


Engineering for a better world



The world is
a family


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 An ISO 9001:2015 Certified Company



Radiance Engineers

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Engineering
for a Better World 

 **RADIANCE**TM
Engineers

 ISO 14001 Certified
www.radianceengineers.co.in



Our vision is to deliver the finest environmental solutions to industries worldwide, fostering **a cleaner and more sustainable planet for future generations.**

We build engineered environmental solutions for **companies who actually care for the environment**

Founded in 2001, our engineering company stands as a pioneering force in the manufacturing industry, specializing in a diverse range of high-quality products essential to industrial operations. With unwavering commitment to innovation and excellence, we have established ourselves as industry leaders, producing an array of crucial equipment, including Industrial Bag Filters, Boilers, Chemical Scrubbers, Wet Scrubbers, Chimneys, Cyclones, Dust Collectors, Hot Air Generators, LPG Vaporizers, and Thermic Fuel Heaters. Our team's collective expertise and dedication have allowed us to consistently deliver solutions that cater to the unique needs of our clients, ensuring the highest standards of performance, safety, and environmental responsibility.

At our core, we are driven by a relentless pursuit of engineering perfection, constantly pushing the boundaries of technology and design. Our Industrial Bag Filters, Boilers, Chemical Scrubbers, and the entire range of products bear the hallmark of quality, reliability, and innovation. We have successfully provided essential solutions to a wide array of industries, and our commitment to sustainable, efficient, and cost-effective solutions remains unwavering. As we continue to grow, we remain focused on expanding our product portfolio and embracing the latest advancements in the field, ensuring that our clients receive the most advanced and reliable equipment available in the market. Join us in shaping the future of industrial engineering and experience the difference that our products can make in your operations.

team of **10** environment engineers

workforce of **100+** helpers & installers

more than **250+** installations across India

Our mission

Innovation and Excellence

Continuously innovate and strive for engineering excellence in our products to ensure they are at the forefront of environmental technology, meeting and exceeding industry standards.

Environmental Responsibility

Promote eco-conscious manufacturing practices, ensuring that our environment related products minimize environmental impact and contribute to a greener, more sustainable world.

Client-Centric Solutions

Collaborate closely with our clients to understand their specific needs and provide tailored solutions that not only meet but exceed their expectations, ensuring their operations are environmentally responsible.

Education and Advocacy

Act as a source of knowledge and advocate for environmentally friendly practices within the industries we serve, sharing information and insights to create awareness and encourage responsible environmental stewardship.

Global Reach

Expand our reach and influence on a global scale, making our environmental products accessible to industries worldwide, contributing to a collective effort to protect and improve the planet for generations to come.



