



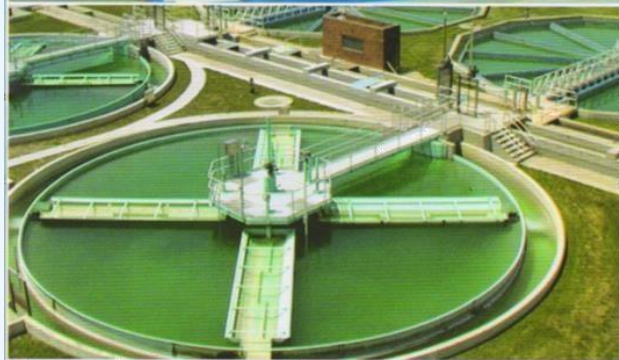
ABOUT COMPANY

We Swap Engineering are reputed organization engaged in manufacturing and supplying high performance range of Pollution Control Equipment Systems, Effluent Treatment Plant, Sewage Treatment Plant, Activated Carbon Filter & Pressure Sand Filter. We are also highly concerned about Air Pollution and offer all type of Air Pollution Control Systems, which are highly efficient, qualitative & cost effective.

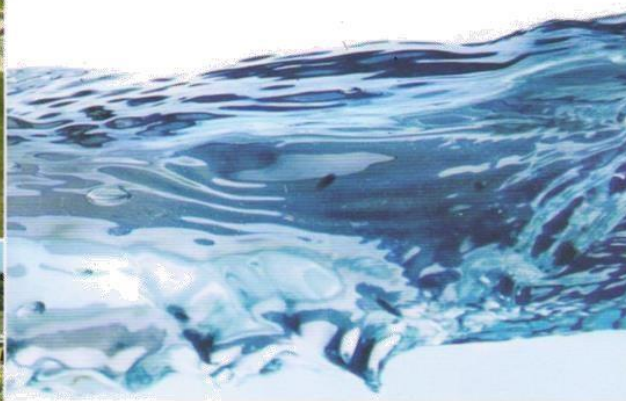
We are bound to serve our client's for any type of Environment issues. In Industrial Waste Treatment System, we offer ETP for leather industry, Paint industry, Dying Industry, Dairy Industry and other many type of industries. We are also having specific systems for maintain of BOD, COD, TDS and heavy metal treatment plants. In Sewage Treatment we offer many technologies such as MBBR, MBR, SAF, FAB etc. for small set-up we offer portable Sewage & Effluent Treatment plants.

These products are designed and manufactured in accordance with international quality norms using supreme grade raw material and latest technology. The raw material we use in the manufacturing process of these products is sourced from reliable vendors of the market. These products are extensively demanded all across the country due to their features like high performance, low maintenance, optimum efficiency, longer service life and hassle-free operation. Furthermore, we offer these products in various specifications and can also be customized as per the customers' specific requirement.

Located in Lucknow (Uttar Pradesh, India), Meerut, Kanpur we have developed a high-end infrastructure facility that is spread across a wide area. Installed with latest machines and technology, our infrastructure is segregated into different departments such as manufacturing, quality control, R & D, warehousing & packaging, etc. This segregation assists us in carrying out smooth business operations. We have a team of skilled professionals who possess immense expertise in their respective domains. We have selected our professionals on the basis of their skills and market knowledge. Working in tandem with each other, our professionals meet the exact requirements of customers within the promised time frame. We have divided our team into various departments and conduct various training sessions in order to update the knowledge of our professionals according to the dynamics of the market.



Product Range



- Water Treatment Plants
 - i) Water Filtration Systems
 - ii) Water Softener Plants
 - iii) Water Demineralisation plants
 - iv) Reverse Osmosis plant
 - v) Electrodionization

(A complete solution of

Pharmaceutical Industry)



Water Treatment Plants



Water Filtration System

We are a prominent manufacturer, supplier and exporter of a broad spectrum of superior quality Water Filtration Plants. The range made available by us comprises of best quality in international standards with perfect designing and high durability that are sourced from the most authentic vendors of the market. Offered at affordable prices, our product-line is applauded for its super working, perfect finishing and eminent durability with affordable prices.

