



**VAPOUR**  
ENGINEERS



# **CORPORATE BROCHURE**

*Ensuring A Cleaner Environment  
Through Technology*

# WE ARE A COMPANY FOR THE ENVIRONMENT



## WHO WE ARE

VAPOUR ENGINEERS is committed towards a cleaner environment and better energy conservation practices, two vital areas for the world to ensure a healthier and abundant environment for humanity.

We help industries to be environment friendly and energy efficient through our wide range of products and services. Understanding the specific requirements of customers and the market trends, VAPOUR commenced its business operation in 1996.

Customer oriented innovative and open-minded approach has always been at the heart of VAPOUR's philosophy and approach.

We are armed with highly qualified and experienced engineers and experts in the field of pollution control and energy conservation. Their rich experience and in-depth knowledge of industry requirements enable us to manufacture and trade the best products that can perform efficiently.

We have fully fledged in house manufacturing facilities with advanced state of the art equipment in heart of industrial zone of Gujarat – India at Vatva G.I.D.C.

To provide the highest level of products and services, we have adopted an end to end supply chain system comprising of designing, engineering, and execution under one roof.

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# LEADERSHIP

## **MR. VIMAL SHAH TECHNICAL DIRECTOR (M.CHEM. ENGG.,IICHE.)**



Vimal Shah, a graduate in Chemical Engineering from Dharmasinh Desai Institute of Technology (DDIT) - Nadiad, and a post-graduate from University Department of Chemical Technology (UDCT) - Mumbai, is the Technical Director with an experience of over 35 years in this industry and has been heading the functions of designing, Production and Quality.

Shah has been driven by one essential thought – to fabricate an association profoundly dedicated to Values, with the firm conviction that achievement in business in the long run however unavoidably takes after. Undaunted sense of duty regarding Values keeps on staying at the center of Vapour. Shah firmly trusts that common individuals are equipped for remarkable things when composed into profoundly charged groups, and takes sharp individual enthusiasm for creating pioneers and groups.

**“**  
**QUALITY IS  
THE BEST  
BUSINESS  
PLAN.**  
**– VIMAL SHAH**  
**”**

# MISSION STATEMENT



## Ensuring A Cleaner Environment Through Technology

When you work with VAPOUR ENGINEERS, you manage an organization you can trust. Since it was established, the organization has delighted in a notoriety for very gainful frameworks with aptitude in many markets. We have extended our abilities in assembling, promoting, deals, and specialized support to rise a pioneer in the natural field.

Our vision is to proceed with this unparalleled accomplishment in collaborating with our customers to give savvy, naturally stable arrangements. We are focused on keeping up the most astounding norms in the commercial center.

With a scope of creative advancements, administrative and fabricating background, and a deals and showcasing group with demonstrated achievement,. VAPOUR is prepared to do additionally expanding generation to meet developing requests, while keeping up the most elevated amount of value control.

Our dedication is close to home and additionally corporate. We think about what we do to enhance the personal satisfaction for who and what is to come. We promise to manufacture dependable, sensible, innovative advances through great administration as an organization committed to tomorrow.

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# CORE VALUES



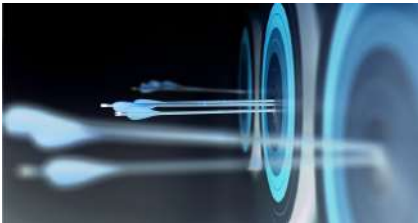
## PEOPLE

We will treat each other with poise and regard, while grasping assorted qualities, participation, open discourse and cooperation.



## SAFETY

We endeavor to complete every single day episode and harm free.



## EXCELLENCE

We are focused on the persistent quest for quality, administration and uprightness in all that we do.



## TECHNOLOGY

We are enthusiastic about development and innovation initiative.



## STEWARDSHIP

We are committed to the long-haul prosperity of nature and to saving the estimation of our clients' and shareholders' advantages.

# CAPABILITIES OVERVIEW



## HISTORY & SERVICES

VAPOUR was established in 1996 in Ahmedabad(Gujarat ). In the past quarter century it has developed from a small time operation to a vast organization, finish with an on location fabricating office.

VAPOUR has reliably been a pioneer in growing new and inventive air contamination control advances.



## DESIGN & ENGINEERING

VAPOUR's specialized staff contains equipped architects and AutoCAD authorities with inside and out learning of our items and the necessities of businesses we serve. From idea to finish, VAPOUR's experts cooperate to outline a proficient, altered item for every client's one of a kind necessities.



## MANUFACTURING & TESTING

VAPOUR is one of only a handful couple of organizations in our industry that has its own particular on location fabricating office. This present day office with cutting edge manufacturing hardware enables VAPOUR to keep up entire control over the venture's quality and calendar.