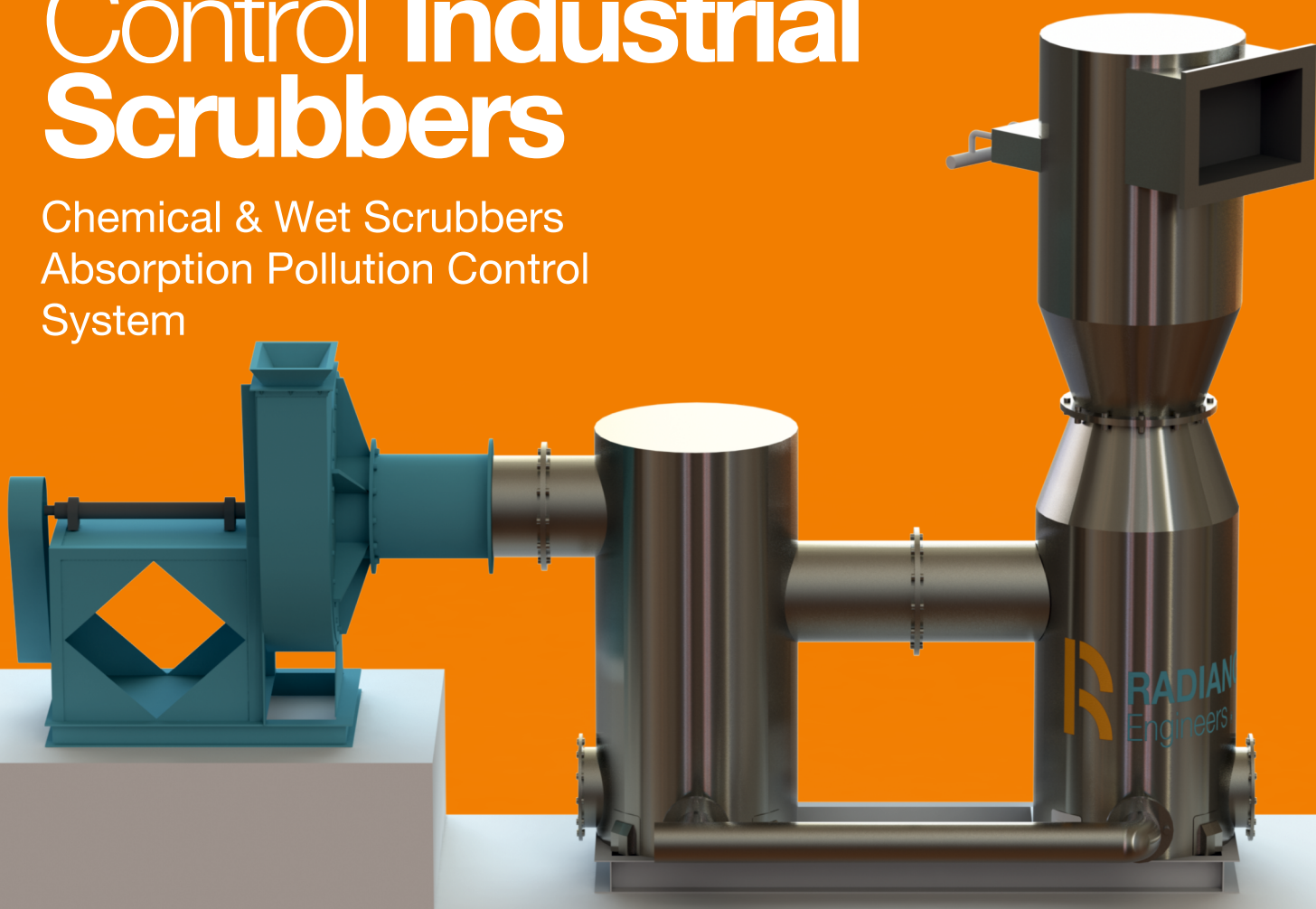
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COMPLETE RANGE OF AIR POLLUTION CONTROL SYSTEMS:

- CHEMICAL & WET SCRUBBERS
- DUST COLLECTOR
- CYCLONE
- BAG FILTER
- BOILER
- HOT AIR GENERATOR
- THERMIC HEATER
- CHIMNEY
- LPG VAPORIZER

Air Pollution Control **Industrial** **Scrubbers**

Chemical & Wet Scrubbers
Absorption Pollution Control
System



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Industrial Chemical Scrubber

Our Industrial Chemical Scrubber is a high-performance solution for industrial air pollution control. It's designed to meet and exceed environmental regulations, efficiently removing and neutralizing hazardous gasses like acid fumes and bad odors from exhaust streams. With customizable configurations, it reduces operating costs and promotes sustainability for a greener industrial future.

Specifications:

- Achieves efficiency levels of up to 99.99%.
- Low power consumption of 220 - 415 V.
- Made with superior quality materials: carbon steel, FRP, PVC, M.S./S.S. for a long life cycle.
- Suitable for minimum particle size of 30mg./Nm³.
- Rapid Frequency of 50 - 60 Hz.
- Convenient Air Flow System of 5,000-6,000 m³/hr.
- Maximum Temperature: 180° F (85° C)

