

# COMPANY PROFILE | Vikrant Group of Companies

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Design, Manufacture and supply of

- Boilers,
- Pressure Vessels
- Storage Tanks,
- Steam Drums.
- Water Plant,
- Incinerator
- Deaerator
- Industrial Silencers
- Gas & Liquid Separators.
- Knock Out Drums
- Air Elimination
- Fabricated Strainers
  - a) Basket
  - b) Tee
  - c) Conical
  - d) Y-Type
  - e) Self Cleaning Strainers
- Structural & Heavy Fabrication.

# Vikrant Industries

ISO 9001-2000 Company

## WORKS / OFFICE

- ◆ Plot no 10, Gat no. 627/2, At post Kuruli, Taluka – Khed, Chakan, District Pune-410501.  
Near Bharat Forge Ltd. Pune – 410501.
- ◆ Phone: 02135- 261305, 09822036342, 09822040137.
- ◆ Email:sales@vikrantindustriesindia.com, [vikrant.industries@rediffmail.com](mailto:vikrant.industries@rediffmail.com), vikrant.strainers@gmail.com
- ◆ Website: [www.vikrantindustriesindia.com](http://www.vikrantindustriesindia.com)

### VAT TIN. & CST TIN.:-

VAT TIN NO. 27570410284V DT-  
1/4/2006  
CST TIN NO. 27570410284C DT-  
1/4/2006

PAN No. :-  
AACFV2449J

### EXCISE DETAILS:

ECC NO. :- AACFV2449JXM001  
RANGE :- ALANDI  
DIV :- PUNE VIII  
COMM. :- PUNE III

# CERTIFICATE



Management system as per  
DIN EN ISO 9001 : 2000

In accordance with TÜV CERT procedures, it is hereby certified that

**VIKRANT INDUSTRIES**  
Plot no 10, Gat-627/2, Chakan,  
Pune - 410501, Maharashtra,  
India

applies a quality system in line with the above standard for the following scope.

**Design, Manufacture and Supply of Boilers, Pressure Vessels,  
Tanks, Structural & Heavy Fabrication**

Certificate Registration No. **44 100 057077-E3**  
Audit Report No. **2.5-2900/2007**

Valid until **20.12.2012**  
Initial certification **21.12.2006**

*S. Kulkarni*

TÜV CERT Certification Body  
at TÜV NORD CERT GmbH

Mumbai, **10.12.2010**

This certification was conducted in accordance with the TÜV CERT auditing and certification procedures and is subject to regular surveillance audits.

TUV India Pvt. Ltd., 801, Raheja Plaza - 1, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086, India [www.tuvindia.co.in](http://www.tuvindia.co.in)



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## Company's Quality Policy

We at "VIKRANT Group of Companies" are committed to make efforts to meet our customer requirements by providing the products of required quality at required time.

Continual improvement and customer satisfaction is prime responsibility of everybody at VIKRANT.

To fulfill these commitments we will follow the guidelines given in ISO 9001 – 2000.

**Mr. Abhijeet Jadhav**

**(C E O)**

### Vision

**With the vision of making a better world for all of us, we realized the need of**

1. Providing quality services to our Customers,
2. Safe & healthy environment to our work force and  
Larger contribution to the society we live in by making special efforts to keep the environment clean.

All the time, this realization has guided us to improve contentiously.

Today, after having executed numerous Mechanical Engineering & Fabrication Projects under varying, remote & the most trying of situations we continue to win Accolades from all our prestigious clients for our efficiency, meticulousness and rigid quality control system.

The credit goes to all of you for having honed sharp tool that we took over from the latest technology and professional experience of over many years; Regional Standards constitute the root for all our specifications. These represent the real need of the region. All our services must comply with these standards to fit their purpose & to meet the "Quality" level specified by the standards.

# Establishment

VIKRANT was established in the year 1986, by a Technocrat **Mr. K. B. Jadhav** at MIDC Chakan in Pune, having several years of hands on experience in fabrication & production management of boilers with a leading boiler manufacturing company. Originally it was for catering to the growing needs of all leading boiler manufacturers in the region. Over the years company through their committed service has established name as a reliable, sincere and competent contractor for all most all- leading boiler and equipment manufacturers all over India.

## Quality Assurance

At Vikrant the Client is assured a top grade quality of work always. Quality of product and services is assured through excellence in the following activities/areas.

