

Water Pure Filteration • Hi Pure Concept •

AN ISO Certified Company

Water Pure Filteration

(The Total Water Solution)



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ABOUT US

Our company is a trusted name in the field of industrial water & wastewater management. We specialize in turnkey projects for RO Plants, ETP, STP, WTP, Softener Systems, and ZLD Technologies. Equipped with modern infrastructure and an experienced technical team, we provide end-to-end solutions, including engineering design, fabrication, automation, commissioning, and after-sales service.

We are committed to offering high-quality, cost-effective, and eco-friendly engineering solutions. Our systems are designed to deliver consistent performance with low maintenance and high operational efficiency. Whether it is a small commercial unit or a large industrial treatment plant, we ensure complete compliance with pollution control norms and industry standards.

OUR CORE STRENGTHS

- In-house manufacturing & engineering
- Customized system design as per water analysis
- Use of proven and advanced technologies
- Quality components & durable structures



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OUR VISION

To be a leading provider of sustainable water purification and wastewater treatment solutions that empower industries and communities to conserve water responsibly.



REVERSE OSMOSIS PLANT MANUFACTURER

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The Reverse Osmosis process uses a semi-permeable membrane to separate and remove dissolved solids, organics, pyroxene, submicron colloidal matter, viruses and bacteria from water. The process is called “Reverse Osmosis” since it requires pressure to force pure water across a membrane, leaving the impurities behind. Reverse Osmosis is capable of removing 98-99% of the total thus providing safe & pure water.

Features

- High TDS reduction (up to 95–99%)
- Energy-efficient & low maintenance design
- FRP / SS / MS skid options
- Auto/Manual flushing system
- High-quality membranes for long life
- Corrosion-resistant piping & fittings
- Compact design with easy installation

The reverse osmosis separation technology is used to remove dissolved impurities from water through the use of semi-permeable membrane. The RO Process is the or concentrated, solution to the high purity, of permeates, steam on the opposite side of the membrane. Permeates, used as the driving force for the separation. The applied pressure (P) must be excess of the osmotic pressure of the osmotic pressure of the dissolved contaminants to allow across the membrane.



EFFLUENT TREATMENT PLANT

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Water Pure Filtration is a leading Effluent Treatment Plant Manufacturer in India, offering advanced water treatment solutions designed to purify, treat, and recycle industrial wastewater with high efficiency. Our ETP systems are widely used in industries such as hospitals, textiles, pharmaceuticals, power plants, chemical processing units, and food manufacturing, ensuring safe discharge and full compliance with environmental standards.



An Effluent Treatment (ETP) Plant Manufacturer in Ahmedabad. specialises in designing and supplying advanced systems that treat industrial wastewater to make it safe for discharge or reuse. These plants use processes such as filtration, biological treatment, chemical neutralisation, and sludge handling to remove harmful pollutants, toxic chemicals, and suspended solids from effluents. Indian ETP plant manufacturers are known for delivering cost-effective and eco-friendly solutions. By serving industries like textiles, pharmaceuticals, chemicals, and food processing, they play a crucial role in promoting sustainable operations and protecting water resources in domestic and global markets

Features

- High Efficiency in Pollutant Removal
- Customized Treatment Design
- Multi-Stage Treatment Process
- Robust & Durable Construction
- Low Operating & Maintenance Cost
- Automatic or Manual Operation
- High-Quality Treated Water
- Chemical Dosing Accuracy
- Compact & Space-Saving Design
- Easy Installation & Operation
- Wide Range of Capacities



SEWAGE TREATMENT PLANT (STP)

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Water Pure Filtration is a leading Sewage Treatment Plant Manufacturer in India, offering advanced water treatment solutions designed to purify, treat, and recycle sewage and industrial wastewater efficiently. Our STP systems are widely used in industries such as hospitals, textiles, pharmaceuticals, power plants, chemical processing units, and food manufacturing.



A Sewage Treatment (STP) Plant Manufacturer in Ahmedabad specialises in designing and supplying advanced systems that treat and recycle wastewater for safe environmental discharge or reuse. These manufacturers provide efficient solutions that remove contaminants, organic matter, and harmful microorganisms from sewage using processes such as screening, biological treatment, and filtration. used STP plant for residential, commercial, and industrial sectors. By delivering cost-effective and STP plants, Indian manufacturer play a vital role in supporting clean water initiatives and environmental protection in domestic markets.

