



Industrial Solution Provider for Water & Energy Conservation

Water Treatment Plant, Water Treatment Chemicals,
Centrifugal Pumps, Water Conservation, Energy Conservation,
Design-Engineering & Turnkey Projects



**GLOBAL
TECHNOLOGY
MANAGEMENT**

Stepping Towards Environmental Sustainability

www.gtmglobal.in

ABOUT US

Driving Sustainability through Innovation

Empowering industries with eco-friendly technologies for efficient water and energy conservation. Our solutions are built for long-term impact and compliance.

At Global Technology Management, we specialize in delivering advanced water and energy conservation solutions tailored to industrial needs.

Since 2016, we've helped many Industries to reduce environmental impact, improve efficiency and stay ahead of regulatory demands through reliable, future-ready technologies.

Water Treatment Plants

- Aeration System
- Online Chemical Dosing System
- Clarifier System
- Multi Grade Sand Filter
- Activated Carbon Filter
- Softener Unit
- Bag Filter, Basket Filter
- Micron Cartridge Filter
- Ultra filtration System
- Reverse Osmosis System
- Demineralization Plant
- Electro Deionization (EDI for UPW)
- Effluent Treatment Plant
- Sewage Treatment Plant

Our Services

- Design, Engineering of Water Treatment Plant
- WTP Projects Erection & Commissioning Supervision
- Preventive Maintenance Services support
- Emergency Breakdown support
- Trouble Shooting Services Water & Energy Internal Survey
- Organizing Technical Water & Waste Treatment Training
- Awareness in Water & Energy Conservation at site level
- IoT based online monitoring system

Vision

To be the leading Sustainable Water & Energy Solutions Provider Globally

Mission

To Deliver High-Quality, Affordable Water Treatment Plant Accessories & Services To Our Customers

Values

Driving sustainable innovation through quality excellence, teamwork safety-first commitment to customer success

Work Approach


Reduce


Reuse


Recycle



Water Treatment Chemicals

- Disinfectant for Stagnant water sump & reservoir
- Boiler Water Treatment-Oxygen Scavenger Deposit Controller, pH Booster, Coil & Tubes Descalant
- Chiller Water Treatment- Corrosion & Scale Inhibitor, Descalant
- Cooling Tower Water Treatment- Corrosion & Scale Inhibitor, Oxidizing Biocide, Non Oxidizing Biocide, Bio Dispersant
- Coagulant, Flocculent- Polymer, Online Disinfectant Reverse Osmosis Membranes Antiscalant, Descalant, Additives

Crysta Clarifier System

We provide **Crysta HRSCC** which is a **High Rate Solid Contact Clarifier** (HRSCC) unit that combines coagulation, flocculation, settling, and sludge removal in a single tank, achieving high efficiency with a smaller footprint compared to conventional clarifiers. It utilizes internal solids recirculation to optimize chemical usage and enhance floc formation, leading to high-quality treated water with reduced time, space, and chemical consumption.

Key Feature of Crysta HRSCC

- Integrated design
- Internal Sludge Recirculation
- High Loading Rates
- Low Shear Mixing
- Enhanced Flocculation

Benefits of Crysta HRSCC

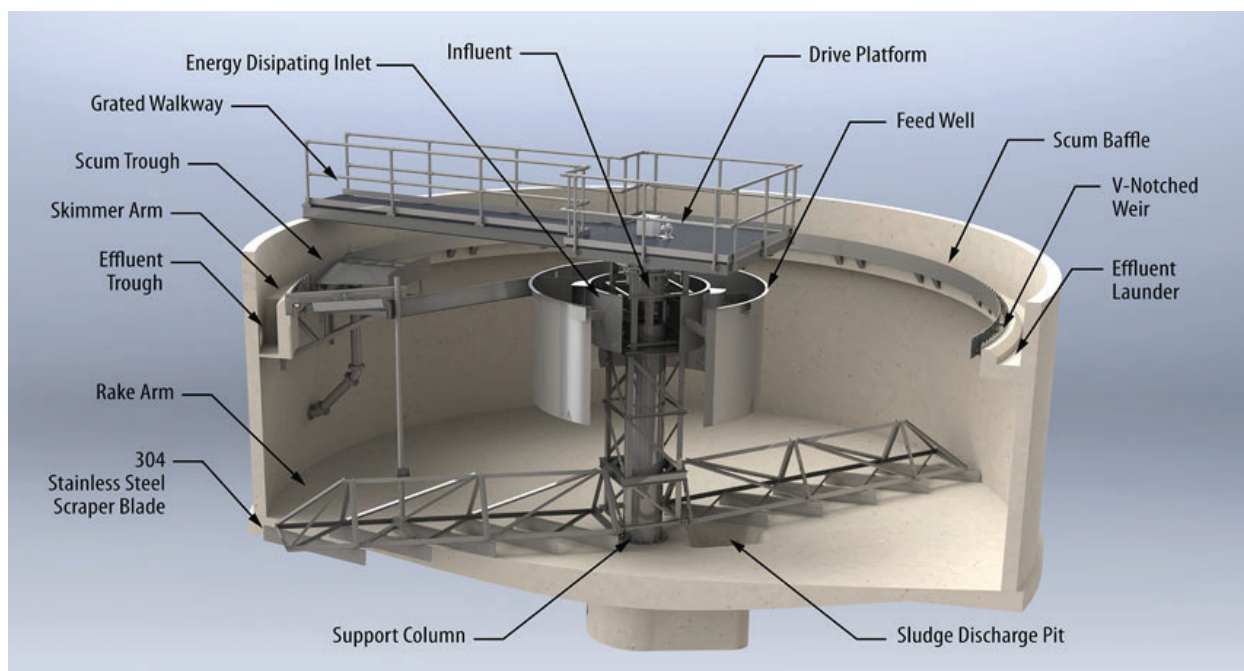
- Reduced Chemical Usage
- Easy Operation & Maintenance
- Efficient Treatment
- Compact design
- Cost-Effective