- The companies follow an established format in the parent company as well as in Sister Concerns.
- The group abides by the various procedures with regard to process control on design, development, and material procurement and during production, handling, storage packing, preservation and delivery with effective stage inspection.
- The group has goodwill amongst customers. The prompt service and good after sales service has enabled our customers to have a long lasting relationship.
- And of course last but not the least Vikrant has established and applied a quality system for Design Manufacturing and Supply of Boilers, Pressure vessel, Tank & Heavy Fabrication in accordance with **ISO Norms** successfully. And we have been awarded by the **ISO 9001- 2000** Certification from **TUV**, which is the proof of the Groups efficiency and skill.

## Quality Assurance & Control

Manpower Resources:

Managers with Inspection Engineers

### Area Of control:

- 1) Specification control. 2) Raw material control.
- 3) Dimensional control. 4) Stage inspection.
- 5) Final inspection. 6) Coordination with external agency.

### Responsibilities: •

- 1). Analysis and correction of non-conformity.
- 2). Calibration of test/measuring instrument.
- 3). Record retention.
- 4). Preparation of inspection documents.

We – **VIKRANT INDUSTRIES**, have grown our organization with the support of our experienced engineers and dedicated technical staff. We have all latest facilities of manufacturing & designing in our manufacturing unit. We have maintained a proper co-ordination amongst performance, quality and price, with our high-tech machines.

## Know Us

Standing on the grounds of technology for over a decade, we – **VIKRANT INDUSTRIES**, are engaged in manufacturing precision engineered Fabricated Strainers, Twin Drum Boilers, Integral Furnace Boiler, Storage Tank, Water Treatment Plants, Waste management Plants, Incinerator, Deaerator etc.

Our management system & manufacturing processes are developed and maintain high level of quality assurance and flexibility in our product range. We have our own research and development department, which is continuously working to develop high power machines and equipment.

We guarantee complete satisfaction to our esteemed customers by providing them customized products in terms of designing, equipment used and installation processes.

## We Offer

We develop and export world-class machines & their components that are renowned for consistent quality, reliability, efficiency, safe to use, durability as well as easy maintenance. Our components and equipment are widely appreciated across industry verticals. Supported by our R&D program, we constantly strive for betterment of technology to generate complete solutions for the increasing industrial demands. **Materials of construction used:** SA 516, Gr 70, SA 106 Gr B, SA 105, IS 2062, IS 2002 Gr 2A, SS 316, SS 304, alloy steels, etc. We also have capacity & capability to do fabrication in stainless steel materials. Our gamut of products includes:

- **Knock Out Drums**
- **Horizontal/Vertical Gas Separators, Slug Catcher,**
- **Gas/Vapor Separator.**
- **Twin Drum Boiler,**
- **Integral Furnace Boiler,**
- **Fabricated Strainers**
- **Membrane Panel,**
- **Storage Tanks,**
- **Pressure Vessels**
- **Industrial Silencers**
- **Water Treatment Plant,**
- **Waste Management Plants,**
- **Incinerator**
- **Solid Fuel Boilers**
- **Oil Fuel Boilers**
- **Husk Fired Boilers**
- **Coal Fired Boilers**
- **Gas Fired Boiler**
- **Piping**

## Industries We Serve

Our industry experts understand the issues and requirements of our customers and offer proper solutions for every single quarry. We offer our range of machines to following Industries:

- Oil, Petrochemical & Gas.
- Chemical Industry
- Nuclear Plants
- Sugar Plant.
- Process Industry
- Irrigation Industry
- Dairy Industry
- Food Processing Industry and Other Engineering Industries.

## Quality Assurance

We are committed to provide complete satisfaction to our esteemed customers by maintaining high level of quality in our range of machines and equipment. We try to achieve this by proper planning and by adherence to specified standards and codes. We also continuously endeavor to upgrade our skills and knowledge by providing extensive training to our quality inspectors. Our company has a detailed quality control manual, which is followed at every stage of product development.

Inspection & testing carried out for jobs and qualifications.

- ❖ Hydro test ( Leak testing)
- ❖ Magnetic particle test
- ❖ Radiographic examination
- ❖ Ultrasonic Examination
- ❖ Dye penetrant testing
- ❖ Pneumatic testing
- ❖ Ultimate tensile test.
- ❖ Yield point & elongation
- ❖ Microscopic examination
- ❖ Bend test
- ❖ Impact testing.

## Infrastructure

Our company is well-equipped with comprehensive state-of-the-art infrastructural set up and team of experienced technicians. In order to integrate our manufacturing facility, we have installed all modernized machinery with dedicated workforce. Entire gamut of activities viz from designing, molding to final finishing of our machinery and components are conducted at our unit. Our unit makes use of the following processes to ensure quality in our components, such as Resharpener Services.