Features

- High Treatment Efficiency
- Advanced Treatment
- Technologies in MBBR, SBR, MBR,FAB & ASP
- Compact & Space-Saving Design
- Low Operating Cost
- Robust Construction
- High-Quality Treated Water

DEMINERALIZATION PLANT (DM PLANT)

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Water Pure Filtration is one of the leading demineralization plant manufacturer in India. DM water plants designed to deliver chemically pure water for industrial and commercial applications. By employing ion exchange technology, these systems efficiently remove dissolved salts and minerals, water meets stringent quality standards. Their DM plants are built for reliability, incorporating corrosion-resistant materials and easy-to-operate controls that simplify maintenance. Businesses benefit from improved process consistency, reduced scaling, and equipment longevity, making Water Pure Filtration a preferred partner for high-performance water treatment solutions.



Demineralization, also known as Demineralization Plant, is the process of removing dissolved minerals from water to make it suitable for industrial or municipal use Resin-based demineralization systems are typically designed in two-bed delonizers, the anion and cation resins are blended into a single tank or vessel. Generally, mixed-bed systems will produce higher quality water with a lower total capacity the two-bed systems. They are often used as post treatment for reverse osmosis (RO) plant for final polishing of the water to high purity.

Features

- High Purity Water Output
- Two-Stage Ion Exchange System
- High-Quality Resin Media
- Efficient Regeneration Process
- FRP / MSRL / MS FRP Options
- Automatic / Manual Operation
- Low Conductivity Output
- Compact & Easy-to-Install Design
- Low Maintenance
- Wide Range of Capacities



ULTRA FILTRATION PLANT (UF)

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Water Pure Filtration is a leading ultra filtration plant manufacturer in Ahmedabad, India. UF Plants tailored for superior water purification industrial and commercial sectors. These systems utilize advanced membrane technology to remove suspended solids, bacteria, and high molecular-weight impurities, delivering consistently high water quality without the need for chemical treatments. UF plants minimal footprint and low operational costs. use for pre-treatment in RO systems or standalone purification needs, they offer excellent recovery rates and long service life making them a smart choice for industries prioritizing performance, hygiene, and water conservation



Features

- Tailored treatment trains
- Efficient contaminant removal
- Supports reuse & sustainability

Industrial RO Ultra Filtration Plant are used to remove the suspended particles from the water which cannot be removed by the traditional technologies. UF removes the particles & microbes up to 0.01 micron size & can effectively remove most of the microbes. It is also used to reduce turbidity & silt present in the water. UF plant has other applications in the areas of proteins separations, volatile organics separation, desalination of sea water, etc.



ZERO LIQUID DISCHARGE PLANT (ZLD)

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Water Pure Filteration is one of the Leading Zero Liquid Discharge Treatment Plant Manufacturer in India. offering advanced water treatment solutions designed to purify and recycle industrial wastewater with zero liquid discharge at the end of process. Our Zero liquid discharge plant is usually used in industries such as hospitals, textiles, pharmaceuticals, power plants, chemicals, and food processing.



An efficient and well-designed ZLD treatment system should be able to:

- handle variations in waste contamination and flow
- allow for required chemical volumes adjustments
- recover around 95% of your liquid waste for reuse
- treat and retrieve valuable byproducts from your waste
- (i.e. salts and brines)
- produce a dry, solid cake for disposal

Features

- **Completely eliminates liquid waste discharge from the plant**
- **Recovers maximum water (up to 95–98%) for reuse**
- **Reduces freshwater consumption and operational costs**
- **Ensures compliance with strict environmental regulations**
- **Utilizes a combination of advanced technologies (RO, MEE, ATFD, Crystallizer, etc.)**
- **Converts wastewater into reusable water and solid salts**
- **Minimizes environmental impact and improves sustainability**
- **Suitable for industries with high TDS and stringent discharge norms**
- **Provides long-term operational safety and resource efficiency**



WATER SOFTENER PLANT

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Water Pure Filtration is one of the leading automatic water softening plant manufacturer in India. Offering water softening plants engineered to deliver consistent, high-quality water solutions across industries. Their systems are designed to effectively reduce hardness by removing calcium and magnesium ions, protecting plumbing infrastructure and prolonging equipment life. With advanced resin-based technology and user-friendly controls, Water Pure Filtration plants offer efficient performance with minimal maintenance. Clients benefit from optimised water flow, reduced scaling, and improved operational efficiency, making these softening units a used choice for commercial and industrial applications seeking reliability and water quality assurance.

