



***Because  
Health  
Is Essence  
of Life!***

Mfg. Domestic & Industrial  
Water Treatment Plant

R.O. Water Purifier  
Softening Plant, D. M. Plant

Sewage Treatment Plant, E.T.P. Plant  
Pressure Boosting System

Swimming Pool Filtration  
Water Treatment chemicals, Sales & Service AMC

[www.aquatik.in](http://www.aquatik.in)

# ABOUT US

Safety 1st Solution was established in the year 2004 as a Water Purifier and R.O. manufacturer in domestic market. Over the year the company has expanded its products in Commercial & Industrial Water and Waste Water Treatment Plants manufacturing. Currently Safety 1st Solution is An ISO 9001:2015 Certified Company.

Aquatik is one of the pioneer who offers wide range of water and waste water treatment plants. The company has also expanded its technology base, bringing wide range of products to provide green solutions in the industry. Our products have been developed considering international standards and customers requirements. The products which have been developed are not only at par with their efficiency parts but for more economical in comparison as well.

Aquatik is highly committed and competent to provide simple to complex solutions for Water and Waste Water Treatment applications.

We have team of skilled and qualified technocrats. Our entire team strive to achieve highest level of customer satisfaction with best services and awareness about water treatment. Aquatik always insist on providing innovative products with international standards with state-of-the-art technologies to provide green solutions across industry.

Since inception we believe in the preservation of health, environment and growth of society. Perhaps, that's why we took the challenge to provide solutions for the most vital element for life and economy; The Water!

## OUR QUALITY POLICY

- # Continuous improvement in all spheres of our business activities.
- # Provide reliable and quality products and services which enlightens our customers.
- # Delivering service that is prompt and delights customer's expectations.
- # Maximizing value for money for our clients.

## OUR VALUES

- # Low maintenance systems.
- # Superior quality and affordable price.
- # Latest plant designs with advance technology.
- # Educate our clients about water purifications.
- # Filtering solutions constructed using easily available resources.

## OUR MISSION

The "Creation of a sustainable company" is at the basis of Aquatik philosophy apart from a company deeply linked water and environment, indispensable element for life on earth.

Safety 1st Solutions intends to "create products gaining customers trust and satisfaction" for achieving sustainable economic and social growth following the traditions, offering high quality products and services through our technology expertise and enormous experience.

# Domestic

Aquatik is providing flexible wide range of product based on Reverse Osmosis Technology.



STD/Press Auto



Neptune



Mini Compac



Wat-X



Aqua Pluto



Wat-Lily



Aqua Pearl



Glory



Aqua Excess



Camry



Aqua Glance



Alive-pure X



Aqua Alive



Alica



Nexus Pure

## Specification

Installation:	Counter Top/Wall Mount
Inlet Pressure (min):	0.5 kg/sq. cm.
Flow rate:	12-15 LPH
Consumption:	30W (in use)

Purification:	5 to 7 stages (optional)
Storage:	8 to 12 Ltr (Depends on Model)
Purification Technology:	RO/RO + UV/RO + UV + AAA + TDS Controller Electric & Non Eclectic Auto Purifiers.

\*Note: Depends on source water Quality & Models

# Commercial R.O.



STD 25

STD 50

## Commercial 25 to 100 Lph R.O.

Installation:	Open Skid
Flow rate:	25 to 100 Lph
Consumption:	35W to 60W (in use)
Purification:	5 Stages
Duty Cycle:	100 Ltr/day to 400 Ltr/day

\*Higher capacity models are also available.

\*Specification subject to change as per water test report.

# DM Plant

Demineralisation plant offered by us is based on cost effective ion technology with counter current regeneration. DM Plant is the process of removing mineral salts from water by using the ion exchange process. The DM plants are loaded with highly efficient CATION and ANION exchanger and are also loaded with degasification system to remove every trace of minerals from the system.

AQUATIK Offers standard DM Plants with FRP / Mild Steel Rubber Lining & SS 316 L (Quarts Lined) construction.



# Softening Plant

AQUATIK softening plant is designed to remove calcium and magnesium ions which cause the hardness of water. The hardness in raw water gets exchanged with sodium ions in the sodium based cationic resin bed thus giving real soft water. Softening plant is designed to cater to the requirement of scale prevention of utility / plumbing fixtures from total hardness.

Water softening plant is widely used in Individual Home, Bungalow, Apartments, Hotels and Industries for specific purpose.

Aquatik softners are available in MS, MSRL, FRP, S.S. operating in Manual/Auto mode.



# Industrial RO



Reverse Osmosis (RO) is a process of physical separation of dissolved solids and minerals present in water. This technology uses the principle of osmosis, wherein the mineral concentration of raw water is reduced by applying high pressure through a semi-permeable membrane. RO technology offers maximum flexibility to meet diverse requirements. Our customize software helps customers gain the maximum 'RO Advantage' by helping to make the right selection. It gives the right solution and reduced the investment cost. The production range starts from 100LPH (Liter per hour) to 50 M3 per hour for 250 TDS to 20,000 TDS.

