



KI Engineers and Consultants



KI Engineers and Consultants (An ISO Certified Company)

Office:- Plot No. 720 Sector 55 Faridabad Haryana

Factory:- Plot No. 17, Surropr Industrial Area, Nangla Phase 1, Faridabad, Haryana

Contact:- 9811320359/9350315492

Email:- kiengineers243@gmail.com/techkiec@gmail.com



www.kiengineers.co.in



About Us

K.I Engineers and Consultants, established in the year 2001 in Faridabad, boasts a rich experience of 25 years in the filtration and evaporative cooling industry. Recognized as a leading manufacturer, distributor, and supplier, the company specializes in High Efficiency Industrial Process Cooling Towers and filters.

The company is well-regarded for its expertise in dealing with Sintered Cartridge Elements made from Stainless Steel, SS 316L, Polypropylene, and Bronze, offering a range of micron ratings from .01 to 25 microns. This variety allows them to cater to diverse process requirements in both gas and liquid applications.

Their extensive product range includes that has been enclosed below:- Compressed air filters, oil filters, hydraulic filters, Pre, Fine and Hepa filters, Water filters, Gas filters, and more.

K.I Engineers and Consultants has successfully served a wide array of industries, including Automobiles, Pharma, OEMs, and many others. Their commitment to quality and efficiency has positioned them as a trusted partner in the filtration sector.

Moreover, the company has established strong partnerships with prestigious companies, further solidifying its reputation as a reliable supplier. The list of these esteemed clients is a testament to K.I Engineers and Consultants dedication to providing top-notch filtration solutions.

Our Presence



K.I Engineers and Consultants



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KIEC is Committed to cost effective innovative products manufacture equivalent to any “World Class” filters.

We make:-

Compressed Air line filters :- It is ideal for removal of oil, moisture, as well as dust particles of around 0.01 micron with great efficiency. The compressed airline filter stands guard at the entry point of the compressed air system, diligently screening out impurities and contaminants that could compromise the integrity of the entire operation.



Pocket Filters :- A Pocket filter is an air pollution control device and dust collector that removes particulates out of air or gas released from commercial processes or combustion for electricity generation.



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Generator Filters:- They are shield the generator from the relentless assault of contaminants that could jeopardize its efficiency. Dust, dirt, and microscopic particles become adversaries as the generator filters diligently trap them, preventing their infiltration into the generator's inner sanctum. This meticulous filtration process ensures that the generator breathes clean, pure air, maximizing combustion efficiency and minimizing wear and tear. We can provide pre, superbypass oil filter for any DG Application.



SS Filter Housing and SS Filters:- The stainless steel (SS) filter and its housing emerge as the elegant duo, seamlessly working together to choreograph a symphony of filtration. Within the confines of a robust stainless steel enclosure, the filter takes center stage, its mesh intricately designed to sift through the liquid's intricacies. As the liquid flows through the system, the SS filter's fine mesh intercepts particles with a grace akin to a ballet dancer capturing the essence of a fleeting moment. Dust, debris, and impurities are entrapped, leaving behind a stream of liquid purity.



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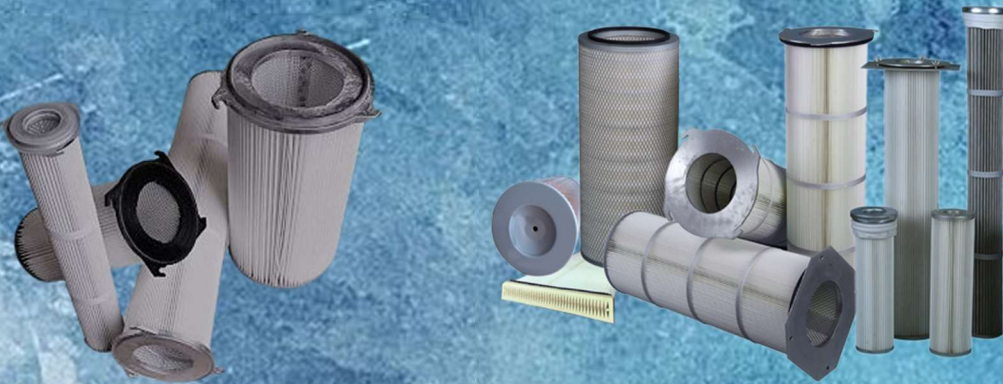
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Powder Pulse Pleated Dust Filter:- The dust collector filter's role extends beyond mere filtration; it transforms the workspace into a haven of productivity. Regular maintenance becomes a ritualistic act, as technicians replace or clean filter elements, ensuring an unobstructed flow and sustained efficiency.



