



GUJCHEM

INTERNATIONAL

Ultimate Solution for Water Treatment

- **Water Treatment Plant**
- **Water Treatment Chemicals**
- **Spares**
- **Services**

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About Water

Earth is the “watery planet”. With over 70% of the earth’s surface covered with water, it makes water the most common substance on earth. Oceans contain 97% of the earth’s water while the remaining 3% is classified as freshwater. 77% of this surface fresh water is stored as ice, and 22% as ground water and soil moisture. The remaining fresh water, making up less than 1% of the world total, is contained in lakes, rivers and wetlands.

Water is often thought of in terms of a particular purpose : Is the quality of the water good enough for the use we want of it ? Water fit for a certain use may be unfit for another. The quality of lake water, for instance, may be trusted enough to swim in it, but not enough to drink it.

Along the same lines, drinking water can be used for irrigation, but water used for irrigation may not meet drinking water standards. it is the quality of the water that determines its uses.

Water is one of mankind’s most valuable resources and there is an ever increasing demand for good quality water standards. It is the quality of the water that determines its uses for both industrial and domestic use.

GUJCHEM manufactures a broad range of Water treatment products for the most important application in Water & waste Water treatment.

Range of Products

- PRESSURE FILTRATION SYSTEM
- ION EXCHANGE SYSTEM
- MEMBRANE FILTRATION SYSTEM
- EFFLUENT TREATMENT PLANTS
- SEWAGE TREATMENT PLANTS
- OZONATION SYSTEM
- CHEMICAL DOSING SYSTEM
- SWIMMING POOL FILTRATION
- WASTE WATER RECYCLING SYSTEM



Pressure Filtration System

Depending on source available raw water contains various form of Physical impurities like Total Suspended Solids (TSS), Total Organic Carbon (TOC), Heavy metals Collodial particles etc. GUJCHEM offeres wide range of media Filtration plants and System for most industrial / residential applications.

This filtration system uses various type of filtering media like Quartz sand, Anthracites, Activated carbon, Green Sand, Micron Filters, Bag filters or many other to suit different applications.

Type of filtration System

- Pressure Sand system
- Dual Media Filter
- Activated Carbon Filter
- Iron Removal Filter
- Micron Filter
- Bag Filter

GUJCHEM offers Filtration System in FRP, MS, SS, Pressure Vessels
GUJCHEM offers Filtration System with conventional valve system and multiport valve system

GUJCHEM offers Filtration System with fully automatic operation
GUJCHEM offers different configuration such as vertical or horizontal, multiple series / parallel units depending on feed load and flow rate.

Clarifier

GUJCHEM has a wide range of clarifiers to suit every pre-treatment need from raw water to various kinds of effluents.

High Rate Solids Contact Clarifier

HRSCC is mostly used in application where a large variation in the inlet conditions has to be tolerated by the system. The HRSCC enhances the flocculation process by ingeniously mixing a part of the existing sludge with incoming effluent to achieve a uniform and dense floc. This ensures a higher clarified water quality and greater tolerance to variations in inlet conditions.

Typical application are

- 1 Lime soda Softening.
- 2 Silica removal
- 3 Heavy metal Removal
- 4 Primary treatment in ETP
- 5 Pre Treatment for Re- cycling & water treatment system.





Softeners

An ion exchange system is used to remove the calcium and magnesium from the water. The process is low cost, requiring only salt and small amounts of electricity to operate. GUJCHEM manufactures package and industrial type of Softeners for water containing high levels of hardness.

GUJCHEM softeners incorporate the state of the art technology design for an effective regeneration to make the ultimate cost cheaper by simplest operation. GUJCHEM package and industrial softeners are available in different sizes. GUJCHEM also manufactures custom- made systems to treat hard water with the strong backup of after sales services.



STANDARD FEATURES

- Packed Bed & Down flow Softening System
- Epoxy Lined or Rubber lined Steel Tanks with 100 psi Design Pressure
- Top & Side Mounted manway
- Stainless Steel, UPVC, or MS Internal water Distributing Piping
- Multiport Valve or Conventional Valve arrangement on UPVC or MS External Frontal Piping
- Manual & Fully - Automatic Operations.



DM PLANTS

All water supplies contain dissolved impurities. Many manufacturing and other critical application require highly purified water. The demineralisation process utilises acid regenerated Strong acid cation resin and caustic regenerated strong base anion resin to remove mineral from the feed water.

GUJCHEM offer package D.M System in dual column with or without degasification system and also small trolley mounted units for small industrial as well as laboratory applications.

