



KM AQUA TECH



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About Us

We take Immense pleasure in introduce ourself as a leading company in the field of water treatment, dealing with supplies & servicing of water treatment plants like Softener Plants, Industrial & commercial Reverse Osmosis (RO) systems, Sewage Treatment Plants & Effluent Treatment Plants.

We are supported by excellent, dedicated, well qualified, trained service person in the field of water treatment.



We also represent for various RO related products and supply components like Dosing Pumps, High Pressure Pumps, RO Housings, RO Membranes, SS Tanks Resins & Activated Carbon as per the client requirements.

Industrial RO Plant

Industrial reverse osmosis (RO) plants are manufacturing plants that use a membrane to purify water for a variety of industrial applications:






Water quality

RO plants can remove up to 99% of dissolved salts, bacteria, viruses, and chemicals from water. This makes the water safe for consumption and improves its taste, odor, and clarity.

Industrial applications

RO plants are used in many industries, including food and beverage, manufacturing, water treatment, pharmaceuticals, and semiconductors.



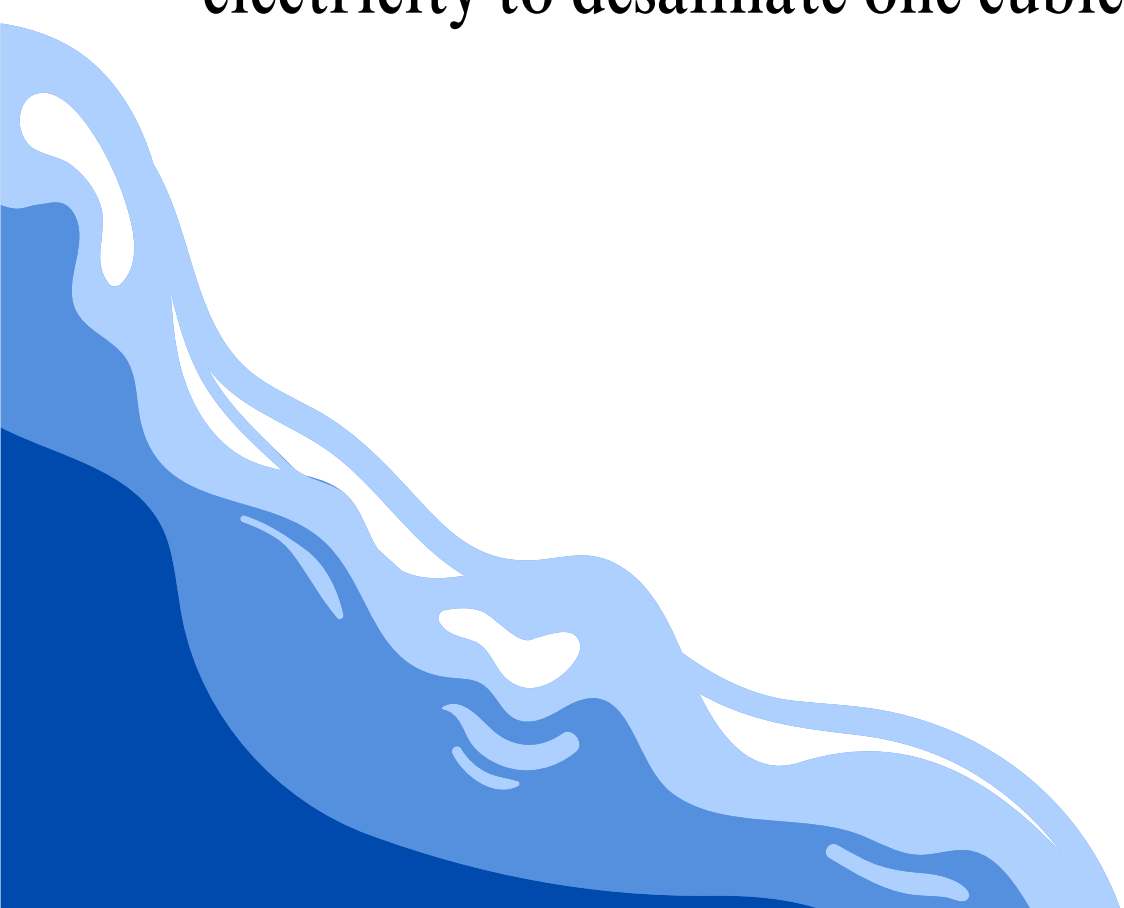


How it works

RO plants use a semipermeable membrane to force water molecules through from a high concentration side to a low concentration side. The membrane traps impurities while allowing clean water to pass through.