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# GUIDING PRINCIPLES

VAPOUR imagines itself just like the head configuration, designing, and assembling organization in the exceedingly focused ecological and metal completing frameworks industry. VAPOUR will accomplish this commercial center status by conveying just items and administrations of the most astounding quality and esteem and by always endeavoring to completely fulfill its clients.

- 01 A hierarchical culture
- 02 A solid feeling of achievement
- 03 An enthusiasm for brilliance
- 04 A soul of imagination and advancement

VAPOUR will be perceived as an organization that is exceedingly forceful in its execution objectives and its ability to go for broke.

VAPOUR will dependably search out and be open to better approaches to better serve its clients.

VAPOUR will be known for the expert flexibility, acknowledgment, and prizes it gives to its workers.

VAPOUR will achieve this acknowledgment while keeping up a moral, safe, and solid workplace.

At VAPOUR we will see issues and difficulties as chances to show our insight, aptitudes, and capacities to perform. We will be an organization that searches out and grows long haul steady and confiding involved with our clients, providers, and workers.

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# THE VAPOUR ADVANTAGE



## CUSTOMER SERVICE

VAPOUR provides full customer service for your Air Pollution Control Equipment, from user friendly operating and maintenance manuals to online monitoring providing virtually effortless system operation.

## ENGINEERING AND DESIGN

Our dedicated team of engineers frame the process based on comprehensive reliable inputs which is taken up for detailed engineering by dedicated task force comprising of mechanical, electrical and instrumentation engineers.

## SALES APPLICATIONS

Our dynamic team of sales executives, with excellent understanding of technologies, assists customers for selection of the right kind of process equipment according to the customer's requirement.

## PROJECT MANAGEMENT

Vapour's strong task-force of engineers is well equipped with infrastructure for turnkey execution of projects.

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# PRODUCTS & SERVICES OFFERED BY US

**DRY ELECTROSTATIC PRECIPITATOR**

**WET ELECTROSTATIC PRECIPITATOR**

**BAG FILTER**

**SCRUBBER**

**MECHANICAL DUST COLLECTOR**

**PRODUCTS**

**SERVICES**

**EQUIPMENT INSTALLATION**

**RETROFITTING**

**ENGINEERING SERVICES**

**FIELD SERVICES**

# ELECTROSTATIC PRECIPITATOR (ESP) - DRY TYPE

The VAPOUR Dry Electro-Static Precipitator(ESP) is a highly efficient separator that accomplishes minimal operating costs and maximized separation efficiency of around 99%.

An Electro-Static Precipitator (ESP) is a filtration device that removes fine particles, like dust and smoke, from a flowing gas using the force of an induced electrostatic charge minimally impeding the flow of gases through the unit.

In contrast to wet scrubbers which apply energy directly to the flowing fluid medium, an ESP applies energy only to the particulate matter being collected and therefore is very efficient in its consumption of energy (in the form of electricity).



## KEY FEATURES

**99.5 %**  
**EFFICIENCY**

- Minimal Maintenance Cost
- Minimal Running Cost
- Maximum Energy Savings

# ELECTROSTATIC PRECIPITATOR (ESP) - WET TYPE

VAPOUR's Wet Electro-Static Precipitator (WESP) uses electrostatic forces to remove particulate. It is used to treat gas streams with sub-micron particulate, aerosols, or fumes. These can include heavy metals such as lead, arsenic, or cadmium, condensed acid aerosols like sulfur trioxide (SO<sub>3</sub>), or condensed volatile organic compounds (VOC's). The use of electrostatic forces minimizes energy costs compared to Venturi scrubbers or baghouses, which require large amounts of energy to overcome resistance to air flow. Wet electrostatic precipitators are used in a wide range of applications including, hazardous and medical waste incinerators, metals refining, sulfite pulp mill recovery boilers, copper roasters, sulfuric acid plants, and wood dryers including oriented strand board (OSB), medium density fiber board (MDF), or pellet mill dryers.



**COLLECTS**  
**SOX/NOX/VOC**

## KEY FEATURES

- Horizontal or Vertical Flow Orientation
- Simultaneous Multipollutant Removal
- Reduces Cost Of Upstream APC Equipment

# BAG FILTER

Bag filters are filters used in industrial units for filtering dusty gases. The basic function of bag filter is to separate dust particles for dusty gases released by different production processes. The structure of a bag filter is made up of a fabric bag crafted using different kind of fabrics and a motor that powers the machine. Bag filters are considered to be the most efficient among all dust collectors because it can attain efficiency level up to 99%. The mechanism of bag filters works in a very smooth and convenient way. Bag filters are used in all industrial small or large units to collect dust particles blown out in toxic releases.