The company offers standard package units for small flow rate and turnkey custom built plants for larger flow with various regeneration techniques such as co-current, counter-current, packed bed, thoroughfare etc to achieve optimum performance.



Membrane Filtration : Reverse Osmosis, Nano & Ultra

The membrane technology is advancing most rapidly than any other specification methods. The technology can treat tap, brackish, sea and waste water to produce specific treated water quality for various applications.

Reverse Osmosis is a form of very fine 'semi permeable' membrane. This results in a much higher level (up to 99.5 %) of contaminant removal than conventional filtration. When necessary permeate water can be economically 'polished' with a deionisation resin.

GUJCHEM offers package R.O. unit as per clients requirements. Skid mounted land based and offshore.



ABOUT WATER

Earth is the “watery planet”. With over 70% of the earth’s surface covered with water, it makes the most common substance on earth.

Water is one of mankind most valuable resource and there is an ever increasing demand for good quality water for both industrial and domestic use.

ABOUT US

GUJCHEM INTERNATIONAL is a total Water Management Engineering Company involved in all the activities from Design, Engineering, Fabrication, Erection & Commissioning, Operation & Maintenance, Consultancy, Turnkey Execution of Water & Waste Water Management System

We as team possess vast experience in water treatment procedures and systems, owing it all to continuous effort by implementing new technologies via R&D and pilot studies.

We at GUJCHEM INTERNATIONAL has in-depth knowledge about water management systems used for commercial, industrial and domestic purposes.

Water and wastewater treatment are critical to every industry. Each industry has its own set of requirement which determine treatment needs, from process water to wastewater.

GUJCHEM INTERNATIONAL is ready to help you to meet these requirements.

Through high-purity water technology and related services, GUJCHEM INTERNATIONAL helps industries and manufacturers to meet specific water quality requirements to ensure consistent processes and production.

We have become a formidable team competent to deal with any necessity arising out of water treatment. We are apt at trouble-shooting technical snags as well.

We have provided water treatment solution and installed water treatment plants for many large and small industries in India. Our services have been ratified to be on par with the best in the industry. Our modus operandi enables us to have an edge over our competitors, which involves concerted attention and prompt services. As part of after sales service, we constantly keep in touch with our customers. This practice has stood us in good stead and helped us earn an enviable reputation in the industry.

We solicit a long-standing association with clients who require solutions for their water management needs. We give an assurance that our ‘GUJCHEM INTERNATIONAL’ brand of service will always be the best.

We go a step forward in establishing and maintaining good relations with our clients.



OUR MISSION

We are committed to providing a satisfactory service to complement our quality products and offering clients the latest technology in the field of water and waste water treatment.

In fulfilling this mission

We value our customer's requirements and we provide the most innovative and technologically advanced quality system at reasonable prices to our customers with full transparency. We mutually try to share our knowledge and experience which enable us to manufacture most operational friendly water treatment system in-house to ensure system reliability. Many of our outsourced parts are designed specifically made to order for so as to meet our stringent specifications

OUR VISION

In this era where global water resources are being put to strain by the ever increasing demand for good quality water, recycling & conservation will be future to all.

OUR QUALITY POLICY:

The quality policy of GUJCHEM is founded on a commitment by all employees to provide products and services that satisfies our customers. Our management is committed to provide the direction and means in implement quality.

- Provide our customers with quality products and services.
- Provide those products and services on time, utilizing efficient methods.
- Provide our customers with the best value for our products/ services.
- Provide open, effective communication with our customers and suppliers.
- Provide a system of continuous improvement across all disciplines.

SYSTEM WE PROVIDE

We offer the most complete range of water and wastewater treatment equipment and technologies for all Industrial, Commercial & Domestic applications.

OUR RANGE OF PRODUCTS INCLUDE

- RAW WATER TREATMENT PLANTS
- SEWAGE TREATMENT PLANTS
- RECYCLING SYSTEM FOR TREATED EFFLEUNT
- SEA WATER/BRAKISH WATER REVERSE OSMOSIS SYSTEMS
- PROCESS EFFLEUNT TREATMENT PLANTS



