



CONCEPTS

WATER TREATMENT PLANTS
EFFLUENT TREATMENT PLANTS





REVERSE OSMOSIS PLANTS

CONCEPTS offers a range of reverse osmosis plants for purifying brackish & saline water. These are fully skid mounted modular systems for producing low salinity waters. Different systems are available for industrial, institutional & domestic applications with high salt rejection & water recovery. Custom built & standard plants are offered by us.



Applications

- Potable Water
- Boiler Feed
- Beverages
- Pharmaceuticals
- Sea Water Desalination
- Zero Liquid Discharge (ZLD)
- Process Applications like Juice & Milk Concentration



ULTRA FILTRATION PLANTS

Ultra filtration is a membrane filtration process in which pressure forces a liquid against a semi permeable membrane. Suspended solids and solutes of high molecular weight are retained, while water and low molecular weight solutes pass through the membrane



Applications

- Waste Water Treatment
- Raw Water Clarification
- Municipal Water Treatment
- Solid – Liquid Separation



EFFLUENT TREATMENT, RECYCLE & ZLD

CONCEPTS offers Effluent treatment plant for treating the industrial waste water for its reuse or safe disposal to the environment. These plants are used to meet the Standards for emission or discharge of environmental pollutants from various Industries set by the Government and avoid hefty penalties.

It is now widely used for municipal and industrial wastewater treatment. This systems offer several operational and economic advantages compared to conventional wastewater treatment plants.



INDUSTRIES SERVED

- Textile Industry
- Beverage Industry
- Automobiles Industry
- Breweries
- Dairy & Food Processing





SEWAGE TREATMENT & RECYCLE PLANTS

Treatment of sewage & recycle of it to get reusable water has now been acknowledged & accepted as an economical & commercially viable proposition. Above all, reuse of sewage recycled water is seen as an ecological necessity. This also drastically reduces the rate of depletion of surface and ground waters.. The plants installed are based on the economical & efficient process of Moving Bed Bio Reactor (MBBR). These plants are very compact compared to installations using the conventional activated sludge process/ extended aeration process. Compared to conventional processes the area required is less than 50% & are therefore best suited where space is at a premium. The low cost of treatment makes it the most attractive proposition



Advantages of MBBR

- Process takes advantages of both contact aeration as well as fixed growth system.
- Submerged growth sustains microbial growth during adverse conditions.
- System configuration enables better oxygen transfer efficiency, plug flow condition.
- No sludge reticulation is required.

APPLICATIONS

- Agriculture
- Cooling Towers
- Construction
- Flushing
- Utilities
- Car Washing



EFFLUENT EVAPORATORS

CONCEPTS offers Multiple-effect evaporators for efficiently using the heat from steam to evaporate water.

ADVANTAGES OF MULTI-EFFECT EVAPORATORS

Great Reliability

Long Production autonomies

Includes heat exchanger for product heating & cooling

Easy operation

Completely automated control with supervision

Compact & Robust Design

User friendly



APPLICATIONS

- Effluent evaporation for ZLD
- Textile Industry
- Beverage Industry
- Automobiles Industry
- Breweries
- Dyeing Industry
- Dairy & Food Processing

TYPES OF MULTI EFFECT EVAPORATORS

- Forced Circulation
- Falling Film
- Rising Film
- Agitated Thin Film Dryers



MEMBRANE BIO-REACTORS

CONCEPTS offers complete Membrane Bio Reactors which is a combination of a suspended growth biological treatment method, usually activated sludge, with membrane filtration.

Recent technical innovation and significant membrane cost reduction have enabled MBRs to become an established process option to treat wastewaters. As a result, the MBR process has now become an attractive option for the treatment and reuse of industrial and municipal wastewaters.



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Applications

- Effluent Treatment
- Pre-treatment to reverse osmosis
- Zero Liquid Discharge
- Effluent Recycle



TUBE DECK CLARIFIERS

Offer you economy of space when land is at a premium and space a big constraint.



APPLICATIONS

For all your requirements of removal of suspensions form surface waters, rivers, streams & industrial effluents.

CLARIFIERS

These are the most sought after systems for larger capacities. A work-horse for all purpose water clarification & effluent constraints.





FILTERS & STRAINERS

A big range of filters to choose for your specific requirements and capacities. Manually and Automatic units are offered for all types.



Pressure Sand & Activated Carbon Filters



Self Cleaning Strainer



Bag Filter



Automatic Gravity Filter



Micron Filters



Y-Type Strainers



Green Sand & Birm Filters



SPARES & ACCESSORIES



R. O. Membranes



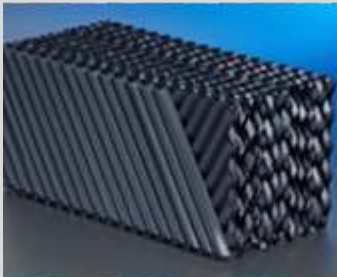
UF Membranes



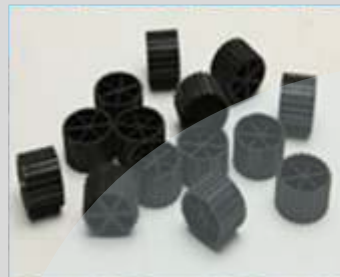
Micron Filter Cartridges



Filter Bags



SAFF Media



MBBR Media



Membranes Diffusers



Tube Deck Media



Ejectors



Strainers

MEDIA



Anthracite



Birm



Activated Carbon



Pebbles



Green Sand



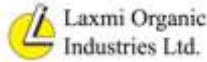
Resin



Sylex



OUR CUSTOMERS



OVERSEAS

Gulf Chemicals and Industrial Oils Co.



EDGHURST S.A.L. (OFFSHORE)
Lebanon



Ole' Springs Bottlers (Pvt) Ltd.
Sri Lanka



Equator Bottlers
Kenya



PERFECT POLYMERS FZ - LLC
Dubai



Allana FRIGERIO CONSERVA ALLANA
PRIVATE LIMITED, Ethiopia



COMPANY PROFILE

Turnkey solutions to Diverse Range of Water & Waste Water Treatment



CONCEPTS INDIA an Indian registered firm, founded in 1987, specializes in design, engineering, manufacture, installation and commissioning of water treatment plants on a turnkey basis.

Well designed, well engineered, well constructed equipment and systems are our forté, and we take particular pride in dealing with the more difficult and complex applications. We are fully equipped with qualified & trained staff combining widely different disciplines and qualifications, and whose fine performance ultimately ensures the success of the company.

Company operates through various offices & associates across the country & a manufacturing facility located at Dist. Thane, Maharashtra, India.

The company is committed to offering the best designed & executed systems to its customers. A well trained & motivated team ensures the promised value is transferred to the clients.

The company endeavors to update itself to state of the art technologies & constantly upgrades the skill sets of team members to deliver the highest value to customers.


CONTACT US

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