Energy consumption

On average, an industrial RO plant uses six kilowatt-hours of electricity to desalinate one cubic meter of water.



Commercial RO Plant

A commercial reverse osmosis (RO) plant is a large-scale water purification system that uses membranes to produce clean, safe drinking water



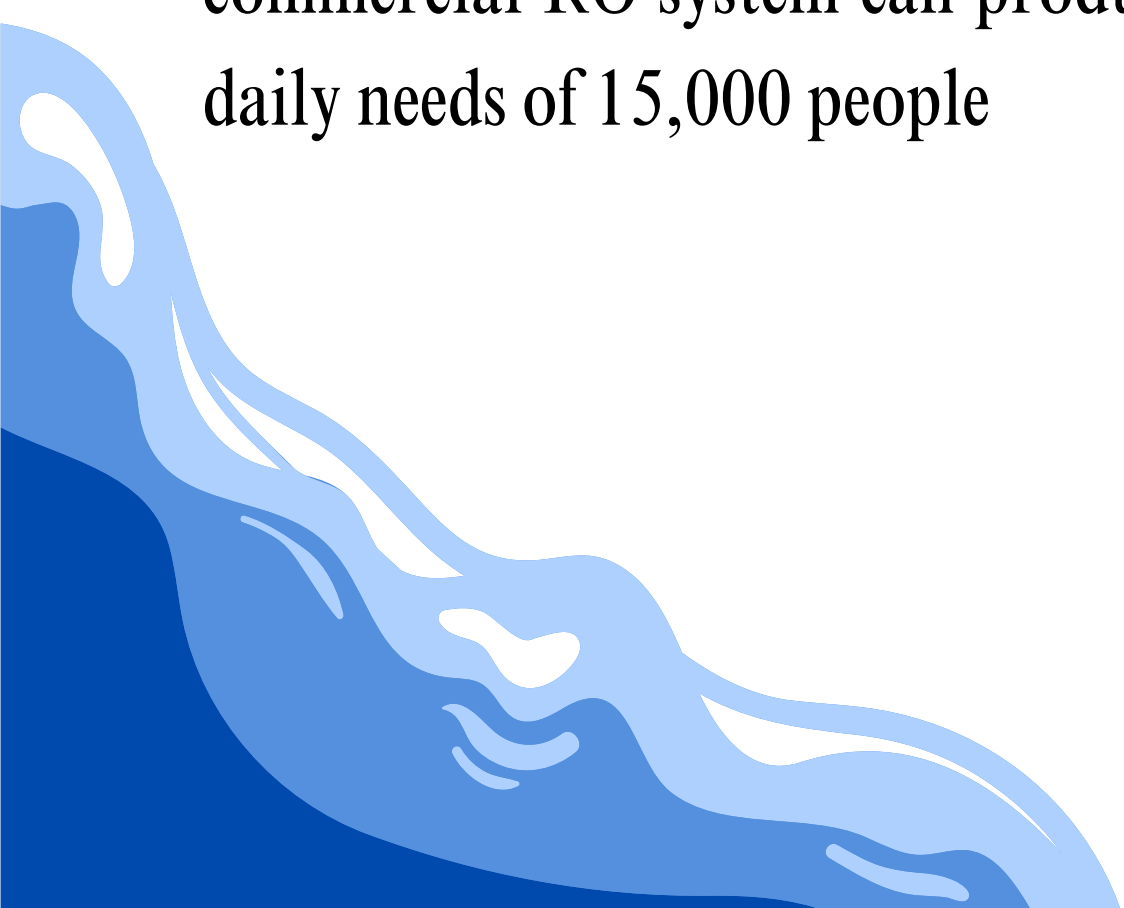


How it works

A high-pressure pump forces water through a semi-permeable membrane with tiny holes, removing up to 99% of contaminants and impurities. The water that passes through the membrane is called permeate or product water.

Capacity.

