



Chemical dosing systems

Pumps, chemical tanks, polymer preparation & feeding systems, mixers, on line mixers and various accessories.



Water Technologies & Solutions
Authorized Distributor

"Your Partner in Water & Process Technologies"



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Paper industry

For paper board , writing & printing paper

Retention & Drainage aids, ASA sizing, Fiber recovery,

For Tissue paper

Coating & Release programs, Retention & Drainage, Wet & Dry strength, Pitch & Stickies control

All paper production

Slime and microbiological control, foam control, Scale control , Felt and Wire cleaners, Fiber recovery, Coagulants and boiler chemicals.

Chemical industries

Chemical programs for all types of water and process treatment technologies like, cooling water, boiler water, RO plants, Waste Water Treatment Plants.

Refinery industry

Cooling & Boiler water programs, Waste Water Plants, RO scale control and membrane cleaning chemicals, process chemicals (Topping plant , Vis Breaker Units, finished products additives).

Steel Making Industry

Cooling water treatment programs for direct, indirect and closed systems. Chemicals for Boilers, RO plants & clarification units.

Mining Industry

All types of liquid and powder polymers and coagulants for the clarification/sedimentation/flotation units. Scale inhibitors and Dust control programs. Partners with a well established manufacturer of dust control suppression systems.

Food & Beverage industry

All types of water treatment programs including pasteurizer treatment programs.



CHEMICAL TREATMENT PROGRAMS FOR...



Cooling Water treatment

Application

Open recirculating, Once through sea water circuits, Closed cooling circuits

Chemical programs

Corrosion & Scale inhibitors, Biocides (oxidizing and non oxidizing), Dispersants

Basis of treatment

Make up water analyses, Water balance, Temperature profile, Metallurgy



Boiler water treatment

Application

Boilers, steam generators, high pressure boilers for power production

Chemical programs

Oxygen scavengers, Scale inhibitors, Dispersants, Condensate corrosion inhibitors

Basis of treatment

Water analyses, Chemical analyses, Water balance, Boiler pressure, Heat balance



Desalination

Application

Membrane processes
Thermal processes

Chemical programs

Scale and fouling inhibitors, biocides, coagulants, membrane cleaners

Basis of treatment

Water analyses, % recovery, improvement opportunities, Software simulation



Waste water treatment

Coagulants Inorganic

Alum, PAC, Ferric chloride

Coagulants Organic

Usually low molecular weight high positive charge polymers

Flocculants Organic

Cationic, Anionic, Non-Ionic. Low, medium ,high, ultra high charge
Emulsions, Dispersions ,powders.

ENGINEERING FOR INDUSTRIAL WATER PLANTS

Studies for water reuse and recycle

Water and ionic mass balance, process flow diagrams, technology selection, equipment selection, budget of installation and operation costs.

Studies for "Zero Liquid Discharge"

Water and ionic mass balance, process flow diagrams, technology selection, equipment selection, budget of installation and operation costs.

Water management audits

Audits to identify improvement opportunities in water management.

Water plants for the steel industry

Complete engineering and supply of water treatment plants, including cooling towers, sand filters, scraping bridges, sludge thickeners, dewatering equipment and pumping stations.

Equipment for water plants

Softeners, dealkalizers, deionizers, Reverse Osmosis (RO) Ultrafiltration (UF) , Lamella separators, Sand filters.

Technical consultancy

All above services and equipment are provided in cooperation with specialized international and local partners. Our technical team plus outside consultants/experts on water plant operation are available for technical support and new project management.