- Heat-treatment process.
- Laser Marking.
- Coating Services

### Construction codes used for fabrication

- ASME Section VIII Division I
- IBR
- GOST
- BS 2790
- ISO
- IS. 2825

### Our Value-Added Services

We - 'VIKRANT INDUSTRIES', have engaged ourselves in activities, which value add to the purpose of the serving our clients with precision engineered machines. They include the following:

- Provide free counseling on proper use of machines.
- Economical Treatment package for smooth functioning as well as corrosion free systems.
- Infield training to distributor and end-users.
- Periodic servicing or monitoring programs are also the significant components of our service.
- Customized manufacturing of machinery are also facilitated to suit the specific industry requirement.

### Research and Development

Our research associates continually work towards bringing further improvements in our range of machinery components and buyer oriented services. Our R&D team keeps itself abreast of all latest developments in the field of technology. This helps us to incorporating their innovative ideas in bringing further improvements in our range of precision-engineered components.

### Strengths

- Use of Resharpener Services as well as Coating Services
- Superior fail-safe
- Increased reliability.
- Improved manufacturing process
- Reduced time for line changes.

### Approval By External Inspection Agencies

- Indian Boiler Regulation Act.(IBR)
- Lloyds Ltd.
- Chief Controller of Explosives(CCE).
- Engineers India Ltd.(EIL).
- Metallurgical & Engg. Consultant India Ltd.(MECON).
- Kvaerner Power Gas(KPG).
- BHEL
- Toyo Engineering Ltd.
- H & G (Humphreys & Glasgow).
- UDHE India Ltd.
- Fitchner Consulting Engg.
- Tata Consulting Engg.



## Products

We manufacture, export and supply precision engineered products that are made with attention to details and are also durable. Corrosion resistant and easy to operate they are widely demanded in INDUSTRIES. Our range includes:

### Knock Out Drums –

We have supplied knock out drums for natural gas applications for **Oil India Ltd (Oil) Through Forbes Marshall Pvt Ltd, Pune**. The same was fabricated in sa 516 gr. 70 material and dispatched after PDIL inspection.



### THREE PHASE SEPARATOR

Gas Flow	700,000 sm <sup>3</sup> /day
Oil Flow	350 m <sup>3</sup> /day
Water Flow	350 m <sup>3</sup> /day
Working Pressure	101 kg/cm <sup>2</sup>



### Test Separator

Oil Flow	700 m <sup>3</sup> /day
water Flow	350 m <sup>3</sup> /day
Gas Flow	700000 m <sup>3</sup> / day
Pressure	1440 psi
Temperature	300 °F



### Two Phase Separator for Natural Gas

Vessel Diameter 1.8 m

Working Pressure 50 kg/cm<sup>2</sup>

Height 4.1 m



### Two Phase Separator,

Gas Flow 30,000 sm<sup>3</sup>/day

Design 35 kg/cm<sup>2</sup>

Operating temperature 35-45 °C

Size 610x1675 mm

Temperature 300 °F



### Crude Oil Emulsion Treater,

Capacity 2000 m<sup>3</sup>/day

Pressure 30psi

Treating Temp. 60-65°C

Size 55°C



### Gas Conditioning Skid, GAIL

#### Gas Separators, Filters and Heaters

Flow 1350 nm<sup>3</sup> / hr

Pressure 15kg / cm<sup>2</sup>

Inlet Temp. 35°C



Oult Temp. 55°C

**Stationary Locomotive Boiler**

Heating Surface Area 52.2 sq m

Evaporation Capacity 1000 kg/hr

Working Pressure 9.8 kg /cm<sup>3</sup>



**LOCOMOTIVE BOILER**

Capacity 900 Kg/hr

Working Pressure 9.8 Kg/cm<sup>2</sup>

Heating Surface 52.2 Kg/cm<sup>2</sup>



**MOBILE STEAM GENERATOR**

Capacity 900 kg/hr

Fuel Deisel/Natural Gas

Pressure 1440 psi

Temp. 230 °C



**PRODUCED WATER TREATMENT PLANT**

Flow 100 m<sup>3</sup>/hr and 7.5 m<sup>3</sup>/hr

Oil Specific Gravity 0.78

Inlet oil 5000 ppm

Outlet oil less than 5 ppm



**Cross-Flow Interceptor,  
HOCL**

Flow Rate            250 m<sup>3</sup>/hr  
Inlet Oil             2000ppm  
Outlet Oil            < 10 ppm



**Effluent Treatment Plant**

Flow                    75 m<sup>3</sup>/hr  
Inlet oil content     3000 ppm  
Outlet oil content    less than 10 ppm



**Hydrocarbon Condensate Storage Tank**

Capacity             50 m<sup>3</sup>/hr  
Design pressure     5.37 kg/cm<sup>2</sup>  
Design Temp.        65.6°C  
Size                    2200x13200x12 mm



**Control Panels**

Control panel with Thyristor drive for electrical heating of natural gas



**Coalescer Packs**



**Separation Packs**



**Centrifugal Gas Separators –**



Vertical Centrifugal Gas Separators / Deaerators are designed to Separate and automatically vent out air and gas from petroleum and other Liquid Products before they are metered.