Commercial RO plants can produce water at rates ranging from 25 liters per hour (LPH) to 3,000 LPH. A high-end commercial RO system can produce enough water to meet the daily needs of 15,000 people






Uses

Commercial RO plants are used in many industries, including water bottling, restaurants, educational institutions, and office and IT parks.

Benefits

Commercial RO plants help reduce the risk of water-borne diseases and can help people start their own bottled water businesses.



Water Softeners

Water softeners are devices that remove minerals like calcium and magnesium from water, making it softer. They are also known as ion exchange units.





Here's how water softeners work:

- Resin beads

Resin beads in the water softener trap calcium and magnesium.

- Ion exchange

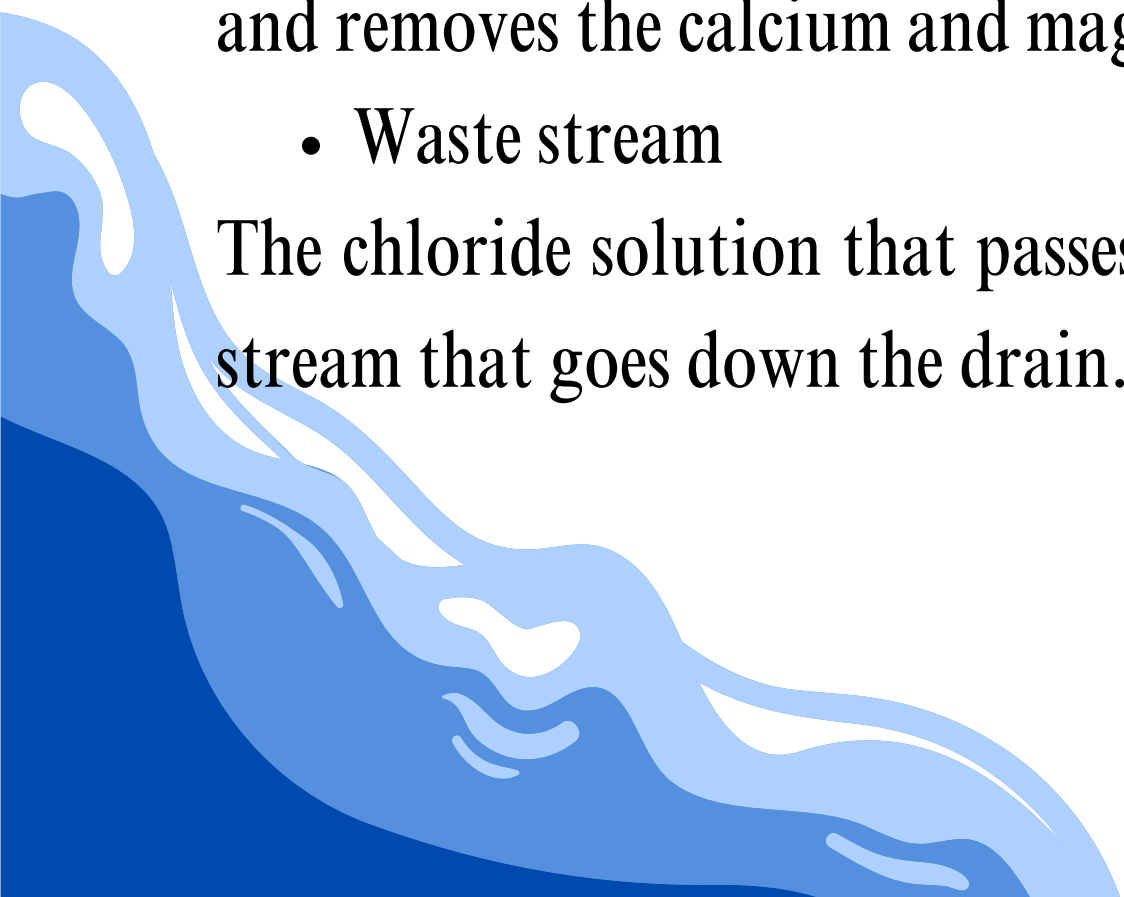
The resin beads exchange the calcium and magnesium for sodium or potassium.

- Regeneration

When the resin beads are full, a brine solution flushes them out and removes the calcium and magnesium

- Waste stream

The chloride solution that passes through the beads is a waste stream that goes down the drain.