Features:

- Provided in international standards
- Superb finishing
- High accuracy

Water Softener Plants

We are able to gain immense expertise in delivering Water Softener Plants at clients' premises. The offered range of water softener plants is available in different customized specifications and forms as per the diverse requirements of valued clients. Along with this, the offered range is available with touch or S coda monitoring screen, which ensures clear display. Offered range is designed using ion exchange technique, which is a procedure of dealing undesirable ions with much more desirable ions ensuring the softness and eco-friendliness of the water.

Other details:

- Easy to operate
- Compact in size
- Ion exchange resin is incorporated for purifying water



Water Demineralization Plants

Water Demineralization Plants for our valued clients in versatile models. We provide top quality products to ensure the satisfaction of our clients. Our products are appreciated for long serviceability and are designed for opulent usage with ease.

Features:

- Opulent working
- Smooth filtering
- Blissful working
- Smooth finishing
- Compact Designing



Reverse Osmosis Plant

Backed by the rich experience and a competent team of professionals, we are able to offer Reverse Osmosis Plants. The offered range of reverse osmosis plants is suitably inspected in varied characteristics to ensure its adherence with the highest quality norms and standards. Along with this, the range is known for eliminating impurities from water by using pressure.

Features:

- Efficient working
- Low noise levels
- Easy maintenance

Electrodeionization (EDI)

(A complete solution of Pharmaceutical Industry)

EDI is most commonly used to treat Reverse Osmosis (RO); permeate and replace Mixed Bed (MB) ion exchange; producing high purity water of up to $18\Omega\text{cm}$. EDI eliminates the need to store and handle hazardous chemicals required for resin regeneration and the associated neutralization steps. Conventional EDI is limited by feed water hardness, free CO_2 and Silica. The EDI recovery process is dependent upon the feed water hardness.

Q-SEP Hollow Fiber Ultrafiltration

Ultrafiltration (UF) is a membrane process used to remove suspended solids, colloidal matter, high molecular-weight substances, bacteria and viruses from various feed water sources. UF membranes can achieve a low and consistent silt density index (SDI) and are often used as pretreatment for reverse osmosis using surface water, seawater and biologically treated wastewater as feed source. Q-SEP UF membranes incorporate high strength hollow fibers that deliver superior performance without the risk of fiber breaks. Q-SEP UF membranes are made from a hydrophilic polyether sulfone (PES) material with excellent low fouling characteristics. These hollow fiber membranes operate under a pressurized inside-out flow configuration for superior performance.

Q-SEP hollow fiber UF membranes offer reliable removal of turbidity, microorganism and viruses. Turbidity can be reduced to less than 0.05 NTU. Typically 5-log removal for bacteria, giardia and cryptosporidium and a 4-log removal for viruses can be achieved.

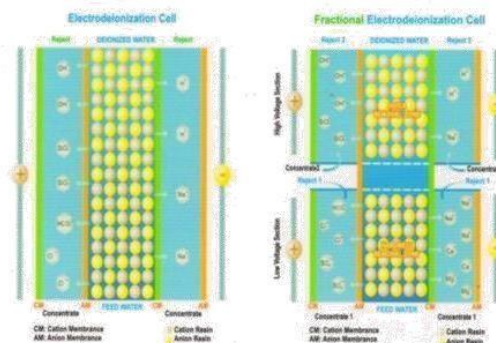
Advantages of Q-SEP UF over Conventional Media Filtration

- Improved filtrate quality
- SDI typically less than 1
- Removal of virus, bacteria and germs
- Removal of microbiological matter
- Removal of colloidal matter
- No need to add coagulant



Fractional Electrodeionization (FEDI)

The Fractional Electrodeionization (FEDI) process is an advancement of EDI. It was developed by taking into account the limitations of conventional EDI described above which, if not addressed properly, lead to scaling and reduced module efficiency and reliability. There are two types of ionic impurities removed in an EDI process; strongly ionized impurities (divalent ions such as Ca , Mg , SO_4 , and monovalent ions such as Na , Cl and HCO_3) and weakly ionized impurities (such as CO_2).