## Basket Type Strainers:



**Vikrant** Basket type Strainers are used to filter foreign matter from Pipe Line by using screen removable from top. The screen is in the form of a basket with a handle. All the clogged material retained by the screen can be easily removed and made ready for next change over. They are available in variety of materials and finds application in various chemical process industries. They are designed for application where easy maintenance and large capacity straining area are needed.

### FEATURES:

- Compact Size and Low Weight.
- Large dirt holding capacity, Long cleaning cycle time.
- Top removal of screen with a lifting handle.
- Permits rapid servicing.
- Filters are manufactured up to 48" NB Size and Filtration down up to 5.

## Duplex Strainers - Basket Type:

**Vikrant** Duplex Filters provide ease of cleaning the element without interruption to the process i.e. where the flow cannot be shut down for cleaning the screen by use of butterfly Valves . Duplex Strainers feature a single shaft drive to operate the flow diverter valves Baskets are gasketed and surely positioned to prevent particles by - pass. They are available in fabricated and cost construction.

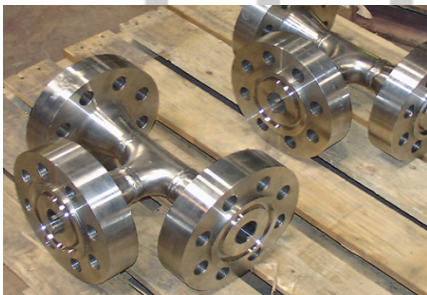


#### FEATURES:

- Compact Size and Low Weight.
- Low Pressure drop across the filter.
- Large dirt holding capacity and allows frequent cleaning.
- They are very economical as they can be fabricated according to the requirement with choice of valves.
- Size: 25 NB - 600 NB

## Tee Strainers

Tee Strainer is designed to remove solids from Pipe Line where a Compact accessible strainer is needed for protection of pumps, Valves, and other similar equipment. Tee Strainer is fabricated from pipes and plates or standard equal Tee and Flange Strainer elements are made of M.O.C. -Body - MS / Strainer Elements - SS / Bronze Steel perforated sheet or wire mesh supported by perforated Tee Type Strainer many times a structural skeleton. Made of flats and round bar is used to support wire mesh.



#### FEATURES:

- Compact Size and Low weight.
- Covers furnished with blow off tapping.
- Low Pressure drop across the filter.
- Low Installation and maintenance.
- Easy cleaning or replacing the element.
- Machined tapered seat to securely receive the screen cover gaskets designed to high temperature service.

## Conical (Temporary) Strainers



Where cost is of prime importance, a temporary strainer may be installed between flanges in a pipeline. Variations of temporary strainers include cone (Fig. 8A), truncated cone (Fig. 8B) and flat (Fig. 8C) geometries. The design considerations with these types of strainers are:

1. They have a lower net open area than basket strainers.
2. The pipeline must be disassembled to inspect, clean or remove these strainers.
3. Structural strength can be difficult to achieve, particularly in larger sizes, and in the case of wire mesh.

While these strainers were once used only temporarily or for startup, frequently they are now left in the line during operation. As with all types of strainers, periodic maintenance must be carried out to ensure efficient operation.

## Y- Strainers

Y-type strainers are compact strainer solutions and are manufactured in fabricated units typically to standards such as ASME B31.3 with either butt weld, NPT or a choice of different flanged connections.

The element is typical cylindrical and sits in the strainer such that any debris enters the element and is collected away from the process stream. This allows the strainer to collect a considerable amount of debris without effecting the pressure drop. Y -type strainers are well suited to protecting pumps and compressors.



Elements are constructed from perforated plate with wire mesh welded in as required to provide greater filtration. Y-type strainers can provide filtration from 10mm with perforated plate down to 50 microns with mesh inserts.



**Twin Drum Boiler**



We manufacture twin drum boiler which is widely demanded and used in various Industries. All these boilers are precision engineered and easy to maintain. These boilers are also rugged in construction and also durable. The boilers made by us are also cost effective and are designed under the guidance of experts and professionals.