Water Conditioner

Water Conditioning – Unlike water softener systems that remove and replace dissolved minerals in hard water, a water conditioner system treats the water to remove different types of unwanted contaminants.





Offering Best Solution for your Life

- Save money on cleaning products
 - Improve the efficiency of your water heater
 - Help treat skin conditions
 - No more bad hair days
 - Reduce cleaning time
 - Cleaner laundry and dishes
 - Tastier food and drink
 - Protect your appliances
 - Luxurious baths and showers
 - Streak-free car washes
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It comes with

- ✓ No High Cost
 - ✓ No Maintenance
 - ✓ No Plumbing
 - ✓ No Water Wastages
 - ✓ No Electricity
 - ✓ No Manpower
- 

INSTALLATION

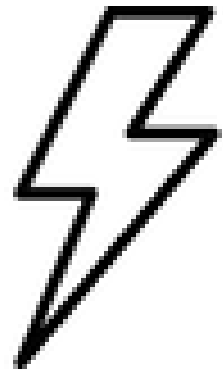
Just hang the system in your over head tank with attached plastic cord so it's very easy & simple.



**NO
MAINTENANCE**



**NO
WATER WASTAGE**



**NO
ELECTRICITY REQUIRED**



**NO
MANPOWER REQUIRED**

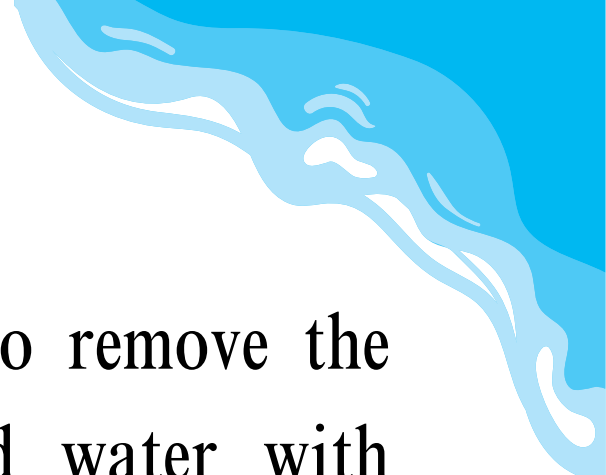
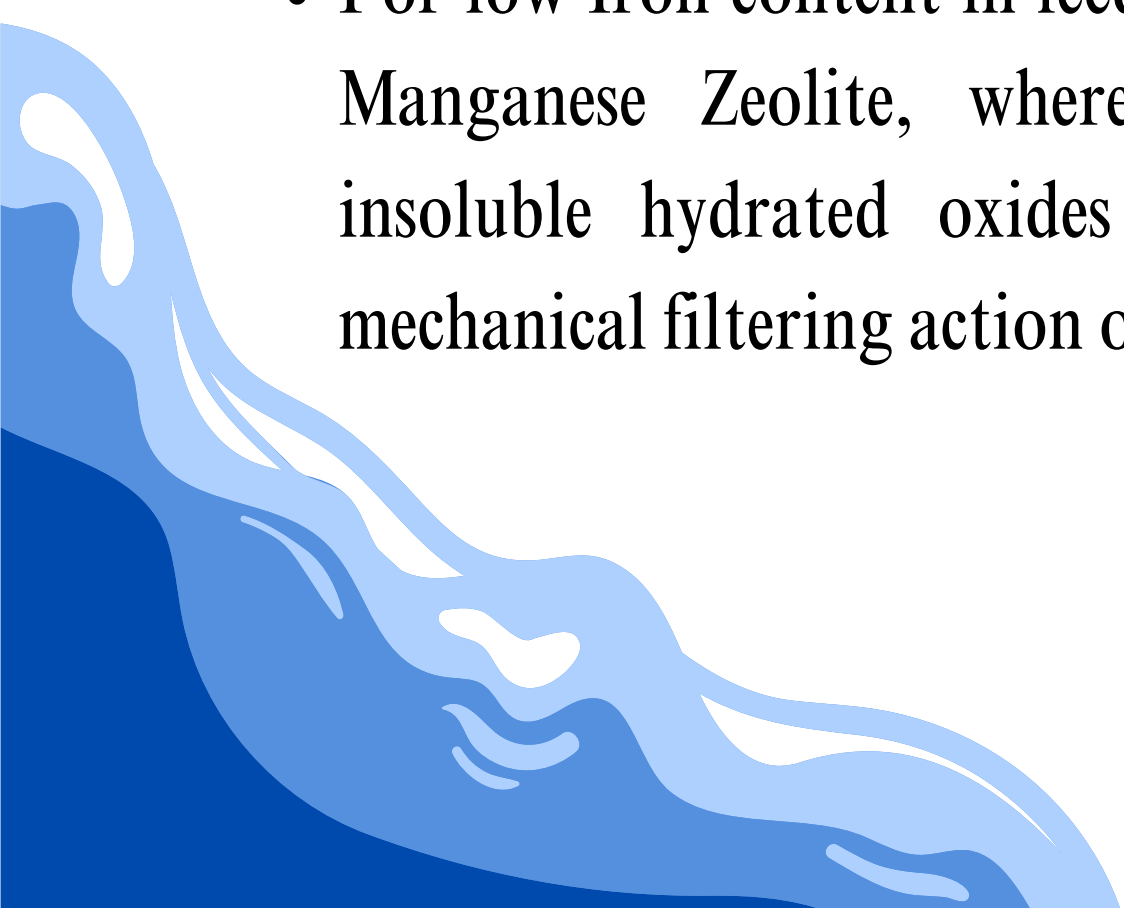


