membrane Bio Reactor (MBR)
- Moving Bed Biofilm Reactor (MBBR)
- Extended Aeration
- Tertiary Filtration & Disinfection

SEA WATER R.O PLANT



Sea Water Reverse Osmosis (SWRO) Plants that convert seawater into clean, safe, and potable water using advanced membrane technology. Our systems provide a reliable and sustainable water source for industries, commercial facilities, coastal regions, and remote locations.

Engineered for high efficiency and long-term performance, our desalination plants deliver consistent water quality with low operating costs and energy-efficient operation.

- **Capacity:** 10 m³/day to 1000+ m³/day
- **Technology:** Reverse Osmosis (SWRO)
- **Salt Rejection:** Up to 99%
- **Recovery Rate:** 30–50%
- **Product Water Quality:** TDS < 500 mg/L (BIS Compliant)
- **Operation:** Fully Automatic PLC Control
- **Installation:** Skid-Mounted or Containerized
- **Optional:** Energy Recovery Device (ERD), Solar Power Integration



ULTRA FILTRATION PLANT

Chemical-Free Membrane Filtration for Safe & Clear Water



- **Capacity:** 1,000 LPH to 1,00,000+ LPH
- **Membrane Type:** Hollow Fibre (PVDF / PES)
- **Pore Size:** 0.01 – 0.1 Micron
- **Bacterial Removal:** Up to 99.9%
- **Recovery Rate:** 90% – 95%
- **Operation:** Fully Automatic
- **Control System:** PLC with Auto Backwash
- **Pressure System:** Low-pressure operation
- **Construction:** SS304 / FRP skid-mounted units

Spring Ion Exchange manufactures Ultra Filtration (UF) Plants designed to remove bacteria, viruses, and suspended solids from raw water using advanced hollow fibre membrane technology. Our systems deliver consistent, high-quality water for drinking, process, and industrial applications with low energy consumption and minimal maintenance.

Applications

- Mineral Water
- Food & Beverage Industry
- Pharmaceutical Units
- Dairy Processing Plants
- Hospitals & Hotels
- Textile & Industrial Process Water
- Water Recycling & Pre-treatment Systems



COMPONENTS



WATER CHILLER MACHINE

- Capacity: 2–10 TR
- Temperature Range: +5°C to +30°C
- Water Pressure: 2 Bar
- Power Supply: 220V AC, 50 Hz
- Operation: Continuous Duty



DIGITAL BATCH CODING

- Printing Speed: 60–115 m/min
- Power Supply: 220V / 380–415V
- Power Consumption: 1 kW
- Air Pressure: 6 Bar (Clean & Dry)
- Cooling: Chilled Water (10°C)



WATER COOLER

- Material: SS202 / SS304
- Storage Capacity: 10–500 Litres
- Power Supply: 220V AC, 50 Hz



OZONE GENERATOR

- Material: SS304 / SS316
- Ozone Output: 1–10 g/hr
- Operation: Semi / Fully Automatic
- Power Supply: 220V AC, 50 Hz



PUMPS



MBBR BIO MEDIA



FRP VESSEL



ROTAMETER



PRESSURE GAUGE



CARBON



MULTI PORT VALVE - AUTO



DOSING PUMP



MEMBRANE



S.S VESSEL



MEMBRANE HOUSING



Hp SWITCH Lp SWITCH



SOLENOID VALVE

OUR CLIENTS



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