Waste Water Treatment Plants



Sewage Treatment Plant

We also to offer Sewage Treatment Plants (STP) . The offered range is designed using superior grade raw material, procured from dependable vendors of the market. In addition to this, the range is inspected on number of characteristics so as to ensure its compliance with the industry laid norms and standards. This range is extensively used in various sectors such as municipal corporation, residential complexes, housing societies, industrial organizations and educational institutions. Moreover, it is available in variegated designs, shapes and sizes so as to cater to the diverse requirements. Our range is acclaimed for eliminating the damaging elements from water.

Features:

- Odorless
- Low Power Consumption
- Easy maintenance
- Rapid Installation
- Less civil work involved
- Flexible in Reworking

Effluent Treatment Plant

Backed by immense experience and a competent team of experts, we are able to offer Effluent Treatment Plants(ETP). Which range is appreciated for eliminating unwanted & harmful chemicals from waste water. In addition to this, the offered range is acclaimed in the market for its efficient functioning and durability.

Features:

- Sturdy construction
- Resistant to corrosion
- Superior performance
- Rapid installation
- Less civil work involved
- Flexible in reworking



Wastewater Recycling Plant Based on Zero liquid discharge



Waste Water Recycling Plants known for its high durability and non-corrosive nature and opulent designing. Our trusted and most reliable vendors supply us with premium quality raw materials for best output. Furthermore, these products are manufactured using modern machinery and techniques guided by skilled experts, producing perfect products.

Features :

- High strength
- Easy operation
- Error Free
- Perfect designing
- High durability
- Sturdy construction

Water Treatment Chemicals

Cooling Water Treatment Chemicals

With profound knowledge of the demand of our clients, we supply and export superior quality Cooling Water Treatment Chemicals in distinctive range of sizes following all the norms and standards set by industry, accurately. We provide these water treatment products with impeccable quality of raw materials rooted from reliable vendors of the market.

Features:

- Seamless finish
- Accurate dimensions
- Environment resistant
- Easy installation
- Efficient and durable

Boiler Water Treatment Chemicals

Owing to our blissful experience of the industry, we have been able to offer a wide range of Boiler Water Treatment Chemicals to our esteemed customers. We are equipped with professionals who make use of premium quality raw material to ensure the quality of our products. Our range of products are extensively used for their opulent working and flawlessness.

Features:

- Elegant workout
- High efficiency
- Smooth working
- Dimensional accuracy
- Fine finish
- Handles high pressure
- Very long lasting

Waste Water Treatment Chemicals

We manufacture our products under the strict supervision of experienced professionals, who follow norms and standards already set by the industry precisely. To ensure the flawlessness of these products, our experts conduct various tests before the final delivery to the customers.

Features:

- Handles high pressure
- Superb quality
- Very long lasting
- Easy maintenance
- Perfectly Reliable
- Perfect finish
- Tamper-proof

Descaling Chemicals

Descaling Chemicals are used to prevent harmful effect of scaling, which is due to use of untreated water in the various industrial equipments such as pipeline.

Features:

- High Quality
- Anti Foaming Chemicals
- Anti scaling for Evaporators and Boilers Feed Water
- Descaling for Evaporators, Heat Exchangers, Boilers and Condensers

R.O Antiscalant Chemicals

Congruent with industry laid guidelines, they are available in various specifications and also in customized ranges. Our team make use of advanced machines and high grade techniques and deliver them after quality checking.

Features:

- High efficiency
- Easy operational
- Easy installation
- High durability
- Handles high pressure





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