Technical Specifications of Crysta HRSCC

- Flow Range 10 m³/hr to 1000 m³/hr
- Available in MS Epoxy coated inside, In Civil Design
- Handling Maximum TSS level of 3000 ppm
- Sludge Consistency 2 to 5%

Application

- Industrial Processes
- Wastewater Treatment
- Metal Finishing
- Food and Dairy



Crysta Lamella Clarifier

Our **Crysta lamella clarifier** removes suspended solids from liquids, often used in wastewater treatment and industrial processes. It utilizes a series of inclined plates to enhance the settling of particles, creating a larger effective settling area within a smaller footprint

Key Feature of Crysta Lamella

- Strong Inclined Plates
- Efficient Sludge Collection
- High Range handling capacity of TSS 2000 ppm
- High Recovery of Clarified Water
- Low Wastages
- Very Easy & Low Maintenance Cost

Technical Specifications of Crysta HRSCC

- Flow Range 10 m³/hr to 1000 m³/hr
- Available in MS Epoxy coated inside, In Civil Design
- Handling Maximum TSS level of 3000 ppm
- Sludge Consistency 2 to 5%

Benefits of Crysta Lamella

- Compact design
- Increased Settling Area
- High Flow Rates

Application



Industrial Processes



Wastewater Treatment



Metal Finishing



Food and Dairy



CrystaMGF

Crysta MGF is efficient in reducing suspended solids and turbidity from water, it consists combination of coarse and fine sand media, typically sand, gravel, pebbles.



Key Feature of Crysta MGF

- Designed Media Bed Height
- Efficient & Consistent particle Removal from 25 ppm to 5 ppm
- Consistency ensured in Depth Filtration
- Low Energy Backwash Mechanism

Technical Specifications of Crysta MGF

- Flow Range 10 m³/hr to 200 m³/hr
- Available in MS Epoxy ,Bituminus, Rubber coated inside
- Handling Maximum TSS level of 25 ppm

Benefits of Crysta MGF

- High Filtration Efficiency
- Cost-Effective
- Reduced Turbidity
- Versatile Applications
- Higher Flow Rates
- Longer Run Times

Application



Wastewater Treatment



Pre-treatment for RO & Demineralization Plant



Drinking Water Treatment



Industrial Water Treatment

Activated carbon filters

Crysta ACF Activated carbon filters operate on the principle of adsorption, where molecules of a substance (liquid or gas) adhere to the surface of the activated carbon.

The activated carbon material has a highly porous structure, providing a vast surface area for adsorption to occur. When a fluid or gas passes through the filter, contaminants are attracted to and trapped within these pores, resulting in purified substance.



Key Features of Crysta ACF

- High Porous Structure
- High Adsorption Capacity
- Versatile Applications
- Media Options
- Easy Backwashing

Benefits of Crysta ACF

- Efficiently reduction of Free Chlorine from 1 ppm to 0.1 ppm
- Efficiently removal of H₂S gases resulting Odor Free Purified Water
- Efficiently reduction of turbidity from 5 NTU to < 1 NTU

Application



Wastewater Treatment



HVAC Cooling Towers



Water Treatment



Industrial Processes

Crysta MCF

CrystaMCF is **Industrial micron cartridge filters** are cylindrical filtration designed to remove particulate matter from liquids, using a filter medium with devices precise pore sizes (measured in microns) to capture contaminants. They are widely used across various industries for water treatment, pre-treatment for RO plants, and other liquid filtration processes