Hydraulic Filters:- A hydraulic filter helps to remove these particles and clean the oil on a continuous basis. The performance for every hydraulic filter is measured by its contamination removal efficiency, i.e. high dirt-holding capacities.



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Return Line Filters:- The return line filters have reliably remove the contamination from the operating fluid. Return line filters play a crucial role in hydraulic systems, serving as the guardians of fluid cleanliness and system longevity.



Air Oil Separation Filters:- Air-oil separation filters play a vital role in maintaining the purity of compressed air, protecting downstream equipment, and ensuring the integrity of processes that rely on oil-free air. The compressor lubricant collects at the bottom of the separator tank and the compressed air continues to the air receiver. A standard rotary screw separator reduces the lubricant entrained in the compressed air to 2-3 ppm.



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Suction Inline Strainers:- It is often asked whether a pump suction strainer is necessary or recommended. The purpose of a suction strainer is to act as a particulate strainer or filter ahead of the pump. This prevents large particles from entering the pump.



Coolant Filter Roll:- Coolant filter rolls play a vital role in enhancing the performance of industrial machining operations by keeping coolant fluids clean and extending the life of both tools and coolant. Their efficiency contributes to improved productivity, reduced maintenance costs, and a more sustainable approach to industrial fluid management.



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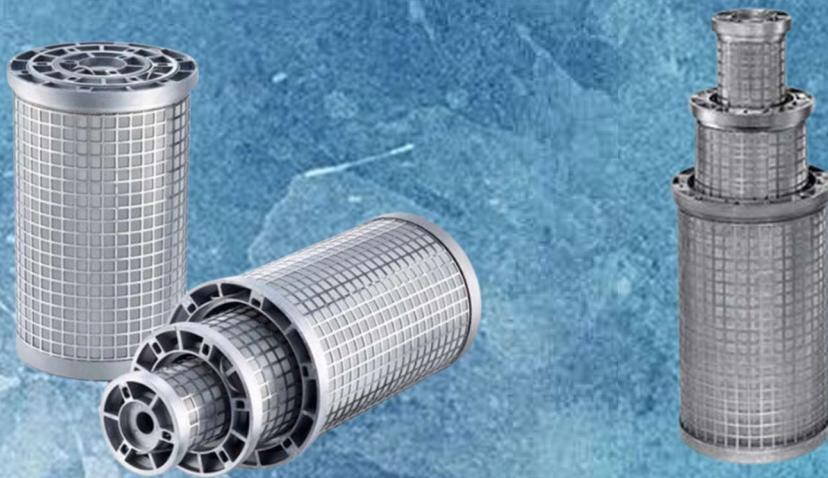
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Multi Mantle Filter:- Multi Mantle Filter could imply a filter system with multiple layers or components designed for a specific purpose, perhaps to enhance filtration efficiency, handle different types of contaminants, or address specific challenges in a particular application.



Pneumatic Self Cleaning Filters:- Pneumatic Stainless steel Self Cleaning Filter, automatically removes particles from the filter element surface by the efficiently mechanical scraping, can work on-line continuously, requires no frequent manual cleaning.



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KI Engineers and Consultants offers the following services to customers in domestic market

Manufacturer, Supply, and erection of Induced Draft Cooling Towers
Designing and Proposal of optimum sizes of Cooling Towers
Overhauling, Upgradation, refurbishment of existing cooling tower of any make
Annual Maintenance contract
Retrofitting and Supply of Interchangeable Mechanical Spares