**99.0 %**  
**EFFICIENCY**

## KEY FEATURES

- Longer Functioning Life
- Corrosion and Abrasion Resistance
- Dimensional Accuracy

# SCRUBBER

Scrubbers are effective air pollution control devices for removing particles and/or gases from industrial exhaust streams. A scrubber operates by introducing the dirty gas stream with a scrubbing liquid – typically water. Particulate or gases are collected in the scrubbing liquid. Wet scrubbers are generally the most appropriate air pollution control device for collecting both particulate and gas in a single system.

We offer a variety of scrubber systems specifically designed for your process application. Many important operating variables are considered when evaluating the size and type of scrubber for any specific application, and your deadline is always a factor in our responsiveness. We will work with you and use our experience and knowledge to provide the proper solution for your process.



## KEY FEATURES

- Chemical and Water Type
- Venturi Design

# MECHANICAL DUST COLLECTOR

We are instrumental in providing our clients a comprehensive range of Dust Collectors. Backed by VAPOUR professionals, these dust collectors are manufactured using superior quality components and cutting edge technology. Our offered dust collectors are available in variegated sizes and designs so as to meet the needs of our valuable clients. Moreover, clients can avail these dust collectors from us at market leading prices.

Dust collectors are mechanical separators that use the principle of centrifugal force to remove particulate from the airstream. These are typically used for collecting coarse or large dusts produced in high dust loading applications, such as woodworking or machining, cyclone collectors are also used for product recovery of fine dusts, like powdered paint.



## KEY FEATURES

- Custom Engineered
- Fabricated from Carbon Steel, Stainless Steel, Aluminium & AR Steel

# ENGINEERING SERVICES



Vapor is a worldwide provider of designing administrations and air pollution control equipment to a different range of businesses.

Our administrations covers item plan from applied reviews to reseller's exchange bolster; assessment of existing air contamination control hardware; enhancing vitality productivity as well as giving auxiliary warmth recuperation; enhanced limit through put;

optional warmth recuperation alternatives; internet checking of air contamination control frameworks for upkeep help; controls overhaul for your current air contamination control framework; movement of existing air contamination gear to another office from evacuation, revamp, re-establishment and start up.. Our capable building workforce has the expansiveness and profundity of specialized ability that separates us from our opposition.

# FIELD SERVICES



Field Services incorporate the Installation of Air Pollution Control Equipment from the mechanical gathering to the entire establishment from establishment to dispatching – 'turnkey establishment'.

- Maintenance of existing Air Pollution Control Equipment
- Service contracts for routine PM examinations
- On call reaction for administration on all Oxidizers
- Regenerative Thermal Oxidizer warm recuperation move up to lower vitality utilize or potentially increment limit

- Regenerative Thermal Oxidizer warm recuperation media substitution on all Oxidizers
- Catalyst substitution and move up to build VOC diminishment
- Replacement and Service of any combining fiberbed channel fog gatherer frameworks
- Conversion of Non-Vapor Filter Systems to aside from Vapor Filters
- Relocation of existing air contamination hardware to another office from expulsion, restore, re-establishment and start up



# EQUIPMENT INSTALLATION



Installation of various equipment is a basic segment of a fruitful venture

Vapor offers Air Pollution Control Equipment Installation benefits that range from giving the whole "Turnkey" proposition to nearby supervision of proprietor provided contractual workers.

To guarantee the hardware is introduced legitimately and in addition in the most financially savvy way, a few organizations choose to bundle the gear buy with the establishment and startup. This is alluded to as a "Turnkey" System. For universal customers,

# RETROFITTING



We are equipped with highly qualified and experienced engineers and experts in the field of energy conservation.

Vapour has also helped them in saving tremendously on their running costs. We are experienced in the Retrofitting of FO, GA and L.S.H.S. fired Boiler, HAG, Thermopac to Solid Fuel (Petcock, Coal, Fotri ,Agro Waste) fired Fluidized Bed Combustion Systems.

Their rich experience and in-depth knowledge of industry requirements enable us to solve the issues related to retrofitting of various equipments. Vapour has delivered exceptional service in this area to its clients.

## GET IN TOUCH



Have a worry or need to ask about a particular item include? We'd love to get notification from you!

Headquartered in India, Vapor has its office in Ahmedabad (Gujarat) and in addition a broad system of operators situated all through the world. We have the fundamental experience and Personnel to viably address your local air and water contamination control needs. With some essential data we can furnish you with gear proposals, estimating and accessibility on another framework or rapidly react to your administration demands

Call our Sales and Applications Department **+917940036891** for a telephonic discussion.

We're accessible by telephone from 10.00 AM to 5.00 PM (IST) Monday through Friday business hours.



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