Key Features of Crysta MCF

- High Efficiency
- Durability and Easy Maintenance
- Cost-Effective
- Wide Range of Applications
- Optional Offering Easy Backwashing Mechanism
- Durable Design
- Easy Cartridge Replacement Mechanism
- Internal Washing Arrangement

Benefits of RO Plant

- Easy Open and Close
- Easy Maintenance
- Leak Free Fitting Arrangement
- High Accuracy for feed and product separation



Technical Specifications of Crysta MCF

- Flow Range 10 m³/hr to 200 m³/hr
- Available in Poly Propylene, HDPE, SS, MS Rubber coated inside
- Handling Maximum TSS level of 5 ppm
- Cartridges Available in 5 micron sizes from 10" to 40" long

Application



Pre-treatment for RO

RO Plant

CrystaRO is an industrial reverse osmosis (RO) plant - a system designed to purify water by reducing dissolved salts, minerals, and other impurities using a semi-permeable membrane. CystaRO plants are used in various industries for applications like drinking water production, wastewater treatment, and process water treatment.



Key Component of RO Plant

- Pre-treatment System
- High-Pressure Pump
- RO Membrane
- Post-treatment System
- Instrumentation and Control System

Benefits of RO Plant

- High-Quality Water
- Water Conservation
- Environmental Protection
- Cost Savings
- Producing low TDS Product Water

Technical Specifications of RO Plant

- Capacity from 250LPH to 200 m³/hr
- Input TDS 25000 ppm
- Recovery Rate from 25% to 90%

Application



Wastewater Treatment



Drinking Water



Process Water

Crysta DM Plant

CrystaDM is an industrial Demineralized plant that removes dissolved minerals and salts from water using ion exchange resins process.

CrystaDM plants produce high-purity water suitable for various industrial applications where mineral-free water is crucial.

Key Component of DM Plant

- Cation Resin Anion Resin
- Pressure Vessel
- De gasser Tower Ejector System
- Regeneration Tank
- Piping and Valves
- Instrumentation and Controls

Technical Specifications of CrystaDM Plant

- Capacity from 2000 LPH to 200 m³/hr
- Input TDS 500 ppm
- Recovery Rate 90%

Benefits

- High Purity
- Durable
- Cost-Effective

Application



High Purity Water



Boiler Feed Water



Process Water



Useful in Ultra Pure Water



Crysta Chemical Dosing System

CrystaDose is an industrial chemical dosing system precisely adds chemicals into a process stream, maintaining desired fluid properties. CrystaDose systems are crucial for various applications like water treatment, wastewater treatment, and chemical manufacturing.

CrystaDose typically include a chemical storage tank, a dosing pump piping, and a control panel with sensors and controllers to ensure accurate and consistent chemical delivery.

Key Feature of CrystaDose

- High Efficiency
- Durability and Easy Maintenance
- Cost-Effective
- Wide Range of Applications
- Monitoring and Safety Devices

Technical Specifications of CrystaDose

- Capacity 6 LPH to 1000 LPH
- Output 4 to 20 ma
- RS 485
- Remote Monitoring

Benefits of CrystaDose

- Digital Display for more Accuracy
- Precise Dosing with durable life
- Optimized Chemical dosing for better results

Application

-  Wastewater Treatment
-  HVAC Cooling Towers
-  Water Treatment
-  Industrial Processes



CrystaFlow PUMPS

CrystaFlow Pumps are designed highly efficient, sturdy, low maintenance, low life cycle cost & GTM provides Surface Centrifugal Pumps- Mono Block, End Suction Back Pull Out, Inline Multistage High Pressure Pumps in Cast Iron, Stainless Steel, Alloy

Key Feature of Crystaflow

- High Efficiency
- Durability and Easy Maintenance
- Cost-Effective
- Wide Range of Applications

Technical Specifications of Crystaflow

- Capacity from 1m³/hr to 1000 m³/hr
- Available in CI, SS304, SS316, SS316L, Alloy, Non metallic

