



Hydrocool Engineering Co.

HYDROCOOL CATALOGUE

We Cool & Treat Water



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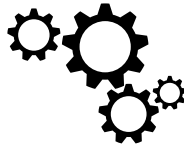
www.hydrocoolindia.com

ABOUT US

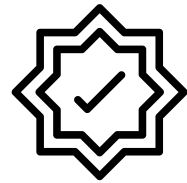
- Our objective is to provide access to clean water, as well as to secure environmentally- compatible disposal of municipal and industrial wastewater.
- Building a Better Future with innovative designs and high quality products. All our products are designed to ensure easy operation, excellent performance, long life, ease & economical maintenance.



DESIGNING &
ENGINEERING



IN HOUSE
MANUFACTURING



ASSURED
QUALITY



Mission

We Aim to build a trust worthy partnership with our clients

Understanding
Your Business

Solving
Customer
Problem

Assured Quality
& On Time
Delivery

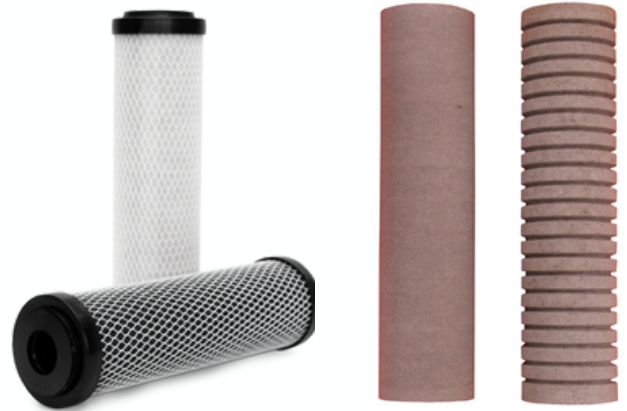
Continuous
Improvement

PRODUCTS OVERVIEW

COOLING TOWERS



WATER & OIL FILTERS



WATER SOFTENER



WATER FILTRATION



ETP & STP



SPARES & CHEMICALS



PRODUCTS PORTFOLIO

COOLING TOWER



- **Purpose:** Designed to cool water by removing excess heat from industrial processes or HVAC systems.
- **Function:** Acts as a large heat exchanger, transferring heat from water to air through evaporation.
- **Process:** Hot water enters, heat is exchanged, some water evaporates, and cooled water returns to the system.
- **Components:** Includes fill media, fans, drift eliminators, and a cold water basin.
- **Applications:** Used in power plants, chemical plants, refineries, HVAC systems, Process Water Cooling and General Industries.

WATER FILTRATION : MGF & ACF



Multi Grade Filter (MGF) & Activated Carbon Filter (ACF)

- **Purpose:** MGF removes suspended solids, dust, and dirt; ACF eliminates chlorine, organics, and odors through adsorption.
- **Function:** MGF uses layered media for particle filtration; ACF uses activated carbon for chemical impurity removal.
- **Efficiency:** Both offer high filtration efficiency and extended service life.
- **Applications:** Used in industrial water treatment, municipal systems, RO pre-treatment, drinking water, and wastewater treatment.

WATER SOFTENER



- **Purpose:** Designed to remove Calcium (Ca^{2+}) and Magnesium (Mg^{2+}) ions, which are responsible for water hardness.
- **Function:** Uses ion exchange resin to replace hardness ions with sodium or potassium ions, preventing scaling in pipes and equipment.
- **Efficiency:** Enhances the efficiency and lifespan of heating systems, plumbing, and appliances by reducing scale buildup.
- **Applications:** Ideal for industrial water systems, municipal water supplies, and household water softening to ensure smooth operation and maintenance.

PRODUCTS PORTFOLIO

RO WATER PLANT



- **Purpose:** Effectively removes contaminants from feed water, including particles like dirt, dust, bad smells, and Total Dissolved Solids (TDS).
- **Function:** Utilizes a semi-permeable membrane to filter out impurities, ensuring the delivery of clean and safe water.
- **Efficiency:** Provides high-quality water by significantly reducing contaminants, improving taste and odor.
- **Applications:** Our RO range caters to the raw water treatment needs of industrial, infrastructural, commercial, and domestic sectors, ensuring versatile and reliable performance.

