



INNOVATECH

(AN ISO 9001-2015 CERTIFIED COMPANY)

Member of:



"REVITALISING" THE NATIONS WATER RESOURCES

RESIDENTIAL • COMMUNITY • COMMERCIAL





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Although water covers approximately 75% of the world's surface, only 0.01% of the world's water can be used to cover the needs of humanity, according to the United Nations.

We are proudly introduce ourselves as Innovatech enviro systems Pvt. Ltd., having vast experience with entire gamut of water & waste water treatment Technology providing Innovative and pioneer water Treatment Solutions.

Our supply chain management is strong as the technical support comes from the high skilled technicians and professionals. Our principle of customer support and service by experienced professionals provides good customer relationship.

We supply our products to types of Industries such as pharmaceuticals, Steel Industries, Paper Mills, Power Plants, Cement Industries, Textile Units, Food Industries, Beverages Rice mills, Milk Dairies Rubber Industries, Wood Industries, Hotels, Hospitals IT Industries, Plastic Industries and small scale Industries etc.,

SERVICES

- Regular site service visits with Field test and reports.
- Immediate and correct interpretation of the test result and Field recommendations.
- Routine monitoring of pretreatment and application equipment.
- Equipment Inspections
- Experienced technical support
- Effective training programs
- Specialized mechanical services
- Annual maintenance Contract
- Operation and Maintenance Contract.
- PPC (Pay Per Call)





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After agriculture, Industry is the second largest category consumer of water. About 20% of all water that is consumed is utilized in industrial processes such as chemical processing, manufacturing, power generation and refining.

SEWAGE TREATMENT PLANT

Sewage Treatment Plant is a facility designed to receive the waste from domestic, commercial and industrial sources and to remove materials that damage water quality and compromise public health and safety when discharged into water receiving systems.

INNOVATECH provides all different of sewage plants such as FBR (Fluidized Bioreactor), MBR (Membrane Bioreactor), SUBMERGE AEROBC FIXED FILM Bioreactor and Extended Aeration Activated Sludge Process etc... So as have aesthetic to your existing plants.

MOC: MSRL, MS, FRP, SS



SEWAGE TREATMENT PLANT



EFFLUENT TREATMENT PLANT

Effluent Treatment Plant is designed to treat the effluent coming from different areas of the plant ETP is a wide range of process for removing and recycling the chemicals. The effluent treatment plant are designed on the basis of detailed evaluation of process For suggesting proper treatment method for the ETP metals and toxic ions need to be known before hand. The equipments are fabricated under the strict quality control.

MOC: MSRL, MS, FRP, SS

ULTRA FILTRATION SYSTEMS

Ultra filtration (UF) technology uses a membrane barrier to exclude particles as small as 0.01 microns, including bacteria, silt, viruses and colloids. Advantages of UF compared to conventional treatment such as clarifies and media filters, are its high tolerance to feed water quality upsets, absolute barrier and improved water quality.

Our portfolio of products is designed for outstanding membrane separation, extreme productivity and efficiency, exceptional reliability and a small footprint. Put simply, we help to provide clean water at a lower cost and provide experience you would expect from the leader in separation technologies.

MOC: SS, MS, P.C, MS FRP

ULTRA FILTRATION



APPLICATIONS

- Pharmaceutical Industry
- Power Plants
- Chemical Industries
- Textile Industries
- Oil & Gas sector
- Food Industry
- Automobile Industry



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Today, one billion people have no access to clean drinking water. In two decades, two out of every three people will face this same predicament.

WATER TREATMENT PLANT

Sand filters are used as a step in the water treatment process of water purification.

There are three main types; rapid (gravity) sand filters, upward flow sand filters and slow sand filters.

Activated carbon, also called **activated charcoal**, is a form of carbon processed to have small, low-volume pores that increase the surface area available for adsorption or chemical reactions

ION REMOVAL FILTER

Iron can often be detected visibly in water or by staining on plumbing fixtures.

Iron Removal filter can be used in under counter or counter top water filters. It will work well for both municipal and well water

SOFTENER PLANT

Water softening is the removal of calcium, magnesium, and certain other metal cations in hard water.