Our Product Glimps



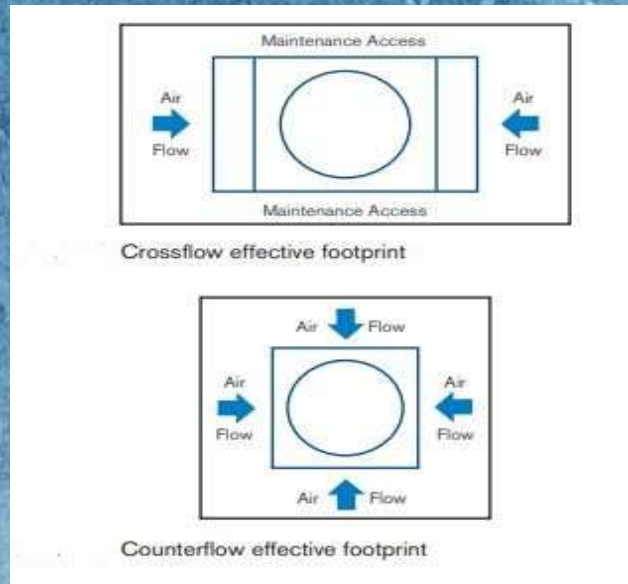
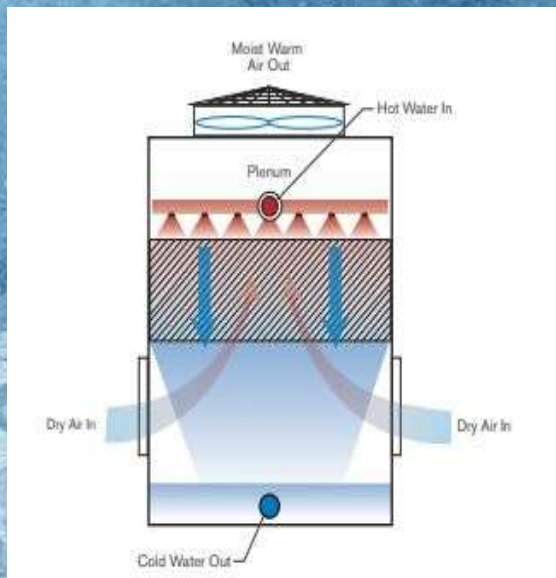
Round and Square Type Cooling Tower Induced Draft Counter Flow Cooling Tower

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Why to Choose Counter Flow Induced Draft Cooling Tower ?



A counterflow cooling tower requires less plan area than a crossflow cooling tower, which makes counterflow cooling towers advantageous in densely populated metro areas with limited space.

Our Product Ranges:-

Cooling Tower Fan :- Cooling tower fans operate at high RPMs, necessitating fan blades that can withstand rotational forces without overburdening the motor. Traditionally, aluminum has been the preferred choice due to its exceptional strength-to-weight ratio. These FRP fan blades, including plastic fans, axial fans, and centrifugal fans, contribute to fan assembly efficiency while reducing stress on the motor.



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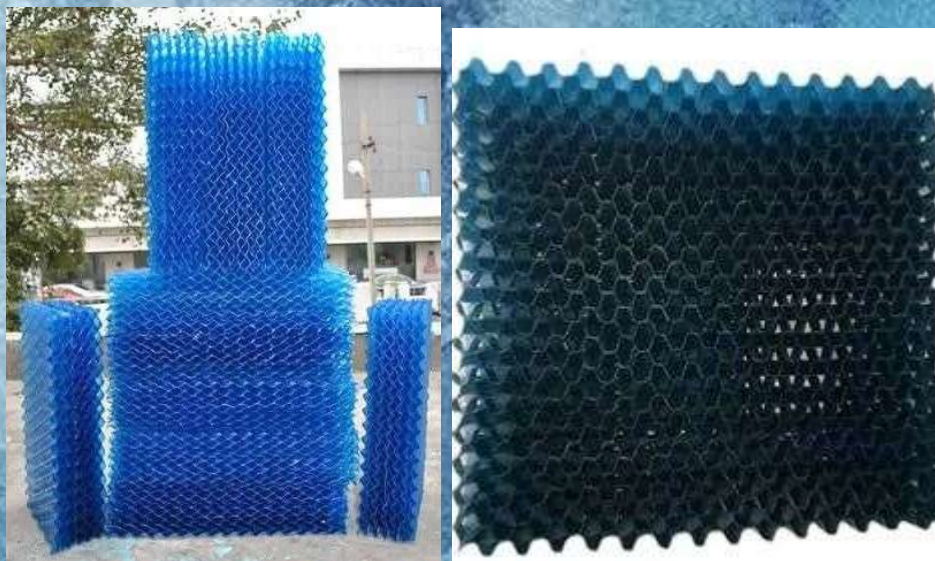
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PVC Nozzles:- Spray nozzles are used to deliver cooling water evenly to fills. These nozzles have various sizes and shapes depending on the design conditions of the cooling tower and wider cooling system parameters.