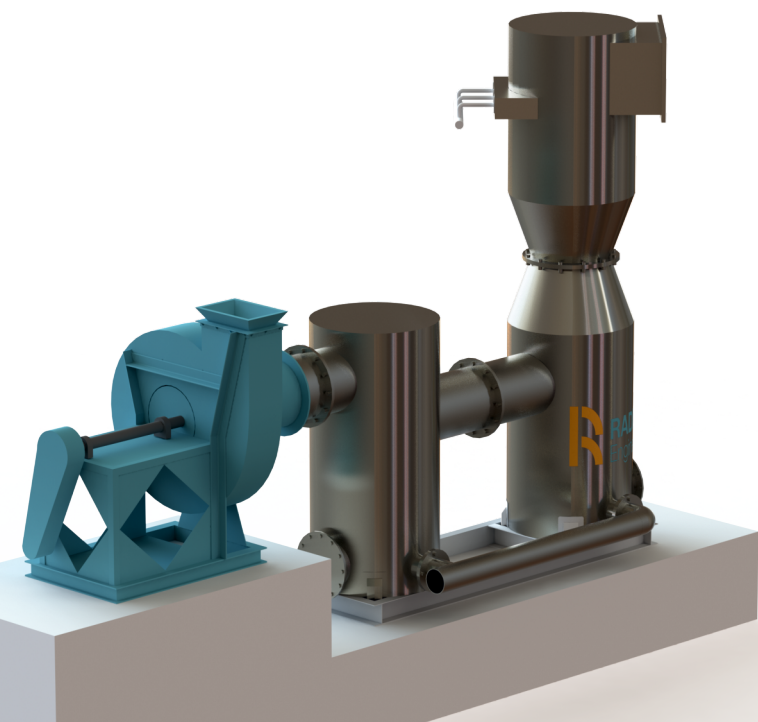
Applications:

- Chemical Industries
- Colour Industries
- Electrical Plants
- Hot Dip Industries
- Food Industries
- etc.



Industrial Wet Scrubber

An efficient solution for industrial emissions control and air quality management. This innovative system effectively removes pollutants from exhaust streams while conserving resources. Wet scrubbers are versatile, cost-efficient, and eco-friendly, supporting regulatory compliance and reduced carbon footprints. With a compact and robust design, they capture particulate, acids, and toxins, ensuring cleaner air.



Specifications:

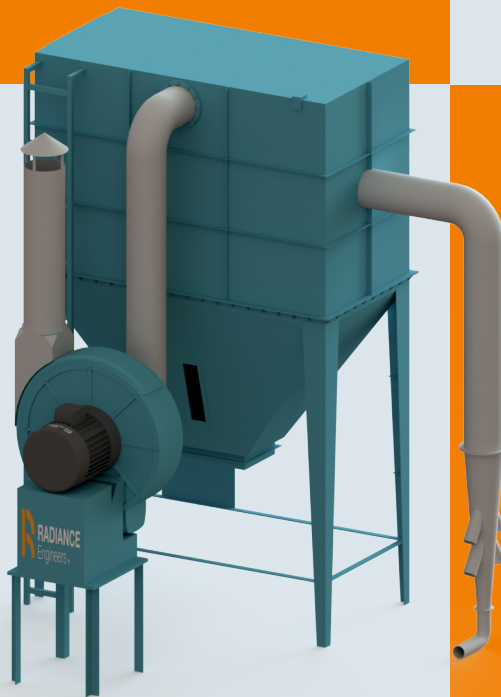
- Utilizes the "Absorption" principle to effectively eliminate pollutants.
- Employs water solvents for capturing pollutants.
- Results in the production of waste water or slurry.
- Appropriate for water-soluble pollutants.
- Well-suited for applications with high pollutant loads (more than 5000 ppm).
- Achieves efficiency levels of up to 99%.

Applications:

- Aluminum Industries
- Automotive
- Coal Industries
- Fertilizers
- Foundries
- Mining
- Plastic Manufacturing
- Wire Manufacturing Industries
- Iron & Steel Manufacturing
- etc.

Air Pollution Control Industrial Systems

Dust Collector, Cyclone & Bag Filter System



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Industrial Bag Filters

This advanced system efficiently captures and removes airborne particles, ensuring a cleaner and sustainable environment. With a durable build and customizable configurations, it's designed to meet your specific needs.

Specifications:

- Bags made with superior quality materials: Nylon, Polyester, Fibre Glass, P.P., Acrylic, Teflon
- Outer body made with superior quality materials: M.S./S.S.
- Velocity: 175 fpm • Dust emissions outlet < 20mg./Nm³
- Maximum Air Flow System of 80,000 m³/hr.
- Maximum Temperature: 410° F (210° C)

Applications:

- Chemical Industries
- Colour Industries
- Textile Industries
- Powder Coating Units
- Cement Industries
- Water & Waste Plants
- Battery Manufacturing Industries
- Food & Beverages Industries
- Mining Industries
- Wood Industries, etc.

