



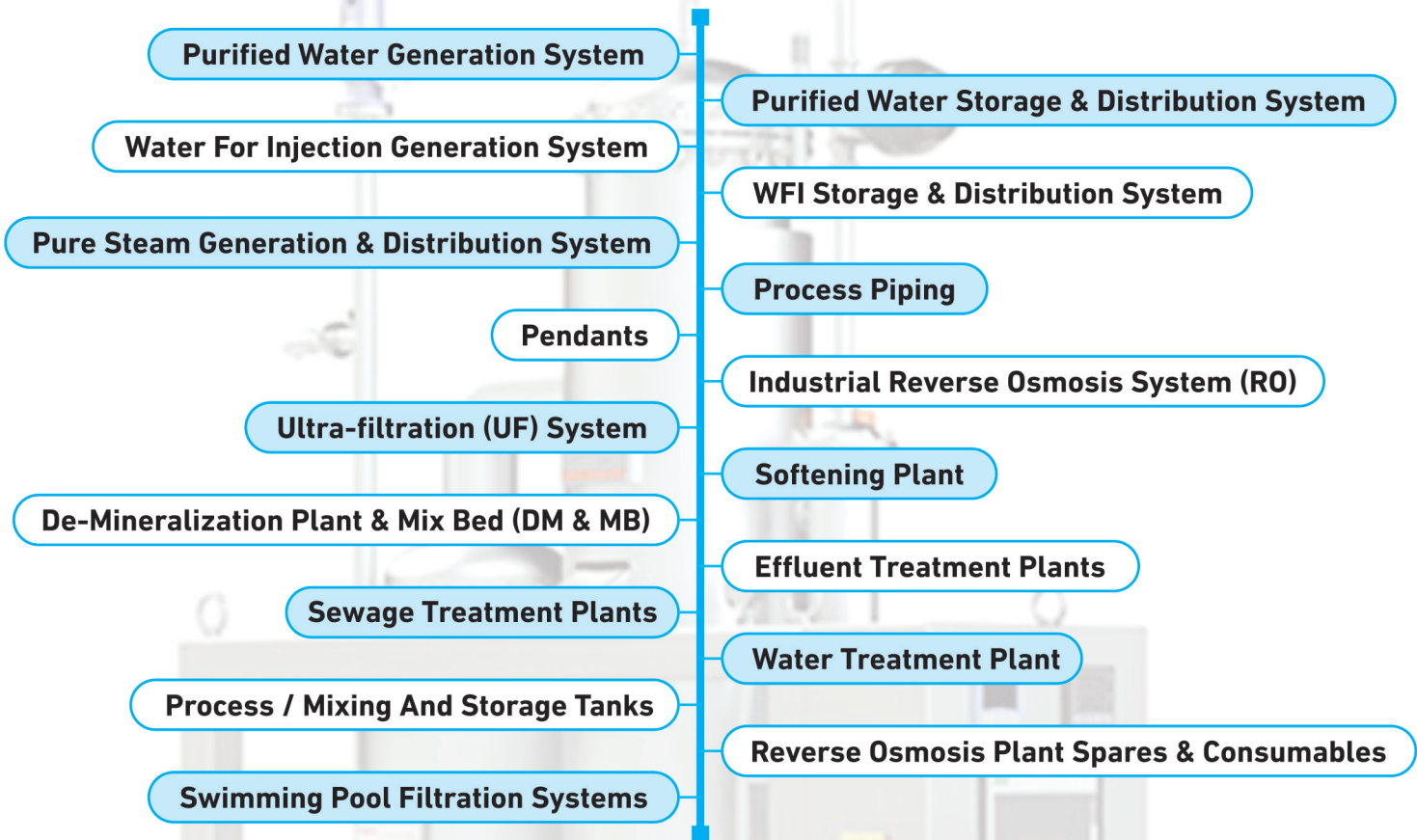
APURVA

WATER MANAGEMENT SYSTEMS PVT. LTD.
WATER - TODAY'S RESOURCE,
TOMORROW'S TREASURE



Apurva Water Management Systems Pvt. Ltd. Is a water-business corporation, headquarter in Gujarat, India. We are into the managing of water since 1999 to give the value-added services. We manufacture systems which treats the water from their source and being consumed in different processes like pharmaceutical application, Chemical & Resin, Hospital, Food, and beverages Engineering facilities etc.