PVC Fills and Eliminator:- These are best quality PVC Fills and Elimators widely finds application in cooling tower system, they also known for their reliability and durability. PVC Elimators used to restricts drift losses to less than 0.05% with minimum pressure drop, reducing the operating cost. These comb fills are manufactured using excellent quality raw material and latest technology by our skilled professionals. In order to ensure quality, these comb fills are stringently tested on various parameters by our experts.



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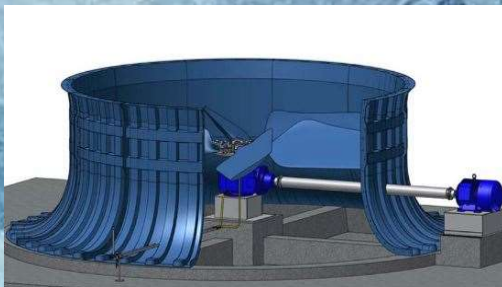
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Electric Motor:- Cooling tower motors are specially designed flange mounted motors in totally enclosed construction to suit air conditioning & refrigeration industries. They are provided with special long shaft construction with external threaded end to directly mount the fan blades. This also helps in the better cooling of the motor. Motors are compact in design & less in weight to facilitate easy maintenance. They are available as standard catalogue designs or as custom built.



Gear Box:- Gearboxes are used as speed reducers to slow the rotational speed from the incoming motor to the outgoing fan of a cooling tower. Companies that operate high- capacity production plants, such as those in the chemical process and power industries, require cooling towers with large amounts of heat rejection capacity.



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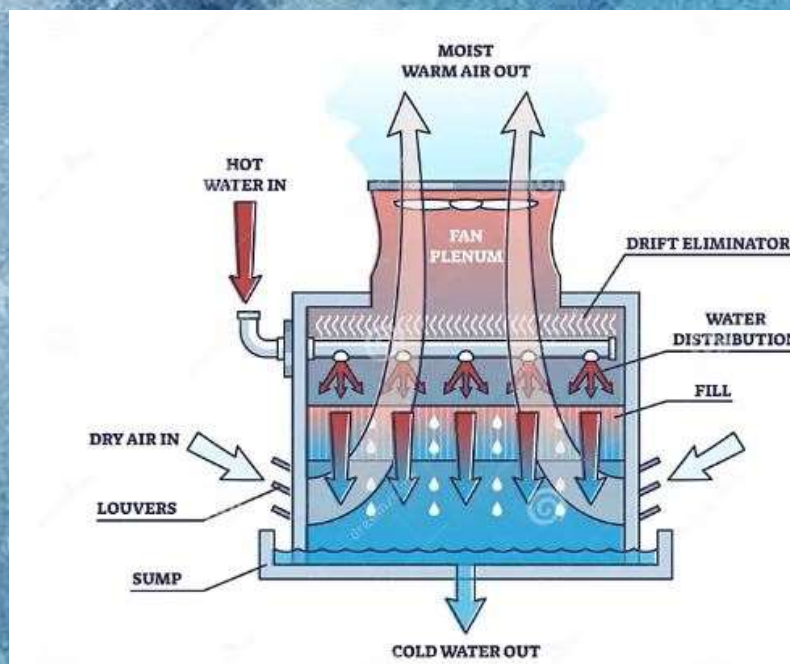
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Branch Pipe Assembly

The entire distribution system is computer-designed to maximize thermal performance and can be optimized to minimize pump head. The design also minimizes structural interference with water distribution.



