



DEV AQUA SOLUTIONS

Your Partner in Sustainable Water Management



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ABOUT US

As a leading manufacturer of water treatment and filtration chemicals, we bring years of specialized experience to the industry.

Our commitment to excellence drives us to create innovative, high-quality solutions tailored to meet the unique needs of our clients.

From effective water treatment chemicals to advanced filtration products, we're dedicated to enhancing water quality and supporting sustainable, efficient operations across diverse industries.

MISSION

We are dedicated to promoting cleanliness, an essential factor for a healthy and hassle-free life, by providing top-quality, innovative solutions.

GOAL

Our goal is to provide high-quality products at affordable prices, ensuring a clean, safe, and healthy environment for people and the planet.

This commitment enables us to source products competitively and deliver them with guaranteed quality and reliable delivery timelines.

OUR KEY COMPETENCIES

At Dev Aqua Solutions, our primary focus is to go above and beyond to ensure complete customer satisfaction.

We offer comprehensive solutions, not just products, fostering strong, lasting relationships with clients worldwide.

Our quality management system is continually refined based on customer feedback and expectations, elevating satisfaction to new heights.





BOILER AND ITS CLASSIFICATION

A boiler is an energy conversion or transfer system where chemical energy from fuel is converted into either heat or electrical energy.

Types of Boiler:

Fire-tube boiler - Hot gas in several tubes is used to heat the surrounding water.

Water tube boiler - Water in the tubes is heated by the surrounding hot gas.

PROBLEMS IN BOILER

Corrosion is one of the major contributors to boiler failures. Factors that influence corrosion in boilers include: High oxygen concentration, High or low pH levels, Acidic corrosion, etc., and Mechanical and operational factors such as: Excessive velocities, Metal stresses, Other design and operational issues



BOILER TREATMENT CHEMICALS

- ◆ DAS - TREAT (Anti Scalant)
- ◆ DAS - SCAVENGER (oxygen Scavenger)
- ◆ DAS - BOOSTER (pH Booster)
- ◆ DAS - CONDITIONER (Sludge Conditioner)
- ◆ DAS - PROTECTOR I (Boiled out Compound)
- ◆ DAS - PROTECTOR II (Boiled out Compound)



COOLING TOWER AND ITS CLASSIFICATION

A cooling tower is a heat rejection device, which extracts waste heat through the cooling of a water stream to a lower temperature.

Cooling Towers are classified as : Open circulating system, Closed circulating systems and Once through systems.

PROBLEMS IN COOLING TOWER

The evaporation process cools down the remaining tower water but leaves mineral impurities behind. Scale, Corrosion, Fouling, Microbiological Fouling.

COOLING TOWER TREATMENT CHEMICALS

- ◆ Algae Preventive Fungus Preventive
- ◆ DAS - Scalent (Anti Scalent Cum Anti Corrosive)
- ◆ DAS - Alkaliser (pH Controller)
- ◆ DAS - Corrosive (Anti Corrosion)
- ◆ DAS - DEFORMER
- ◆ DAS - DIGESTER
- ◆ DAS -DISPERSENT





CHILLER

A water chiller is a mechanical device used to facilitate heat exchange from water to a refrigerant in a closed loop system.

In closed loops, corrosion is a greater concern since the corrosion products continually build up since there is no blowdown. Particulates generated by corrosion can lead to deposition. The deposition can further exacerbate corrosion by providing locations for the under deposit corrosion mechanism.

Dissolved oxygen corrosion is also a contributor to corrosion in a closed system. Make up water, open tanks and system vents can transport oxygen into the closed loop.

APPLICATIONS

Engine Jacket, Chiller Water Circuit, Glycol Brine System, Hot Water Circuit, Engine Coolant, Process chilling and heating etc.