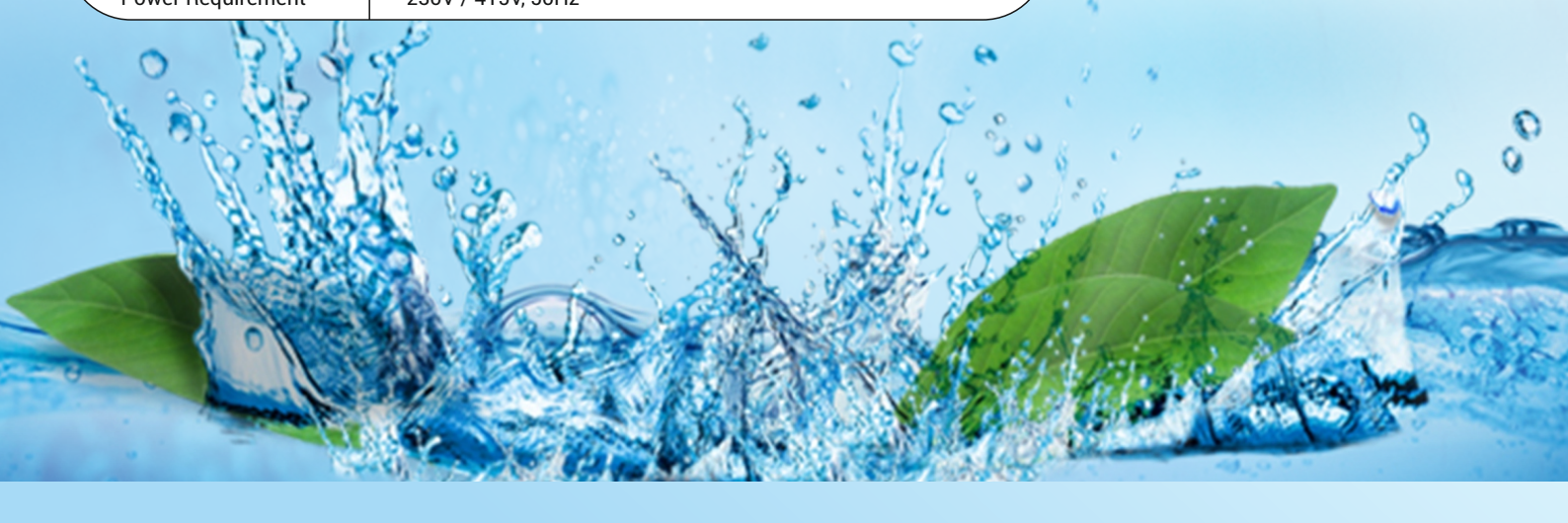


Water Softening Plant Technical Specifications

Parameter	Specification
Flow Rate Capacity	500 LPH to 100,000 LPH (customizable)
Softening Technology	Ion Exchange Process using Cation Resin
Raw Water Hardness	Up to 1000 ppm (as $CaCO_3$)
Treated Water Hardness	< 5 to 25 ppm (as CaCO)
Resin Type	Strong Acid Cation Resin (SAC) – Food Grade / Industrial Grade
Regeneration Method	Co-current / Counter-current with NaCl (Common Salt)
Material of Construction	FRP / MSRL / SS304 / SS316 (based on application)
Operating Pressure	2–5 kg/cm²
Operating Temperature	< Up to 45°C
Control System	Manual / Semi-Automatic / Fully Automatic with PLC
Salt Tank Capacity	based on plant design
pH Range of Feed Water	6.5–8.5
Power Requirement	230V / 415V, 50Hz

Features

- High Hardness Removal Efficiency
- Automatic / Manual Operation Options
- Long-Lasting Ion Exchange Resin
- Corrosion-Resistant Construction
- Easy Regeneration Process
- Consistent Treated Water Quality
- compact & Space-Saving Design
- Available in Wide Range of Capacities
- Low Maintenance



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WATER FILTRATION SYSTEMS

(Sand, Carbon, Iron)

A Water Filtration Plant Manufacturer in India specializes in designing and supplying advanced systems that purify water by removing impurities, suspended solids, and harmful contaminants. These plants are engineered with modern filtration technologies such as sand filters, activated carbon, and membrane systems to deliver clean and safe water for industrial, commercial, and residential applications. Known for reliability, efficiency, and compliance with international quality standards, Indian manufacturer provide cost-effective solutions that support sustainable water management across domestic and global markets.