We design and manufacture the Reverse Osmosis Plant according to

- Surface Water
- Well Water
- RO Permeate
- Sea Water Well
- Waste Water

\*Specification subject to change as per water test report.



# Water Filtration System

AQUATIK design unique filtration system to improve the treated water quality by removing physical impurities, organic compounds, colour, odor, iron, manganese, turbidity etc.

Filtration is the process by which physical impurities, suspended particles are filtered and different methods are used for filtration like

- Multigrade Sand Filter
- Activated Carbon Filter
- Micron Cartridge Filter
- Bag filter
- Iron/Flouride Removal Filter
- Disc Filter



# Ultra Filtration System

AQUATIK offers ultra filtration plant, which is designed by using advanced technology this design is dependent on different flux rates, pump models, membrane types and inlet water quality, It gives the right solution.

Ultra filtration system is proposed in pretreatment and post treatment. Ultra filtration work on cross flow filtration principle and designed operates at around 95% recoveries. Ultra filtration is a tangential flow, pressure driven filtration process that separates particles on the basis of their molecular size. Pore diameters of ultra filtration membranes are in the range of 0.001 to 0.02 micron. Solvents and species having a diameter smaller than the pore size of the membrane will pass through the membrane and emerge as ultra filtrate, known as permeate. Rejected species are progressively concentrated in the retained steam. Ultra filtration membranes are reusable and cleanable with standard chemicals.



# Waste Water Treatment Plant

A large quantity of industrial and commercial effluents causes pollution in our environment. Our plants handle these effluents in most of make our environment safe and healthy. To keep our environment safe, we offer innovative Wastewater Treatment Plants to remove the pollution effluents with economical operation and quality discharge to meet the stringent pollution control norms. It mainly depends upon the type of effluent when various processes are developed for the cost effective treatment. The technological solutions are available after complete research and trial run at our pilot plants.

AQUATIK offers a wide range of wastewater treatment plants in RCC constructed designs for commercial and residential buildings as well as Mild Steel FRP Lined and Fiber constructed tanks for easy installation and commissioning. Wastewater treatment systems are available from 5 m<sup>3</sup>/day to 500 m<sup>3</sup>/day and more... Packaged units come in standard modules with capacities ranging from 5 m<sup>3</sup>/day to 200 m<sup>3</sup>/day.

We are engaged in offering our clients optimum quality made wastewater treatment plants, which have high demand in the market. These plants are precision engineered using high grade material in compliance with the industry set norms.



## Application

### STP Plant:

- Housing Complexes
- Restaurant
- Institution
- Service Stations
- Hotel & Resorts

### ETP Plant:

- Food & Food Processing Industries
- Pharmaceutical Industries
- Textile Industries
- Dairy Industries
- Fertilizer Manufacturing Industries





# Swimming Pool Filtration

We bring swimming pool filter system, a swimming pool filter system that keeps the water of your swimming pool, hygienic, comfortable and enjoyable. We ensure that you receive the swimming pool filter system solution that works best in term of quality, compliance and cost. All systems are built with an exclusive modular design that allows for quick and simple inspection and cleaning of cells. These system allow for simple "in field" removal and re-installation of individual componenets without having to call for the services of an elecycrician or plumber.

## PRODUCT RANGE

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| <ol style="list-style-type: none"> <li>1. Reverse Osmosis Plant (RO Plant)</li> <li>2. Softening Plant</li> <li>3. Demineralisation Plant (DM Plant)</li> <li>4. Sea Water Desalination Plant</li> <li>5. Swimming Pool Filtration &amp; Accessories</li> <li>6. Ultra Filtration Plant / Nano Filtration Plant</li> </ol> | <ol style="list-style-type: none"> <li>7. Water Filtration Plant           <ul style="list-style-type: none"> <li>-Multigrade Sand Filter</li> <li>-Activated Carbon Filter</li> <li>-Micron Cartridge Filter</li> <li>-Bag Filter</li> <li>-Iron/Flouride Removal Filter</li> <li>-Disc Filter</li> </ul> </li> </ol> | <ol style="list-style-type: none"> <li>8. Waste Water Treatment Plant           <ul style="list-style-type: none"> <li>-Sewage Treatment Plant (STP)</li> <li>-Effluent Treatment Plant (ETP)</li> </ul> </li> <li>9. Water Treatment Chemicals</li> </ol> |
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## Safety <sup>1st</sup> Solutions

AN ISO 9001:2015 CERTIFIED COMPANAY

207, Ronak Complex, Opp. Bombay Hotel,  
Gondal Road, RAJKOT (Gujarat - India)

✉ info@aquatik.in  
safety1stsolution@gmail.com

🌐 aquatik.in

☎ 0281-2465123

aquatik.in

📞 +91 98251 29990