Key Components

- Casing
- Impeller- Close, Semi Close and Open Impeller
- Mechanical Seal

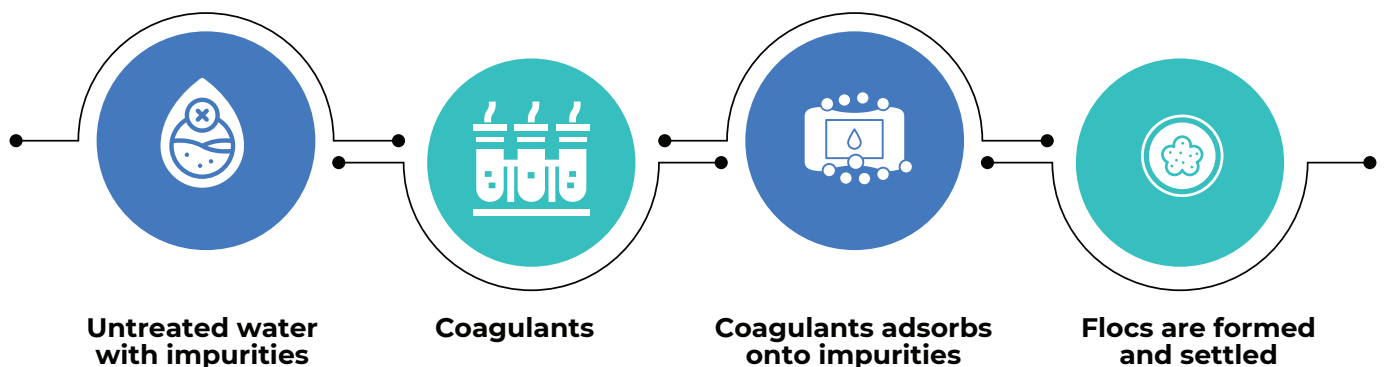


Water Treatment Chemicals

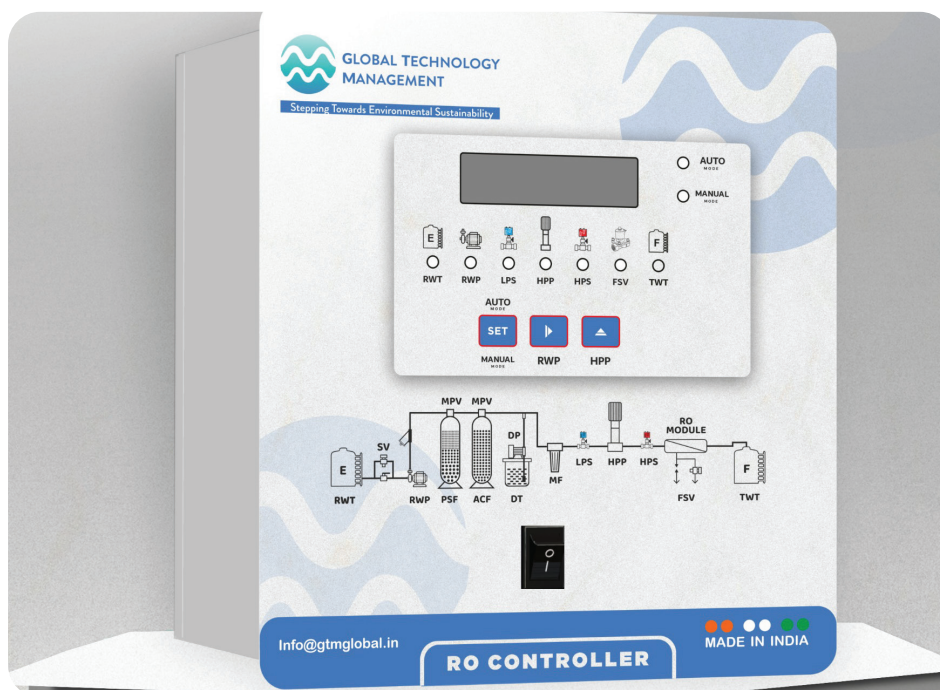
GTM provides an entire range of Water Treatment Chemicals for Raw Water Disinfection, Coagulation, Flocculation, Pre-Treatment of RO Plants, Boilers, Cooling Towers, and Chillers.

Range of **Crysta Chem** Products

- Disinfectant for Stagnant water sump & reservoir
- Boiler Water Treatment-Oxygen Scavenger Deposit Controller, pH Booster, Coil & Tubes Descalant
- Chiller Water Treatment- Corrosion & Scale Inhibitor, Descalant
- Cooling Tower Water Treatment- Corrosion & Scale Inhibitor, Oxidizing Biocide, Non Oxidizing Biocide, Bio Dispersant
- Coagulant, Flocculent- Polymer, Online Disinfectant
Reverse Osmosis Membranes Antiscalant, Descalant, Additives



Measuring & Monitoring Instruments



Pressure Gauge	Pressure Transmitter
Low Pressure Switch	High Pressure Switch
Compound Gauge	Level Gauge
Level Transmitter	Level Switch
Conductivity Meter	pH Meter
ORP Meter	ORP Transmitter
Turbidity Meter	Turbidity Transmitter
Temperature Gauge	Flow Meter
Flow Transmitter	Rotameter
Water Meter Gauge	Running Hour Meter
Ampere Meter	Volt Meter
Frequency Meter	Variable Frequency Drive



Survey No. 129 Paiki- 12, Ulariya Industrial Area, Plot
no. 12 A Block no. 109, Sarkhej - Sanand Rd, near
Bharat Gas Agency, Vill.Ulariya, Sarkhej, Sanand,
Ahmedabad, Gujarat 382210



+91 9316026201



Info@gtmglobal.in



gtmglobal.in