The process of filtration involves the flow of water through a granular bed, of sand or another suitable media, at a low speed. The media retains most solid matter while permitting the water to pass. The process of water filtration plant is usually repeated to ensure adequate removal of unwanted particles in the water.

Features

- High-Efficiency Filtration
- Multi-Layer Media Design
- Corrosion-Resistant Construction
- Automatic / Manual Operation
- Easy Backwashing System
- Odour & Chemical Removal
- Easy Installation & Maintenance
- Custom-Built for Feed Water Quality
- Long Media Life



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INDUSTRIES SERVED

- Pharmaceuticals
- Commercial Complexes
- Hotels & Hospitality
- Residential Communities
- Food & Beverage
- Textile & Dyeing
- Chemical & Petrochemical
- Municipal & Government Projects

WHY CHOOSE US?



- Customized Solutions
- End-to-End Services
- Long-Lasting & Reliable Systems
- Expert Consultation
- Dedicated After-Sales Support

COMPONENTS, SPARES

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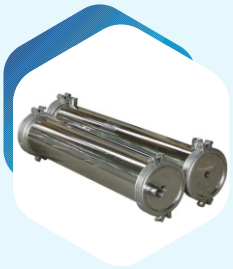
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All Type Pump



RO Membrane



Membrane Housing (FRP / SS)



Cartridge Filters, Bag Filters (All Size)



Pressure Gauge



Flow Meter



Solenoid Valve / Auto Flush Valve



Multiport Valves



Low Pressure Switch / High Pressure Switch



Dosing Pump (6 LPH to 200 LPH)



Conductivity/ TDS, ORP, pH Meter



UV System



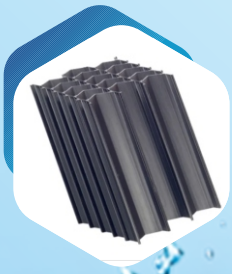
Air Blowers



FRP / MS Vessel Spares



Agitator & Mixer



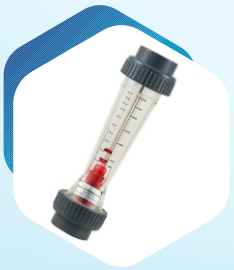
Tube Settler Media



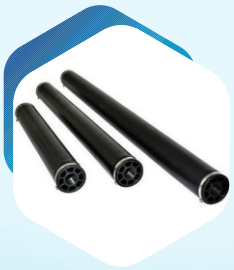
MBBR Media



Level Sensors



Rotameter



Diffuser (Fine Bubble / Coarse Bubble)

TREATMENT CHEMICALS

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- Antiscalant
- SMBS (Sodium Meta Bi Sulphite)
- Caustic Soda
- Citric Acid
- Acid Cleaner (RO Membrane)
- Alkaline Cleaner
- Alum
- Ferric Chloride / Ferrous Sulphate
- Poly Electrolyte (Cationic / Anionic)
- Sodium Hypochlorite
- Soda Ash
- Lime
- Hydrochloric Acid (Hcl)
- pH Correction Chemicals
- Defoamer
- Bio Culture (Bacteria)
- Odour Control Chemicals
- Anion & Cation Resin
- Descaling Chemicals
- Oxygen Scavengers
- pH Boosters / Alkalinity Builders
- Scale & Corrosion Inhibitors
- Anti-Foaming Agents
- Multi-Functional Boiler Chemicals



HAPPY CUSTOMERS

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TAJ

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GROUP OF COMPANIES

AQUA CHEM TECHNOLOGY

Euro Adblutech

AQUA CARE SOLUTION PRIVATE LIMITED
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