Water Treatment Plants

PRESSURE FILTRATION PLANTS

- PRESSURE SAND FILTER
- DUAL MEDIA FILTER
- ACTIVATED CARBON FILTER
- MICRON FILTRATION
- BAG FILTRATION

ION EXCHANGE SYSTEM

- SOFTENING PLANT
- DEMINERALISATION(DM) PLANT
- MIX BED(MB) PLANT

MEMBRANE SYSTEM

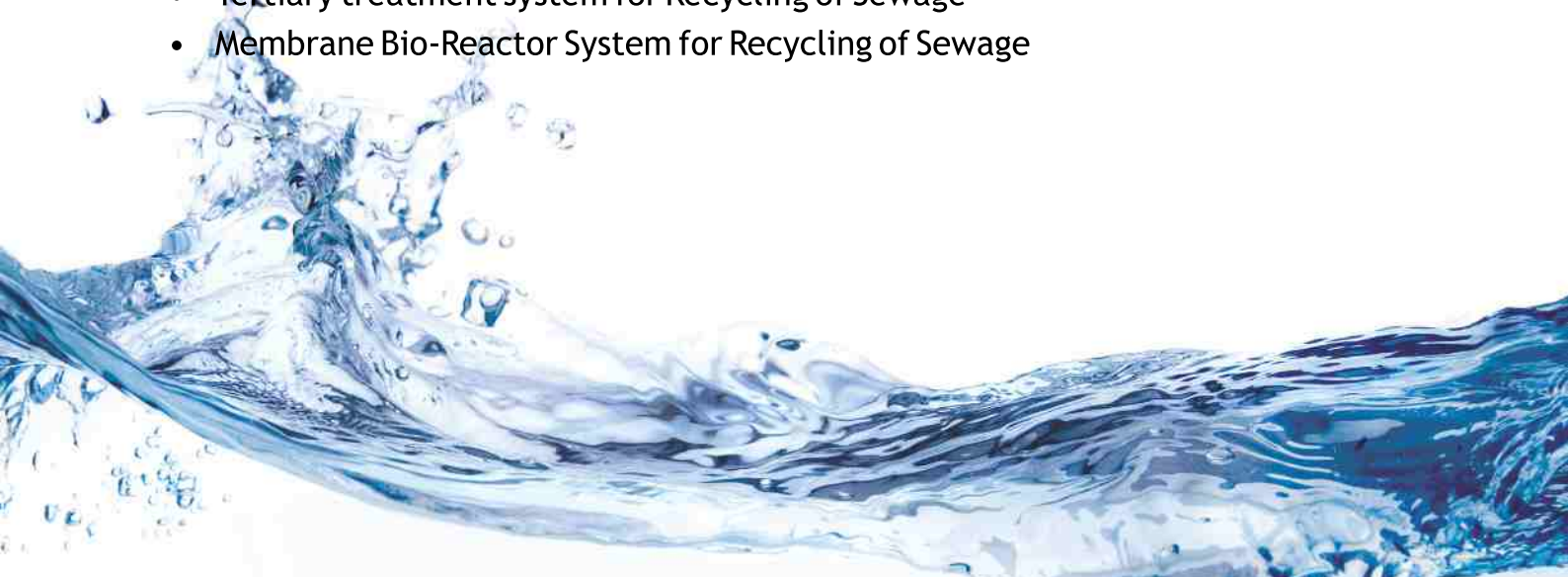
- REVERSE OSMOSIS(RO) SYSTEM
- ULTRA FILTRATION(UF) SYSTEM
- MEMBRANE BIO REACTORS(MBR)
- OZONATION SYSTEM
- CHEMICAL DOSING SYSTEM
- SWIMMING POOL FILTRATION SYSTEM & ACCESSORIES

Industrial Wastewater Treatment

- Physico Chemical Treatment
- Chemical Treatment
- Anaerobic Reactor
- Aerobic System
- Biological Fixed Film submerged Aeration System
- Tertiary Treatment System
- Recycling of Waste water with Ultra filtration or MBR and Reverse Osmosis System

Sewage Treatment

- Anaerobic and aerobic Treatment System
- Tertiary treatment system for Recycling of Sewage
- Membrane Bio-Reactor System for Recycling of Sewage



SERVICES WE PROVIDE

GUJCHEM INTERNATIONAL can provide the following services, in addition to manufacture and supply of equipment, through their team of qualified engineers and skilled technicians.

Consultancy

Study of liquid effluent and recommending the method of treatment

Design

Study the problem and design the process and equipment for treatment with guaranteed results.

Installation

Provide erection guidance and supervision for proper installation of equipment at site.

Commissioning

Provide guidance and supervision for process commissioning.

Turnkey Projects

Undertake *Study, Design, Manufacture and Supply of Equipment, Construction of Civil Structures, Carrying out Piping & Electrical Work, Erection of Equipment & Commissioning of Plant on Turnkey Basis.*

Operation and Maintenance

Undertake operation and maintenance supply of chemical and qualified manpower.