**NO
PLUMBING**

Iron Removal Filter

The iron filter uses high quality activated carbon and BRIM (Best Iron Removal Media) Media and Gravel sand media. The high-quality media ensures efficient remove of iron particles present in water and at the same time increases the life of the filter.




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- The Iron Removal Filters are designed to remove the Excess Iron content present in the feed water with minimum pressure drop.
 - The working principal of Most iron filtration systems operate on oxidizing the iron (oxidation) to convert it from a ferrous (dissolved or soluble) to a ferric or undissolved state. Once the iron is converted to ferric state, it is precipitated on a filter bed.
 - For low Iron content in feed water, the Filter consists of Manganese Zeolite, where the iron is oxidized to insoluble hydrated oxides that are removed by the mechanical filtering action of the Zeolite bed
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Ultrafiltration Plants

Ultrafiltration is a low-pressure membrane process used to separate bacteria, viruses, and high molecular weight compounds colloidal and particulate matters from a feed stream. Ultrafiltration has larger pores and high permeability with less osmotic effects that allows ultrafiltration to operate at relatively lower pressure than nanofiltration and reverse osmosis and is therefore it is least costly to operate.






Ultrafiltration is widely used in industry as pretreatment for other forms of purification such as ion exchange and reverse osmosis, gelatin and protein concentration in the pharmaceutical industry, sugar clarification in the food and beverage industry, cheese and whey concentration, production of ultra pure water, clarification of juice, downstream processing, membrane bioreactors, treatment of bleach plant effluents, and recovery of lignin compounds in the pulp and paper industry.

Ultrafiltration can be used to reject virus, bacteria, pyrogens, endotoxins, and particulates but not ionic species.






Advantages of UF over Conventional Media Filtration

- Improved product quality
 - Product SDI typically less than 1
 - Removal of virus, and bacteria
 - Removal of microbiological matter
 - Removal of colloidal matter
 - Colloidal Silica Reduction
 - Improvement of downstream Reverse Osmosis (RO) performance
 - Consistently treated water quality irrespective of changes in feed water quality
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Applications of Ultrafiltration

- Pretreatment to RO system (brackish and seawater applications)
 - Purification of surface and well water for potable applications
 - Filtration of industrial water
 - Membrane Bio-Reactor
 - Wastewater recycle and reuse
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Water Treatment Spares