Schematic Diagram of Induced Draft Counter Flow Cooling Tower

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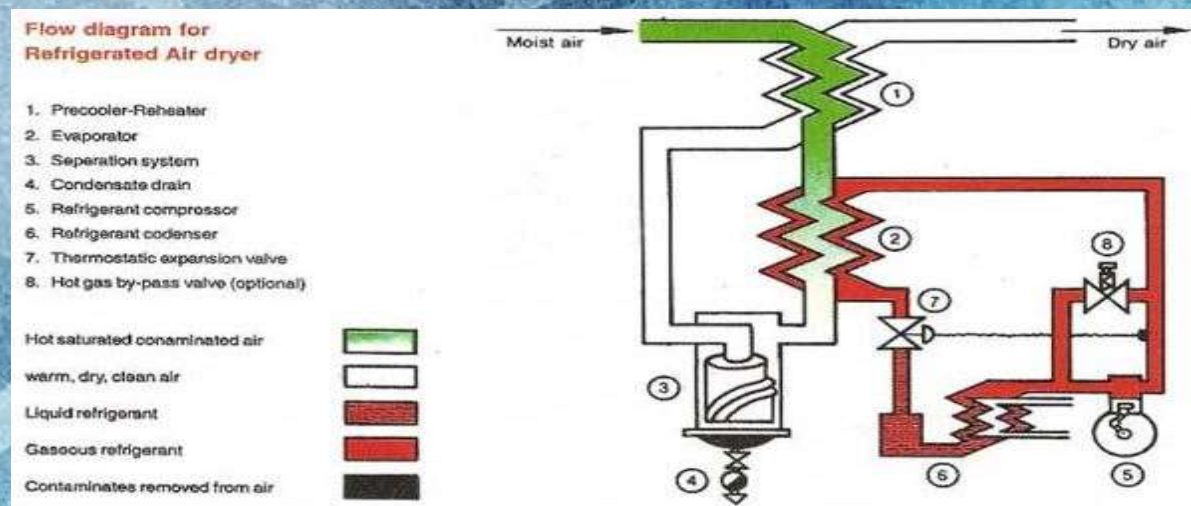


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Our Other Activities:-

Refrigerated Air Dryers:- Fulfilling a vital role in a compressed air system, a refrigerant dryer cools the compressed air to allow water vapour to condense and then be separated. Clean and dry compressed air helps make sure a system is never compromised. Furthermore, with many modern production systems and processes demanding high quality compressed air, in accordance with the air quality classes defined in ISO8573-1:2010, refrigerant dryers have a critical role to play in achieving this.



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Air Receivers :- An air receiver is used to store high-pressure air from the compressor. Its volume reduces pressure fluctuations arising from changes in load and from compressor switching. Air coming from the compressor will be warm (if not actually hot!) and the large surface area of the receiver dissipates this heat to the surrounding atmosphere. Any moisture left in the air from the compressor will condense out in the receiver, so outgoing air should be taken from the receiver top.



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Auto Drain Valves :- KIEC offers a wide range of High-Pressure Auto Drain valve manufacturers and to meet the requirements of our customers. We can market and provide our customers with a high-quality auto drain valve. By using high-quality raw materials and progressive technology, the valve supplied is manufactured by highly qualified professionals according to the industry standards defined at the end of our suppliers. This valve is available in different specifications according to the requirements of our customers.



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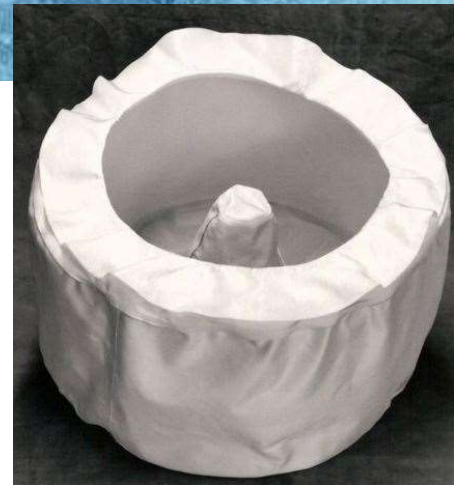
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Industrial Centrifugal Machine :- KIEC offers Industrial Centrifuge Machine consists of a basket in which mixture of solids, liquids or combination of two liquids is separated into its constituents by the action of a centrifugal force. Centrifuge bags are utilized extensively by pharmaceuticals, chemicals and drugs manufacturers. As centrifuges are typically used in acidic environment, polypropylene is widely used for top lifting, top discharge and bottom discharge centrifuge bags. Centrifugal energy is used in such a way that the wall of the centrifuge is the media and permits the filtrate to go through while leaving the solids on the surface. These solids can be put to wash and then detached continuously by an unloading knife and discharged out from the particular means.



Stainless Steel Heat Exchangers :- KIEC Offers Stainless steel that can fight corrosion like no other alloy. With more than 10% chromium, it is one of the most sought-after alloys to choose for long-term investment in components like heat exchangers.



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FEW OF OUR CLIENT LIST



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