The resulting soft water is more compatible with soap and extends the lifetime of plumbing

MOC: MSRL, MS, FRP, SS

REVERSE OSMOSIS PLANT



WATER DEMINERALIZATION PLANT

We are providing highly proven and effective Water Demineralization Plant, which is highly resilient and robust in built. In this, the process of removing the mineral salts from water by ion-exchanges is done. Generally, as natural water has electrolytes in varying concentrations and ion-exchange vessel holds ion-exchange resin of the required type through which water are exchanged with ions or radicals loosely held by the resin. In this way, the water is passed through several vessels or a mixed bed vessel so that both positive and negative ions are removed and water is demineralised. It is the most effective way of demineralizing water and is used in various industries.

MOC: MSRL, FRP, SS

WATER TREATMENT PLANT



Pressure Sand Filter



Activated Carbon Filter



Ion Removal Filter



Softner

REVERSE OSMOSIS PLANT

Reverse Osmosis (RO) is a filtration method that removes many types of large molecules and ions from solutions by applying pressure to the solution when it is on one side of a selective membrane. The result is that the solute is retained on the pressurized side of the membrane and the pure solvent is allowed to pass to the other side.

MOC: SS, MS, MS, FRP, MSPC

D.M. PLANT



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In 2000 the water wasted by industry and domestic use amounted to 800 billion litres and 400 billion litres respectively. By 2025, the amount is expected to rise by 20%

MIXED BED DEMINERALISERS

Cation and Anion resins are combined in a FRP, MSRL, Mild Steel with Rubber Steel & stainless steel vessel to produce ultra pure water.

Usually a mixed bed polishing unit contains strong acid Cation (SAC) resin and strong base Anion (SBA) resins combined to a ratio of approximately 40% Cation resin to 60% Anion resin. (All resin volumes are dependant upon the incoming water analysis and the required quantity of treated water).

Mixed bed polishers are typically installed when a water quality of less than 1 micro ohm conductivity is required. Derwent Water Services can install mixed bed polishers after a standard Reverse Osmosis or Demineraliser, to produce ultra high quality water.

The Cation resins in our mixed bed polishers are of a higher specific gravity and settle at the bottom of the vessel whilst the Anion resin will automatically float to the top

FILTER PRESS



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OIL SKIMMERS AND SEPARATORS

Oil Skimmers are a floating device used to skim oil off the surface of water or liquid. Many skimmers use oil-attracting materials to help draw the oil to the system and facilitate a more complete cleanup.

TYPES :-

Teflonbelt oil skimmers, stain less steel belt oil skimmers
Reverse osmosis oil skimmer, Disk type oil Skimmer,
Drum type Oil Skimmers,

An oil separator ensures oil return to the compressor oil sump. It prevents compressor breakdown caused by lack of lubrication, increases compressor operating life, protects against liquid hammer in the compressor, and provides better utilisation of condenser and evaporator capacity (no oil-gas collection).

MOC: MSRL, FRP, SS

MIXED BED DEMINERALISERS



FILTER PRESS

Filter presses are used in a huge variety of different applications

The primary usage of a filter press is a "fixed volume, batch pressure filter." As a fixed volume filter, it is built to hold a specific quantity of solids. The term "batch" refers to the fact the cycle must be stopped to discharge the collected "filter cake" prior to restarting a cycle. "Pressure" is created by the feed pump in the separation process. This process can significantly reduce the typical elapsed time for a press cycle and produce a dryer cake product or more uniform cake dryness from cycle to cycle.

MOC: MS, PP

OIL SKIMMERS AND SEPARATORS





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OUR VALUABLE SUPPORTERS



INNOVATECH *Enviro* SYSTEMS & SERVICES PVT LTD.

Mfrs. of : Water & Waste Water Treatment Equipments

#152/3A, ESI Ring Road, HOSUR - 635 126

Krishnagiri Dist. Tamil Nadu.

Mobile: 96007 94860, 99449 67795 Landline: 04344 314214

E-mail: sales@innovatechindia.in, innovatechkn14@gmail.com

www.innovatechindia.in

#85/1, 33A Cross, Dr. Rajkumar Road, Near RTO Office,

Bangalore - 10. Karnataka.

Mobile: 96007 94860, 99449 67795

E-mail: sales@innovatechindia.in, innovatechkn14@gmail.com

www.innovatechindia.in