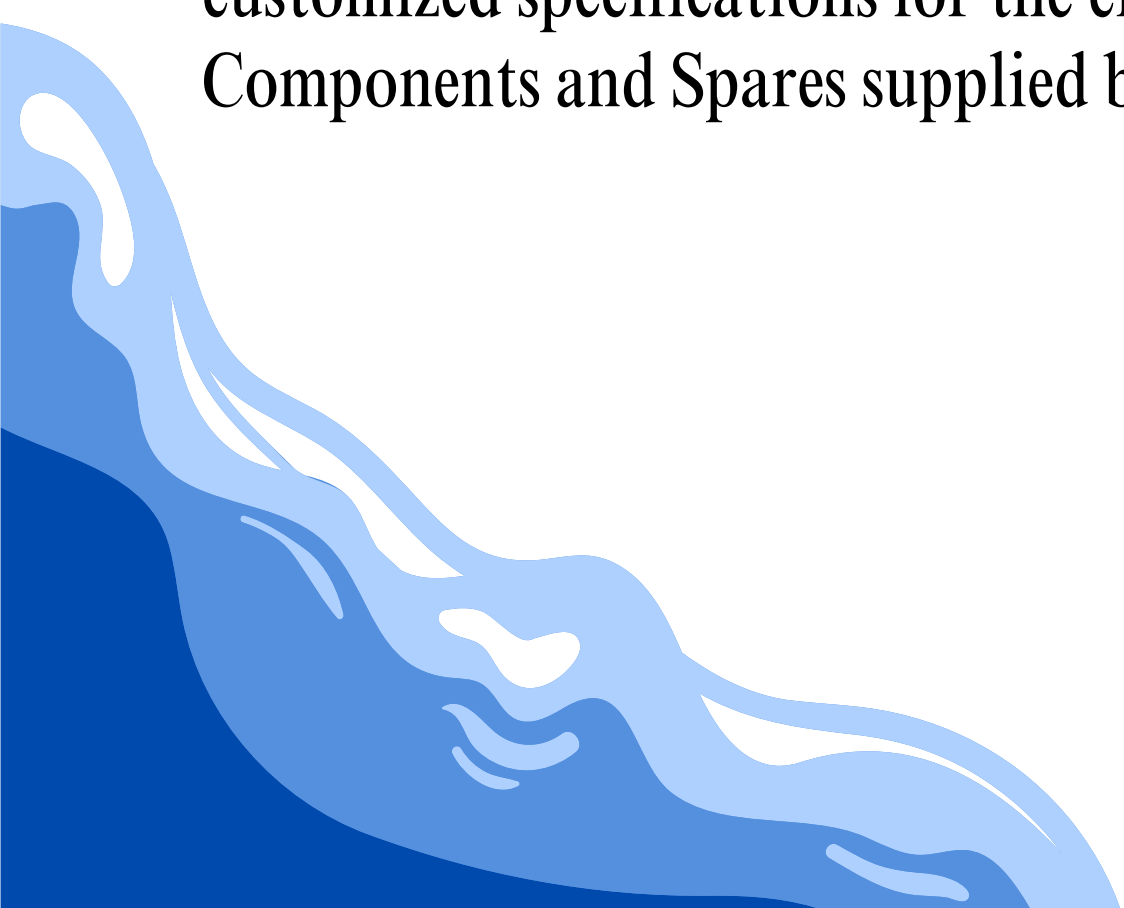




KM AQUA TECH is greatly dedicated to supply the unique water solutions products which include Water Treatment Spares Parts and more products to various industries located in different parts of India.

KM AQUA TECH is one of the prominent suppliers of water treatment plant spare parts. All of our products and services are supported by very well trained professionals and engineers who have experience of more than a decade in the field of Water Treatment Services and Systems.

These spare parts are also available in numerous standard as well as customized specifications for the clients. The Water Treatment Components and Spares supplied by us are mentioned below:



Vertical Inline Multistage Pumps:

We Supply pumps to create pressure for the various water treatment plant processes.

We Supply Brands Includes

- Grundfos
- CRI
- Kirloskar



Enriching Lives

KIRLOSKAR BROTHERS LIMITED

Industrial RO Membranes:

We Supply Industrial RO Membranes Brackish Water, Sea Water & Low Fouling Membranes available both in 4" & 8".

We Supply Brands Includes

- Hydranautics
- Filmtec
- Toray
- Polymex
- Qurem



Membrane Pressure Vessel:

We Supply the finest pressure vessels that are designed to handle the highest pressure required by membranes today during treatment operations.

These pressure vessels are coated with highly durable fiberglass and incorporate end caps for longer life usage in the face of corrosive conditions.