CHILLER TREATMENT CHEMICALS

- ◆ Passivative and Pre Cleaning Chemicals
- ◆ Anti Corrosives
- ◆ Bio Cides





RESIN CLEANING COMPOUND

DAS - CHARGE



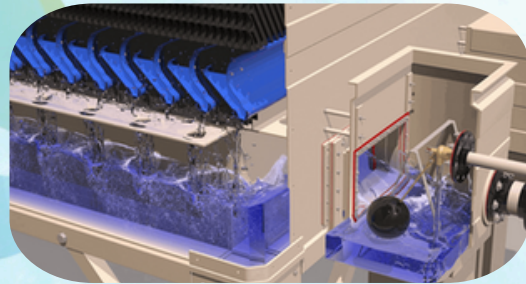
A.H.U. CLEANING COMPOUND

DAS - SHINE



DESCALING COMPOUNDS

(FOR ALL TYPES OF SYSTEMS)
(Liquid & Powder Form)



COOLING TOWER SERVICES

COOLING TOWER FILLS
DISTRIBUTION SETS & NOZZELS
FRP COATING WORKS ETC

DESCALING SERVICES



- ◆ BOILER DESCALING
- ◆ COOLING TOWER DESCALING
- ◆ HEAT EXCHANGER DESCALING
- ◆ CONDENSER DESCALING
- ◆ REACTORS DESCALING
- ◆ MOULDS DESCALING
- ◆ A.H.U. & F.C.U. DESCALING
- ◆ PIPE LINES DESCALING



SWIMMING POOL TREATMENT CHEMICALS

1. TCCA 90% (TRI CHLORO CYANURIC ACID)

TCCA 90% granules effectively control biofouling, outperforming bleach and hypochlorite.



2. CALICIUM HYPO CHLORITE (65%)

Calcium hypochlorite, sold as pool shock, effectively kills microorganisms.



3. TCCA 90% TABLETS

TCCA 90% tablets effectively control biofouling, outperforming bleach and hypochlorite.



4. HCL (16% & 32%)

Hydrochloric acid removes algae and lowers harmful pH levels in pools.



5. NON FERRIC ALUM: (8%-10%)

Non Ferric Alum is used for swimming pools to look dust and dirt free.



6. ALGAECIDE

Algaecide kills algae and prevents regrowth, enhancing pool shock effectiveness.



7. SODIUM DICHLORO ISO CYANURATE (SDIC)

Sodium dichloroisocyanurate effectively disinfects water and combats microorganisms in pools.



8. SODIUM HYPOCHLORITE (6% & 12%) Sodium hypochlorite disinfects pools, oxidizes contaminants, and raises pH levels.



SOFTNER PLANT

A Softener Plant, also known as a water softening system, is designed to remove the calcium and magnesium ions from hard water, effectively “softening” it. The primary mechanism used for this purpose is a process called ion exchange.

NEW PLANT INSTALLATIONS AND UPGRADATION

FILTERS:

- ▶ ACTIVATED CARBON FILTERS (M.S. & F.R.P)
- ▶ M.S. & F.R.P. SOFTNERS
- ▶ VESSELS (M.S. & F.R.P.)
- ▶ SAND FILTERS (M.S. & F.R.P)

SPARES:

- ▶ MULTIPORT VALVES (All Sizes)
- ▶ DIAPHARAM VALVES
- ▶ NUT BOLTS
- ▶ DOSING PUMPS & PRESSURE GAUGES
- ▶ GASKETS
- ▶ ONLINE METER, etc





RO PLANTS

Reverse osmosis (RO) is a water purification process that uses a partially permeable membrane to remove ions, unwanted molecules and larger particles from water.

PROBLEMS:

- ◆ Scaling
- ◆ Bio fouling

NEW PLANT INSTALLATIONS AND UPGRADATION

RO PLANT TREATMENT CHEMICALS:

- ◆ R.O. ANTISCALENT (High & Low Silica Based)
- ◆ pH BOOSTERS
- ◆ R.O. MEMBRANE CLEANING CHEMICALS
- ◆ DAS - BOOSTER (For Drinking Water pH Booster)
- ◆ DAS - GERMICIDE

RO SPARES:

- ◆ MEMBRANES (Make : All Types)
- ◆ MEMBRANE HOUSINGS
- ◆ MEMBRANE END CAPS
- ◆ MICRON FILTERS (Wound & Spun - Jumbo & Slim)
- ◆ MICRON FILTER HOUSINGS (All Sizes)
- ◆ S.S. SKIDS
- ◆ PANEL BOARDS
- ◆ DOSING PUMPS (6LPH)
- ◆ ROTO METERS (Make: Aster Technologies)





- ▶ FRP VESSELS (All Sizes)
- ▶ AUTOMATIC MULTIPOINT VALVES
- ▶ PRESSURE GAUGES (All Types)
- ▶ U.V. LAMPS
- ▶ CONDUCTIVITY METERS
- ▶ pH & T.D.S. METERS
- ▶ HIGH PRESSURE PUMPS
- ▶ R.O. CLEANING SERVICES
- ▶ DOMESTIC R.O. PLANTS
- ▶ EXTENSION OF OLD PLANTS



EFFLUENT TREATMENT PLANT

We all know that water supply costs are going to carry on rising— so are water disposal costs. The more contaminated your effluent, the more your ‘effluent handling company’ will charge you. Increasingly stringent discharge consent conditions are also being applied

NEW ETP PLANT INSTALLATIONS & UPGRADATION AT PAN INDIA LEVEL

ETP TREATMENT CHEMICALS

- ◆ BIO-CULTURES
- ◆ COAGULANTS (ALL TYPES)
- ◆ FLOCCULANTS (ALL TYPES)
- ◆ PAC (LIQUID & POWDER)
- ◆ DEFOAMERS





SEWAGE TREATMENT PLANT

A Sewage Treatment Plant (STP) treats the sewage produced from various establishments to make it safe for disposal. It performs physical, chemical, and biological processes to remove contaminants and produce treated wastewater that is safe enough to dispose of into the environment. A by-product of sewage treatment is a semi-solid waste called sewage sludge. The sludge further undergoes treatment before being suitable for disposal or application to land.

NEW STP PLANT INSTALLATIONS & UPGRADATION AT PAN INDIA LEVEL

STP TREATMENT CHEMICALS

- ◆ BIO-CULTURES
- ◆ COAGULANTS (ALL TYPES)
- ◆ FLOCCULANTS (ALL TYPES)
- ◆ PAC (LIQUID & POWDER)
- ◆ LIQUID CHLORINE DEFOAMER
- ◆ DAP





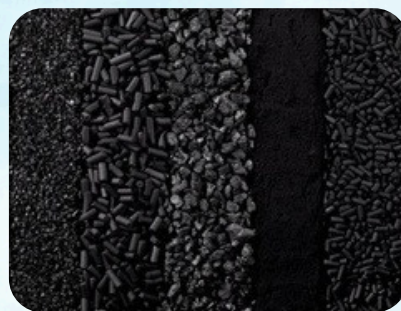
DEMINERALIZATION PLANT (D.M)

The ion exchange process is used to remove mineral salts or dissolved ions from water, which is known as demineralization or deionization.

Demineralization can be used with most natural water sources to produce water of greater quality than traditional distillation process.

- ◆ **NEW PLANT INSTALLATIONS & UPGRADATION OF DM PLANT AT PAN INDIA LEVEL**
- ◆ **ALL TYPES OF D.M PLANT RESINS**
- ◆ **D.M PLANT SERVICES**

ALL TYPES OF FILTER SAND AND ACTIVATED CARBONS



ALL TYPES OF RESINS





OTHER PRODUCTS WE DEAL IN

- Sodium Nitrate
- Hydrogen Peroxide
- Nitric Acid
- Bentonite Powder
- Sodium Nitrate
- Hydrpogen Lime
- Stone Chips
- Formaldehyde
- Maleic Anhydride
- Potassium Permanganate
- Toluene
- Sulphuric Acid
- DMF { Di Methyl Formamide}
- Sodium Gluconate
- Potassium Carbonate Granules/ Powder form

CONTACT US



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ECO-FRENDLY WATER PURIFIERS