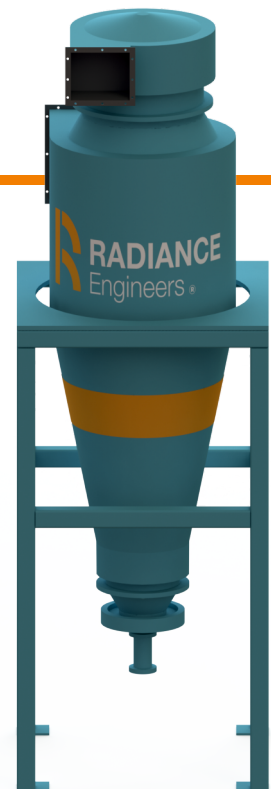


Industrial Cyclone

Cyclone separators use inertia and centrifugal force to separate large dust particles from industrial processes, aiding air pollution control. They are highly efficient with larger particles, often serving as primary collectors in multi-stage filtration, sometimes with added filter bags or cartridges at the exhaust.

Applications:

- Wood Industries
- Metal Industries
- Foundries
- Plastic Industries
- Rubber Industries
- Coal Industries
- Ceramic & Paper Industries
- etc.



Industrial Dust Collector

This efficient system captures and removes dust and particulate, making a safer and sustainable environment. With a durable build and customization options, it's the ideal choice for maintaining air quality and compliance.


Applications:

- Glass Industries
- Metal Industries
- Paper Industries
- Foundries
- Mining
- Powder Processing Plants
- Battery Manufacturing Industries
- etc.



Air Pollution Control Industrial Chimneys Systems



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Industrial Chimney

Our Industrial Chimney is a precisely engineered system designed for efficient exhaust management in industrial settings. Crafted from durable materials like stainless steel and concrete, it comes in various sizes to suit specific needs. These chimneys are equipped with advanced features to ensure compliance with emissions standards. Designed for demanding environments, they effectively disperse emissions and promote safety and environmental compliance in industrial operations. Choose our Industrial Chimney for an efficient and technically advanced solution for exhaust management in your facility.

Advantages:



Reducing the Impact of Green House Gasses



Avoids spreading of Fumes & Smoke in the plant



Reducing Air Pollution



Isolating Hot Toxic Exhaust Gasses or Smoke

Applications:

- Aluminum Extrusion Plant
- Brick Plant
- Thermal Power Plant
- Heating Industries
- Steel Industries
- Textile Dyeing Industries
- Chemical Industries
- etc.

Specifications:

- Exhaust
- Material: MS/SS/GI/FRP
- Chimney Height: 30 mtr.
- Suction Capacity: 5,000 to 1,00,000 m³/hr
- Thickness: 6 mm, 8 mm, 10 mm, 12 mm
- Noise Level: 90 dB



Industrial Heating LPG Vaporizer Systems



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LPG Vaporizer

Our Industrial LPG Vaporizer is designed to efficiently convert liquefied petroleum gas (LPG) into its gaseous form for various industrial uses. Using advanced heat exchanger technology, these vaporizers ensure precise temperature control and reliable gas production. They come with safety features to monitor and regulate pressure and temperature, preventing potential issues.

Advantages:



Eliminates Tank Frosts



Provides a Constant Gas Supply



Utilizes 100% of the LPG in your Tanks



Eliminates heavy ends accumulations in tanks



Provides a constant supply of vapor at temperatures down to -40°C



Eliminates distillation of LPG when vaporizing propane/butane mixes



Applications:

- Automotive Finishing Industries
- Ceramic Industries
- Food & Beverages Industries
- Foundry Module Drying Industries
- Furnace Industries
- etc.

Specifications:

- Capacity: 35 kg/hr upto 500 kg/hr
- Power: 6 kw to 60 kw
- Inlet Connection: DN25 to DN50
- Frequency: 50 Hz
- Voltage Type: 3 phase
- Sensor: Digital Flame Proof Control Panel