We Supply Brands Includes

- Codeline
- UKL
- KAITUBES



Dosing Pumps:

KM AQUA TECH Supply dosing pumps which is a positive displacement pump, is designed to inject a chemical or another substance into a flow of water, gas, or steam. Dosing pumps, which are typically small, provide an extremely precise flow rate for maximum control.

We Supply Brands Includes

- Milton Roy
- Edose
- Idose
- UKL
- KAIDOSE



RO Antiscalant:

Selecting the correct antiscalant is critical to providing optimum operating conditions for both sea and brackish water RO plants. Correct product application will help to ensure the plant runs as efficiently as possible. It may also reduce operational expenditure, through energy savings, reduced cleaning frequency and extending the life of the membrane.

We Supply Genesys RO Antiscalant used in reverse osmosis (RO) and nanofiltration systems. Genesys antiscalants can help reduce the frequency of membrane cleaning and replacement, and can help lower capital and operational costs. Some Genesys antiscalants include:

Genesys LF (Broad Spectrum Antiscalant & Antifoulant)

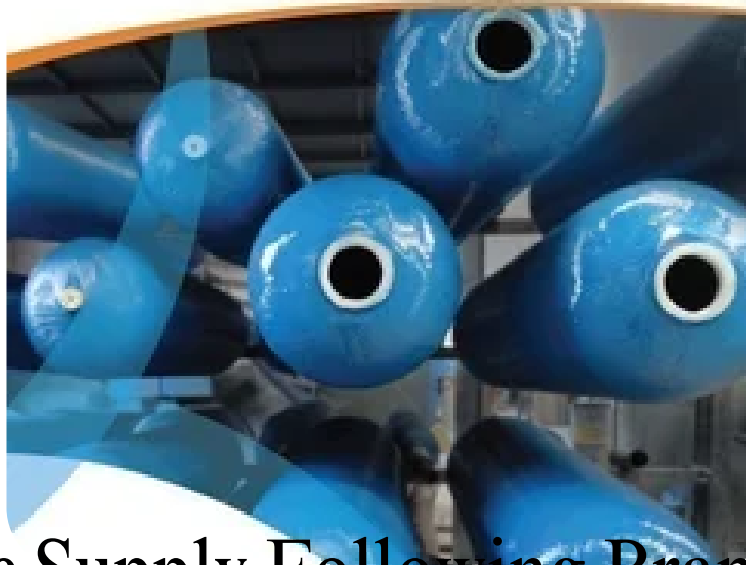
Genesys LF 60 (Broad Spectrum Antiscalant)

Genesys LS (Small/medium)



FRP PRESSURE VESSELS:

FRP Pressure Vessels are an ideal choice for residential and light commercial water treatment applications that require flexibility. They are easy to handle and install and are available in standard polyester or chemical-resistant vinylester construction depending on your needs.



We Supply Following Brands:



Manual Multiport Valves:

We supply Multiport valves [MPV] for wide range of application. Multiport valves are used in filters, softeners, twin bed as well as mixed bed demineralizers and, DM Plants



We Supply UKL, Initiative Engineering, Solo & ORG (Runxin) makes Manual multiport valves both for Filtration & Softener purpose.

Automatic Multiport Valves:

The Automatic Multiport Valve is designed for seamless fluid management in a variety of applications.



