



Aqua Mech[®]

Total Water Solution

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DEMINERALIZES WATER SYSTEM (DM PLANT)



- ❖ DM Plant is used to remove total Ion (TDS) of Water.
- ❖ A demineralizer removes these minerals from the raw water by an ion-exchange process.
- ❖ Cation exchanger replaces all the positive ions with (H+) ions from water.
- ❖ Anion exchanger replaces all the negative ions with (OH-) ions from water.
- ❖ Polishing unit (Mixed Bed) is used to get outlet water TDS less than 1ppm.
- ❖ As per OBR (Output Between Regeneration) and Flow rate and custom made by design, FRP, M.S. Vessels.
- ❖ Available in various size from 200 LPH to 20000 LPH

REVERSE OSMOSIS SYSTEM (RO PLANT)



- ❖ Ro plant is used to removes ion (TDS) upto 95 to 98% from water.
- ❖ It also removes bacteria and virus resulting in good quality of water outlet.
- ❖ It mounted on SS 304/M.S. Power coated frame which gives a clean look and longer life.
- ❖ It is a separation process that uses pressure on membrane to give rejected water and permeate water.
- ❖ Available in various size from 250 LPH to 50000 LPH.

PHARMACEUTICALS PURIFIED WATER SYSTEM & DISTRIBUTION SYSTEM (RO EDI)



- ❖ EDI is a water treatment technology that uses electricity, membrane and resin to remove ionized species from water.
- ❖ It is used for avoiding Regeneration part of other technologies and it gives a highly pure ultra-pure water.
- ❖ Ultra Purification water can be delivered to each point of use in the sterile distribution system without recontamination.
- ❖ The entire distribution system is to be made of SS316L EP stainless steels tubes, which are orbitally welded.
- ❖ Storage tank – SS316L and Jacketed with internally electropolished and externally matt finish.
- ❖ Available in various size from 100 LPH to 25000 LPH.

SAND FILTER / CARBON FILTER



- ❖ Sand filter are used for removing mud, dirt, turbidity & Suspended solids of water.
- ❖ Carbon filter is used for the reduction of excessive free chlorine, odour and to some extent organic matters.
- ❖ Available in FRP and M.S. Vessels.
- ❖ Application – Boiler feed water, Raw Water, Effluent treatment plants etc.
- ❖ Applicable in various size like 500 LPH to 50000 LPH.

WATER SOFTNER



- ❖ Softner is used to remove hardness water like calcium and magnesium.
- ❖ Hardness of water get exchange by sodium ions and softened water to commercially zero ppm.
- ❖ Available in FRP and M.S. Vessels.
- ❖ Application – Boiler feed water, Raw Water, Effluent treatment plants etc.
- ❖ Applicable in various size like 500 LPH to 50000 LPH.

SEWAGE TREATMENT PLANT (STP)



- ❖ Sewage treatment is biological degradation of organic matter, impurities present in sewage and reduce BOD and COD from the effluent.
- ❖ It is removing contaminants from wastewater, primarily from household sewage.
- ❖ After Sewage treatment treated water also used in flushing, gardening and cooling tower.
- ❖ Available in various size like 1 KLD to 100 KLD.

EFFLUENT TREATMENT PLANT (ETP)



- ❖ ETP is used for treating the industrial waste water for its reuse or safe disposal to the environment.
- ❖ It is used for the removal of high amount of organic compounds, debris, grit, polymers etc.
- ❖ It is a key operational control implemented to reduce the pollution load of wastewater to the extent the legal standards for the wastewater discharge.
- ❖ Available in various size like 1 KLD to 100 KLD.

UV SYSTEM



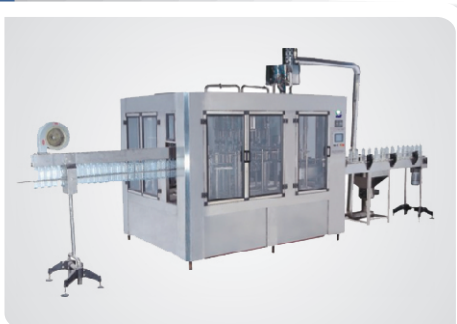
- ❖ UV systems **destroy 99.99% of harmful microorganisms** without adding chemicals or changing your water's taste or odor.
- ❖ It is used for disinfection of bacteria, viruses, mold, algae and TOC removal.
- ❖ Germicidal ultraviolet rays used to treat water.
- ❖ Used in Pharma, food industries and other specific application area.
- ❖ Available in various size like 250 LPH to 50000 LPH.

ELECTRICAL CONTROL PANEL



- ❖ Industrial electricals panels are used across numerous industries to direct electric currents among the many pieces of equipment within a facility.
- ❖ APFC is an automatic power factor control panel which is used to improve the power factor and avoid to electricity penalty.
- ❖ Electrical panel as per custom made design, M.S. Powder Coated and Stainless Steel.

AUTOMATIC FILLING MACHINE



- ❖ We are offering an innovative collection of fully and automatic bottle filling machine.
- ❖ These filling machine by making use of high-grade raw material and high-end technology so as to maintain the set industry standards.
- ❖ Available in various size from 24bpm to 320bpm.

SPARE PARTS

MULTIPORT VALVE



INSTRUMENT



CARTRIDGE FILTERS



PRESSURE TUBE



FRP VESSEL



RO MEMBRANE



CHEMICAL



DISTRIBUTION SYSTEM



STRAINERS



HOUSING FILTERS



RESIN



ACTIVATED CARBON



MEDIA



FLOAT SWITCH