## Integral Furnace Boiler



We are expert in manufacturing integrated furnace boilers that are used in various Industries for different production purposes. All these boilers are easy to install as well as maintain. These boilers are robust in construction and are engineered with attention to each and every detail so that the best can easily be supplied to the client.

## Storage Tanks



We produce storage tanks which are made using premium quality raw materials that are procured from reliable vendors and suppliers. All these storage tanks are corrosion resistant and also durable. Made with attention to even the minutest detail these tanks are used for storage of various liquids and chemicals in different Industries.

## Water Plant



We manufacture water treatment plants that are used for filtration as well as purification of the water. All the dissolved impurities are easily filtered using these plants so that only pure water can be provided for various purposes. This water plant also removes the silt and dissolved impurities in the water with great ease.

## Incinerator

We produce incinerator which is a other types of waste until it is



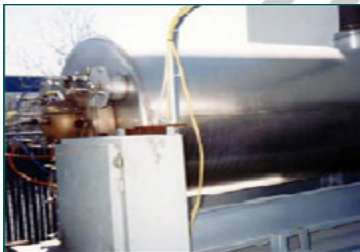
unit or facility used to burn trash and reduced to ash. Our incinerator is

constructed of heavy, well-insulated materials, so that it does not give off extreme amounts of external heat. The high levels of heat are kept inside the furnace or unit so that the waste is burned quickly and efficiently. If the heat was allowed to escape, the waste would not burn as completely or as rapidly.

## Deaerator



We design Deaerator which is a device for air removal and is used to remove dissolved gases (an alternate would be the use of water treatment chemicals) from boiler feed water to make it non-corrosive. A Deaerator typically includes a vertical domed deaeration section mounted on top of a horizontal cylindrical vessel which serves as the deaerated boiler feed water tank.



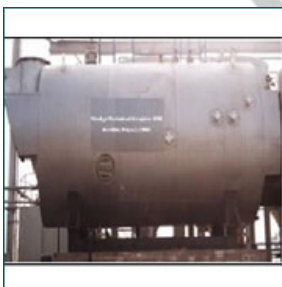
## Oil Fired Boiler

We manufacture oil-fired boilers that are available in combi, regular and system models. We offer high efficiency condensing models, which operate to at least 90% efficiency. All of the regular and system boilers are also compatible as well as highly durable and precise. All our boilers are highly reliable and easy to maintain.

## Solid Fuel Boiler



We manufacture solid fuel boilers that are rugged in construction and robust in design. These fuel boilers are easy to install and also widely demanded in the global markets. All our fuel boilers are durable and precise. These boilers are easy to maintain and operate on standard temperatures. These boilers are easy to operate and can also be customized



## Husk Fired boiler

These husk fired boilers are designed only under the guidance of experts and engineers. All these boilers operate at different temperatures and also durable. These boilers can be customized as per clients needs and industrial requirements. These boilers are also cost effective and easy to operate.

## Coal Fired Boiler



The coal fired boilers made by us are designed as per the technical specifications provided by the client. These boilers are also perfectly in

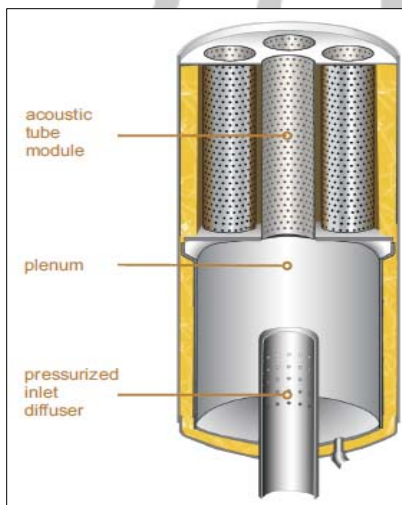
accordance with the industrial standards. These boilers are superior in performance and also made using premium quality of raw materials that are procured from reliable sources.

## Gas Fired Boiler



The gas fired boilers made by us are installed by specialists who have complete knowledge regarding the installation as well as production process. All these boilers are made using superior quality of raw materials that are procured from reliable vendors and suppliers. These boilers function efficiently and are easy to operate.

## Industrial Silencers



VIKRANT's Vent Silencers suppress noise generated by the rapid release of gas or steam under high pressure to atmosphere. Typical applications for VIKRANTS Vent Silencers are:

- ❖ Boiler Startup and Shut Down Systems
- ❖ System Purge
- ❖ Safety Relief Valves
- ❖ Control Valves
- ❖ Centrifugal Compressors
- ❖ Steam Ejectors and Vents
- ❖ Blow down Systems

**Contact:**  
Kailash Patil  
Incharge – Operations  
Mo No: 09028228952

## Vikrant Industries

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