Water Treatment Solutions

Hospitals | Clinics

TEMAK®
TOTAL WATER SOLUTIONS

Appropriate Water Treatment **Solutions** mean **Efficiency And Economy**

Water treatment in public and private hospitals and clinics is a primary need. TEMAK provides water treatment plants and disinfection systems suitable for hemodialysis, production of potable water, water for general use, water for food production, deionized water for biochemical laboratories and sterilizers.
These systems are necessary for every Hospital and Clinic, ensuring high quality of the required services. Furthermore, water treatment, maintenance and disinfection of the hydraulic installations ensure safety in use and durability.

Water Treatment Units with Reverse Osmosis Method

TEMAK provides a wide range of reverse osmosis systems producing water according to the required specifications for every application in Hospitals and Clinics.
TEMAK's modern water treatment plants cover all the required needs in Hospitals, such as Water for Hemodialysis, Central Sterilization Units, and any other hospital application which requires the removal of salts, microorganisms, organic substances, odor, chlorine, particles and other harmful elements from water.

« Having as major principles responsibility and commitment for reliable solutions, TEMAK provides valuable projects for Health and Life, contributing to the daily effort for safe and quality healthcare »

Filtration for Water Supply Systems

TEMAK's automated filtration units offer prompt solutions to the removal of suspended solids and pollutants, which are responsible for water turbidity, and the removal of chlorine, organic substances and odor from water.
TEMAK provides a wide range of automatic filters for all applications, such as turbidity filters, activated carbon filters, iron removal filters for any flowrate.

Bag Filters

Cartridge Filters

Turbidity Filters

Softening

TEMAK's water softening systems remove the total hardness from water (calcium and magnesium salts) ensuring the protection of hydraulic installations, appliances, steam networks and refrigeration circuits from salt deposition.

TEMAK provides a wide range of softeners for any flowrate.

Softener

Water Purification Systems

TEMAK provides complete systems for the production of water as per the required specifications for laboratory use. Automatic water purification systems use as feed water municipal water, which has been pretreated, to produce purified water.

These systems are suitable to produce water for biochemical analyzers in Biochemical and Microbiological Laboratories.

Deionization

TEMAK's deionizers are used to remove total salts (ions) from water to produce low conductivity water. This is achieved by passing water through two beds of ion exchange resins or one bed of mixed ion exchange resin. The produced water doesn't contain salts and meets the requirements of high quality water for the equipment that follows. TEMAK provides a wide range of automatic deionizers and mixed-bed deionizers, covering any flowrate and all areas of application.

Deionization Systems

Automatic Chlorination Systems - UV Disinfection Systems

TEMAK provides complete water disinfection solutions with automatic chlorination systems and UV equipment. TEMAK's automatic chlorination systems ensure complete disinfection of the water network and drinking water tanks through controlled chlorine dosing and continuous water quality control prior to consumption.

Ultraviolet devices are used to disinfect water by deactivating/destroying the pathogens that it may contain, in order to prevent their growth in the water path to the final destination.

Automatic Chlorination System

Ultra Violet Disinfection System

Chemical Additives in Cooling Towers and Steam Boilers

TEMAK through its long experience in water treatment provides chemical additives in order to achieve protection of the equipment, maximization of its efficiency, reduction of water and energy consumption. All these factors lead to economic benefits. The optimum operation of boilers requires the use of chemicals, which can protect the equipment from scaling and corrosion. These problems solved by the chemical additives B-Fine. The main reasons for the chemical treatment of water that enters into cooling towers are to maintain the efficiency of the units at high levels, as well as to protect the equipment against problems such as scaling, corrosion and microbial growth. These problems are solved by the chemical additives C-Fine. TEMAK's chemical additives are in accordance with the guideline (EC) 1272/2008 (CLP) and all their components are FDA approved.

Steam Network Equipment

The optimum and safe operation of steam networks, through proper design, is an important factor for the operation of the hospital. TEMAK provides reliable, high quality steam equipment from recognized manufacturers, with scientific support and competitive prices:

- Globe valves
- Heat Exchangers
- Steam Traps & Y Filters
- Pressure Reducers
- Safety valves
- Thermostatic valves
- Butterfly and Ball valves
- Pneumatic and Electric motors

Benefits of working with TEMAK

- Quality in: Design of solution, system manufacture and efficiency
- Durability with guaranteed operating performance
- Operating and maintenance cost reduction for the Hospital due to the rational management of raw and reject water
- Minimization of energy consumption and savings in water heating and cooling, longevity of appliances and installations that use water
- Protection from failures and wear & tear: Hydraulic installations, piping, electrical devices, sanitary ware, water heaters electric resistance, steam boilers, radiators, air conditioners, hot water boilers, medical equipment washing machines, sterilization ovens etc
- Study and design of solutions according to the real needs of the clients
- Complete, annual packages for the preventive maintenance of the systems to ensure the safety of the patients, the proper operation of the Hospital facilities and the immediate technical support
- Specialized scientific support and service
- Stock of consumables and spare parts

- Top quality - reliability
- Competitive prices
- Appropriate selection of materials
- Short delivery times - material availability
- Support in funded programs
- Consultation on system improvement
- Consultation of project studies/new installations
- Compliance with international regulations
- Technical support - fast service

Since 1980, TEMAK has been at the side of local communities covering their needs with reliability and consistency, having a full range of certified water treatment products. Thanks to the systems manufacture in Greece and the high expertise of its specialized staff, TEMAK is able to offer total water treatment solutions, from study and design to manufacture and installation of required systems.

The 800.000 m^3/day of clean potable water or water for general uses, produced daily from TEMAK's installed systems in Greece and 30 abroad countries, constitute the proof of our experience and know-how in water treatment.

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WATER VALUE AMBASSADOR
• ATHENS 1980 •

ISO 9001 | ISO 14001 | ISO 45001 | ISO 50001 | ISO 22000 | ISO 22301 | ISO 13485

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