- **The following are our value-added products which we Design, Manufacture, Supply, Erect& Commission as per the customer's requirement.**



We have supplied more than 400 Water Treatment System with different capacities & scheme in various industries.

We have undertaken more than 50 Annual Maintenance Contracts (AMC) & Operation Maintenance Contracts (O & M) for the Water Treatment Systems.

PURIFIED WATER GENERATION SYSTEM

AWMS, with its vast experience leading solution provider for Purified Water Generation System(PWGS) applicable for Pharma, Life Science, Healthcare and Cosmetics Industry. We treat the water from source and can achieve water quality which are compliant to quality standards set by global regulatory bodies like USFDA, UKMCA, MHRA, ANVISA, WHO etc.



AWMS providing reliable and innovative solutions to pharma industry for its high purity water requirements.

USP Grade Water Quality of Purified water Generation System:

Conductivity: < 1.3 μ S/cm @ 25 °C, pH: 5-7

Total Bacterial Count (TBC): < 100 CFU / ml

Total Organic Carbon (TOC): < 500 ppb

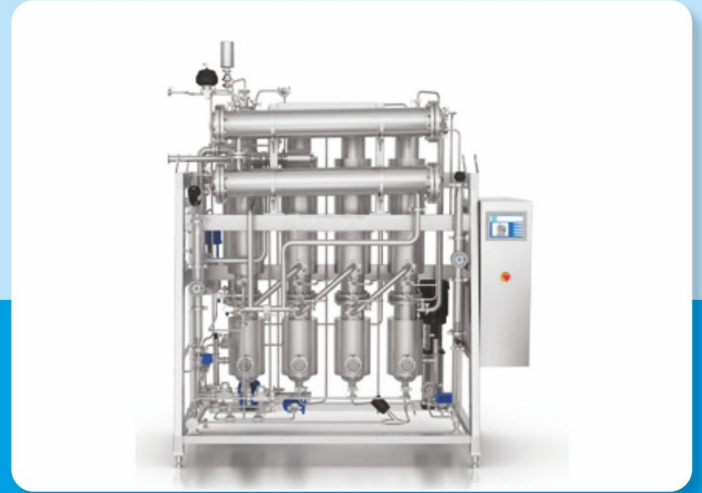


PURIFIED WATER STORAGE & DISTRIBUTION SYSTEM

AWMS Offers purified water storage & distribution system which has a minimum velocity of 1-1.2 m/sec & maximum velocity of 3.0 m/sec in all the sections of the distribution lines to ensure turbulent flow during normal operation to avoid bio-film formation. Internal surface finish for loop piping is less than 0.45Ra

WATER FOR INJECTION GENERATION SYSTEM

WFI Generation or thermal distillation, single or multi-effect, is the most popular method of Water for Injections (WFI) generation. The source for WFI generation by distillation is usually Purified Water. The feed water for the thermal distiller must meet at least necessary attributes for the PW. However, AWMS provides recommended feed water meets USP PW quality requirements.



WFI STORAGE & DISTRIBUTION SYSTEM

AWMS offers smart design for hot WFI storage and distribution includes various components and online monitoring instruments to ensure that the appropriate water quality is maintained.

The entire loop operation is fully automatic and the tank levels, loop piping velocity, temperature and conductivity is strictly controlled through PLC.

PROCESS PIPING

It is piping (SS316L) for product and product related material which are used in production process. We provide the same with complete automation.



PURE STEAM GENERATION & DISTRIBUTION SYSTEM

Pure Steam is evaporator purified water that is utilized throughout the clean manufacturing process. Typically, Pure Steam is generated by pumping a purified feedwater through a shell and tube evaporator, which when heated by plant steam, evaporates, and migrates to a centrifugal separator. This evaporation method ensures constant wetting of tube surfaces thus minimizing the potential for scale formation and corrosion of the tube surface.

Pure Steam distribution system will supply the pure steam at required places in pharma plant.



INDUSTRIAL REVERSE OSMOSIS (RO) PLANT

AWMS is backed by leading membrane manufacturers.