ETP & STP



- **Purpose:** ETP cleans industrial wastewater; STP treats urban and domestic sewage for safe reuse or discharge.
- **Function:** Both process contaminated water to remove pollutants, making it reusable or environmentally safe.
- **Efficiency:** Effectively reduce contaminants, pollutants, and pathogens, meeting environmental compliance standards.
- **Applications:** Widely used across industries, municipalities, residential complexes, and commercial establishments.

CHEMICALS & SPARES



- **Cooling Tower Spares:** Includes essential components like fans, motors, and fills to ensure optimal performance and maintenance.
- **Filtration Plant Spares:** Comprehensive range of spare parts for various filtration systems to maintain efficiency and longevity.
- **Chemicals:** Wide selection of chemicals for cooling towers and filtration plants to prevent scaling, corrosion, and enhance treatment processes.
- **ETP/STP Equipment:** Air diffusers, filter presses, and air blowers to support efficient wastewater treatment in ETP and STP.

FILTERS OVERVIEW

PP WOUND FILTER CARTRIDGE



- High-performance filtration
- Superior dirt-holding capacity
- Cost-effective and efficient
- Easy installation and maintenance
- Ideal for various industries: petroleum, chemical etc

Available Sizes : 10",20",30",40"
Micron Rating: 0.5,1,3,5,10,25,50,100&150

Outer Diameter:
2",2.5",4",4.5",6"

PP SPUN FILTER CARTRIDGE



- Efficient Filtration with Gradient Density
- High Particle Capture, Extended Life
- 100% Polypropylene, Chemically Resistant
- Longer Service Life, Reduced Costs
- Cost-Effective
- Reliable Filtration

Available Sizes : 10",20",30",40"

Micron Rating: 0.5,1,3,5,10,25,50,100&150

Outer Diameter:
2",2.5",4",4.5",6"

PP PLEATED FILTER CARTRIDGE



- High Flow Rates
- High Dirt Holding Capacity
- Excellent Micron Ratings
- Gradient Density Media
- Used in Food, Pharma, Biotech, & More

Available Sizes : 10",20",30",40"
Micron Rating : 0.5,1,3,5,10,25,50,100&150

Outer Diameter: As per req
Type: DOE & SOE (CODE 7)

CARBON CARTRIDGE



- Removes Contaminants
- Reduces Odor & Taste
- Filters Water, Spirits, Solvents
- Uses Activated Carbon
- Improves Water Quality

Available Sizes : 10",20"

Material : Activated Carbon

Outer Diameter: 2.5",4"

Cap : Black End Cap Style

FILTER BAG



- Designed to meet your specific needs.
- Suitable for various dust types and conditions.
- Durable and efficient filtration.
- Ideal for Bag Houses & Dust Collectors

Available Sizes : 4" x 10", 4" x 17", 4" x 20", 7" x 16", 7" x 32"

MOC of Media: Polypropylene, Polyester, Nylon, Cotton

PP FILTER HOUSING



- **Versatile Applications:** Suitable for residential, commercial, and industrial use.
- **Flexible Configurations:** Available in 10" & 20" sizes, with slim & jumbo options.
- **Enhanced Performance:** Optional relief valve prevents damage, ensures efficient filtration.
- **Robust & Leak-Proof:** High-pressure rating, thick walls, and silicon O-rings for durability.

SITE INSTALLATIONS



COOLING TOWER: 2 X 500 TR



COOLING TOWER INSTALLATION: 2 X 550 TR



COOLING TOWER: 350 TR



WATER SOFTENER: 2 X 500 KLD



FILTRATION PLANT

GET IN TOUCH



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Derabassi , Ludhiana



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HYDROCOOL ENGINEERING CO.