40 NB



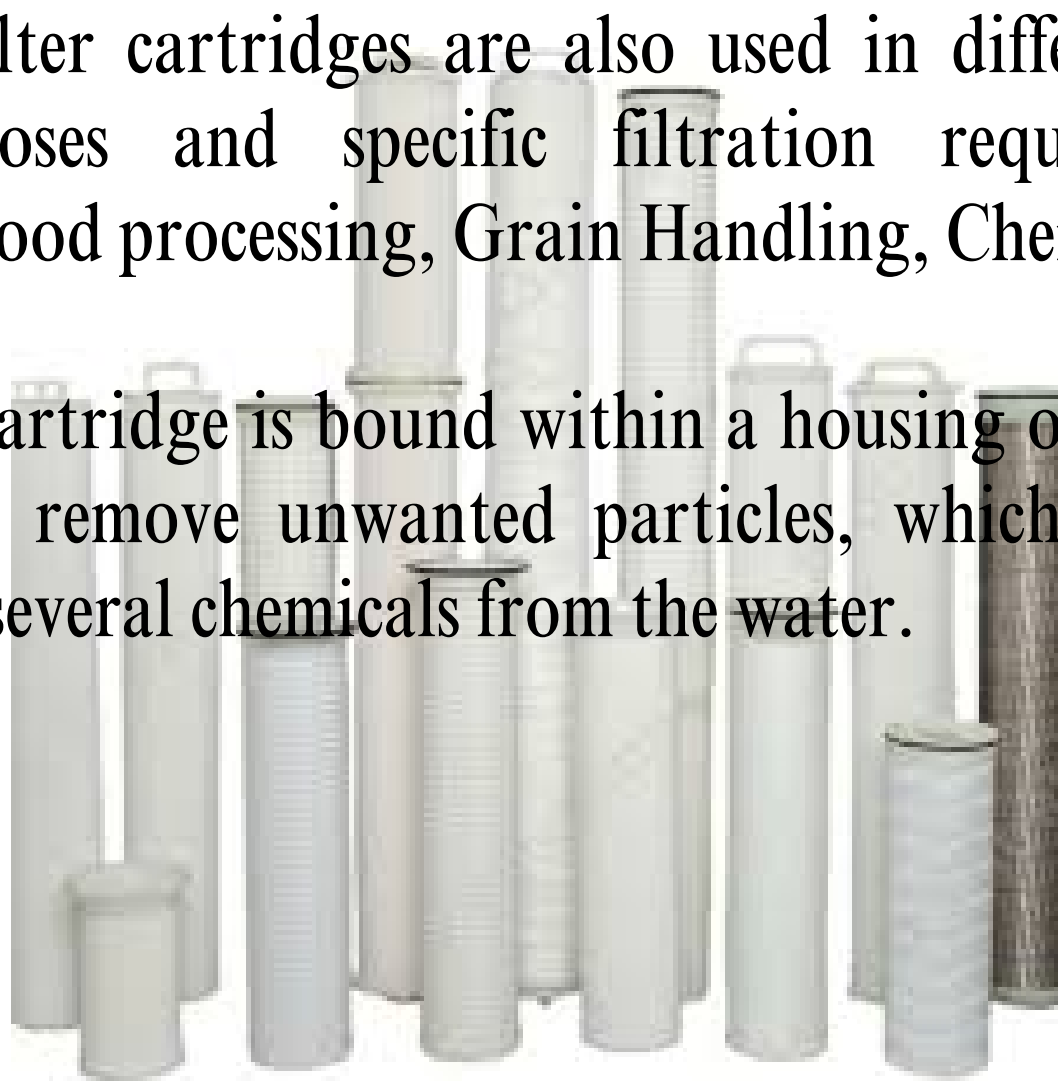
We Supply Initiative Engineering, Solo & ORG (Runxin) makes automatic multiport valves both for Filtration & Softener purpose.

Cartridge Filters:

A Cartridge Filter is a part of a RO system that plays a very important role in making the water clean and safe.

These Water filter cartridges are also used in different industries for different purposes and specific filtration requirements such as sandblasting, Food processing, Grain Handling, Chemical Industry, etc.

A water filter cartridge is bound within a housing or a casing, and it is widely used to remove unwanted particles, which are large in size, pollutants and several chemicals from the water.



Cartridge Filters Housing:

Cartridge filters housing are an important component in the **filtering** process, designed in cylindrical shape it **houses** a replaceable **filter** element – **cartridge**.



Control Panels:

The industrial RO control panel is based on state of the art technology processor. It has 6 digital inputs and four outputs. It also has Conductivity and Flow (pulse type) Sensor inputs. It can be set for Manual pre-treatment operation or Automatic pre-treatment operation.



RO Water Purifier:

Water Purifier your whole family will be able to benefit from clean tasting water on tap without hassle or great expense.



Water Dispensers:(NHS)

Water Dispensers available both Table Top & Floor Standing Models which incorporates with RO connection if required.



We also Supply all the instruments used for Industrial RO Plants such as Low Pressure & High Pressure Switches, Pressure Gauges, Flow Meters, Rota Meters, Level Float Switches, Water Level Control Units & TDS Meters Etc.





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