Industrial Reverse Osmosis is an effective technology to produce clean water that is suitable for many industrial applications like Boiler, Chemical, Food & Beverages, Hospitals, Engineering Facilities, and other utilities. Further, we are making RO system for recycling applications such as cooling tower/ boiler blow down water recycling system, Effluent/ sewage water recycling system, etc.

ULTRA-FILTRATION (UF) SYSTEM

AWMS offers Ultrafiltration (UF) systems where water is forced through a semipermeable membrane. Suspended solids and high-molecular-weight solutes remain on one side of the membrane. These membranes are made up of high molecular material using special and sophisticated technology. The pore size ranges from 0.04 to 0.1 μm for various applications.



PENDANTS

Pendants are having their aesthetic importance in Pharma plants. Pendants are designed to facilitate various Utilities/Services (WFI / DM water piping loops, electrical cabling, steam / chilled water lines, process media lines) to be brought into the sterile area or working area in a close nesting manner, to provide easy access to services.



DE-MINERALIZATION PLANT & MIX BED (DM & MB)

AWMS put forward Demineralized Water (Deionized Water), Water that has had its mineral ions removed. Deionization is a physical process which uses specially manufactured ion exchange resins which provides ion exchange site for the replacement of the mineral salts in Water with Water forming H^+ and OH^- ions.

Mix Bed Plant are ion exchangers that include both cation and anion resins that are put together into a single vessel so that pure water can be created. This plant has a mix of strong acidic and basic cations in the perfect ratio.

EFFLUENT TREATMENT PLANTS

Effluent Treatment Plants are design to treat the industrial wastewater for its reuse or safe disposal to the environment. We are giving solutions to many industrial sectors in disposal of wastewater like Pharma, Textile, Chemical, Power Plants, Distilleries, Fertilizers, Tannery, Food & Beverages, FMCG, Auto Mobiles etc.



SEWAGE TREATMENT PLANTS

AWMS Design & Manufactures STP plants which design for treating the domestic wastewater for its safe disposal to the environment. The main objectives of STP are to transform the dissolved and particulate biodegradable constituents into acceptable end products, capture and incorporate suspended and no settleable colloidal solids into a biological form or biofilm, transform or remove nutrients like nitrogen and phosphorus. We are making STP in different technologies like SBR, MBBR, FMBR, MBR etc.

SWIMMING POOL FILTRATION SYSTEM

Apurva Water design, manufacture, supply and provide the services for the swimming pool filtration system and accessories for the same. The system is designed in such a way that the wastewater is minimum.

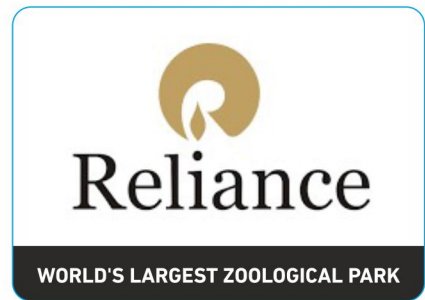
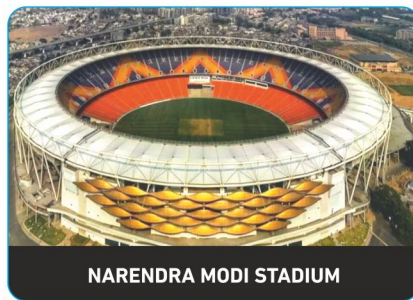
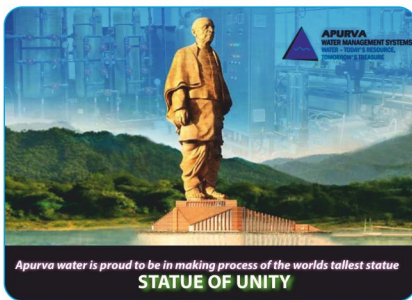




PROCESS / MIXING AND STORAGE TANKS

Apurva Water management Systems is one of the leading manufacturers, supplier of superior quality Stainless Steel Mixing Tanks (SS 304 - SS316L) in different types, various sizes, and grade qualities as we offer our products according to the client's requirements and specifications like Top/Bottom Agitator, Loadcell etc.

OUR PROUD MOMENTS



OUR CLIENTS



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