



"Troubled Water? Absolutely Clear Choice!"

ACF

ACTIVATED CARBON FILTER

Efficient | Reliable | Compact

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IONIC
Engineering Technology Pvt Ltd



INTRODUCTION TO IONIC

Ionic Engineering Technologies Pvt. Ltd. is an ISO-9001/2015 certified Indian water and wastewater technology company founded in 2005 with more than **20 years of experience** in the treatment and re-use of hard-to-treat waters. We design and offer equipment to operate in the most challenging conditions, offering a cost-effective and environmentally friendly solution by means of our innovative and state-of-the-art technologies. We carry out projects and solutions for Industrial and Municipal Applications, like Pharmaceuticals, Chemical, Cosmetics, FMCG, Aero Space, Automotive, Metalworking, Steel, Refinery and Petrochemical, O&G Upstream, Downstream, Food & Beverage, Pulp and Paper, Sea Water Desalination, etc. to name a few. Our value engineered "Quality by Design" systems are working in several diverse industries for many years and is helping our customers move towards "Cleaner Production"

Motivation & Vision: Our main goal is to create value and make a difference for our clients and partners as well as deliver tailored-made solutions to satisfy the requirements of our clients, respecting the environment. At Ionic Engineering Technologies we believe that making water and wastewater reuse an affordable and sustainable water source is essential to the future development of mankind in terms of economy, environment, and society. All our systems are designed and engineered based on sound engineering practice and offer value for money and bring "Peace of Mind" to our customers.

Why Ionic? Good advice is half the battle won. Ionic Engineering is a technology neutral company and focused on providing "Quality by Design" engineered systems. We have technology associates based in Europe and USA for some of the cutting-edge disruptive technologies. The first step to the perfect water treatment solution: Understanding your wastewater analysis. We design the plant based on the water analysis sent by our customer.

We are dedicated to using our professional expertise accumulated over many years, to providing the solution you want, when you want it. We also take great pride in ensuring that every client is satisfied with the operating efficiency of the systems we design and the overall level of service that we provide, whether during the initial contract phase or later, throughout the life of the plant.

- Providing expert advice, tailored to meet your requirements.
- Supplying high quality, good value-for-money systems, and equipment.
- Supporting all our clients for the lifetime of their water & wastewater treatment systems.
- Developing and deploying the best, most economic solutions for your needs
- Listen to our customers as well as our suppliers on products and technologies feedback and updates.
- Continuous improvement in all that we do!

Find the best solution for your processes: Let our competent team from the application technology team advise you now! We look forward to hearing from you.

Customers: We have many reputed Multinational companies such as Unilever, Coca-Cola, L'Oréal, John Deere, Tata Hitachi, Bajaj, Tata Motors, Century rayon, GACL to name a few as our customers



Introduction of Activated Carbon Filter

Ensure Clean, Safe, and Pure Water with Activated Carbon Filtration Technology Activated Carbon Filters (ACFs) are an indispensable tool in modern water purification systems. Engineered to remove a wide variety of impurities from water, ACFs are widely used across industries and households for achieving water clarity, removing odors, and ensuring the safety of your water supply. Whether you are looking for a filtration solution for drinking water, industrial processes, or wastewater treatment, our Activated Carbon Filters provide an efficient, cost-effective, and eco-friendly solution.

Key Features

- **Efficient Contaminant Removal**
 - Removes chlorine, chloramines, VOCs, pesticides, heavy metals, and other harmful chemicals from water, ensuring higher quality and purity.
- **High Adsorption Capacity**
 - With a highly porous structure, our activated carbon offers superior adsorption power, ensuring maximum pollutant removal.
- **Improved Taste and Odor**
 - Effectively eliminates undesirable tastes and odors, leaving only clean, refreshing water behind.
- **Cost-Effective**
 - Designed for long-lasting performance, reducing maintenance and replacement costs.
- **Versatile Use**
 - Suitable for a variety of applications, from residential and industrial use to municipal water treatment.
- **Eco-friendly and Regenerable**
 - Activated carbon can be regenerated and reused, reducing waste and environmental impact.



Applications | Benefits of Activated Carbon Filter

Applications :

Our Activated Carbon Filters are versatile and can be used across many industries:

- **Drinking Water:** Purifies water to meet health and taste standards.
- **Industrial Processes:** Ensures consistent water quality for industrial applications, preventing machinery wear and optimizing production.
- **Wastewater Treatment:** Removes contaminants in wastewater for discharge or reuse.
- **Food & Beverage:** Ensures purity in the manufacturing of consumables, improving quality and taste.
- **Aquarium & Pool Filtration:** Keeps water clean, clear, and safe for aquatic life.
- **Pharmaceuticals:** Meets the strict quality standards required for water used in the production of medicines.

Benefits:

- **Improved Water Quality:** Purifies water, making it safe for consumption and use in various industrial processes.
- **Energy Efficiency:** Operates with minimal energy consumption, leading to reduced operational costs.
- **Long-Lasting:** Durable filters with long life cycles for reduced replacement frequency.
- **Customizable:** Can be tailored to meet specific filtration needs based on water quality and application requirements.



Why Activated Carbon Filter?

Why Choose Our Activated Carbon Filter?

- Superior Filtration Technology: Our ACFs are designed with cutting-edge technology to offer unmatched filtration efficiency.
- Trusted Reliability: Built to provide consistent, reliable results for both small-scale and large-scale applications.
- Expert Support: Backed by our experienced team for seamless installation, maintenance, and troubleshooting.

Specifications

- Filter Media: Premium-grade activated carbon
- Capacity: Customizable based on flow rate and water quality
- Housing: Robust, corrosion-resistant construction for longevity
- Control System: Automated or manual systems based on client preferences



GET IN TOUCH

**WITH
IONIC ENGINEERING TECHNOLOGY PVT. LTD.**

We're here to help you with all your water and wastewater treatment needs. Whether you're looking for customized solutions, technical support, or just want to explore how our services can benefit your business, feel free to reach out to us.

Our team of experts is ready to provide personalized assistance and ensure that you get the most effective and innovative solutions tailored to your requirements. You can contact us via phone, email, or through our website. We value every opportunity to collaborate and are committed to delivering excellence in every interaction.

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