



SUPER FABTECH INDIA



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About Super Fabtech India

Established in 2021, Super Fabtech India has emerged as a leading Manufacturer, Exporter, Importer, and Service Provider of high-performance industrial solutions. Our extensive product portfolio includes Gas Flare Systems, Flame Arrestors, Industrial Chimneys, Industrial Gas Burners, and more.

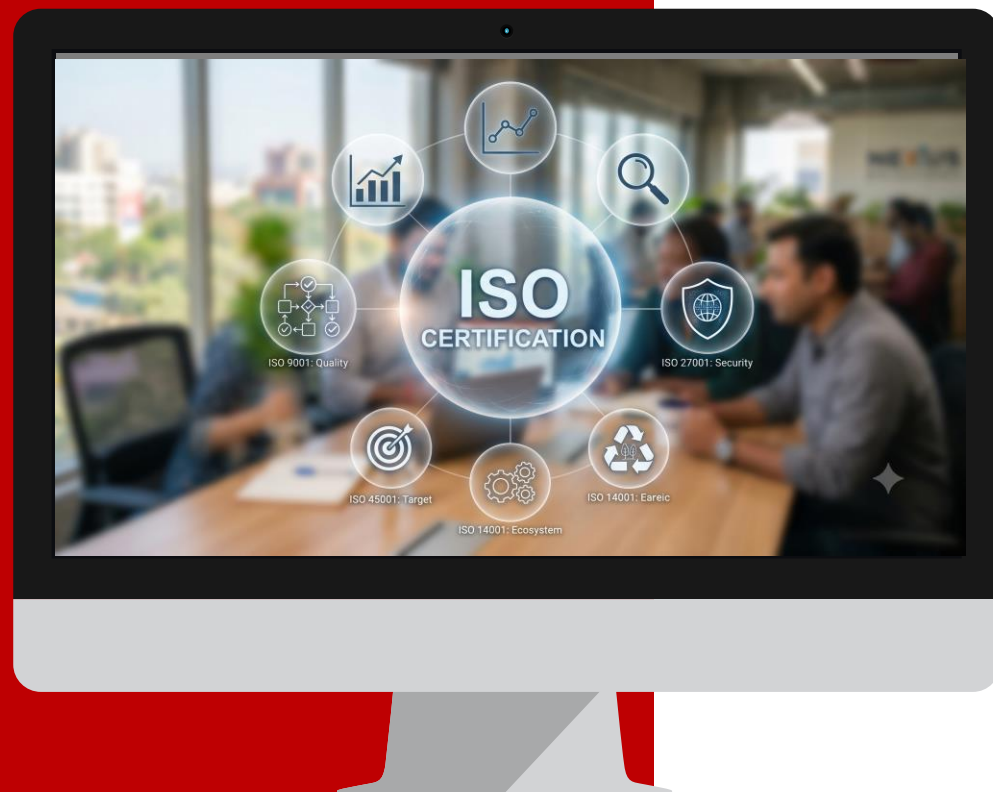
With a strong focus on quality, innovation, and customer satisfaction, we are committed to delivering products that meet the highest industry standards. Our operations are guided by ethical business practices and a commitment to complete transparency, helping us foster long-term, trust-based relationships with our clients.

At Super Fabtech India, we believe that our success is built on the satisfaction of our customers. Every aspect of our business is aligned to meet and exceed customer expectations, ensuring reliability, safety, and performance in every solution we offer.

We owe our growth and continued success to the visionary leadership of **Mr. Anna Tayappa Kalel**, whose unwavering support and strategic direction have played a pivotal role in driving our exponential growth and strong market presence.

Company Overview





ISO CERTIFICATE

ISO 9001:2015

Certificate of Registration

This is to Certify that
Quality Management System of

SUPER FABTECH INDIA

103, SAINATH HOUSING SOCIETY, NEAR OLD DYNANDEEP SCHOOL, RUPINAGAR,
NARALE BUILDING, TALWADE ROAD, RUPINAGAR, PUNE – 412114,
MAHARASHTRA, INDIA.

has been assessed and found to conform to the requirements of

ISO 9001:2015

For the following scope :

DESIGN, ENGINEERING, MANUFACTURING & SUPPLY OF GAS FLARE
SYSTEMS, FLAME ARRESTOR, INDUSTRIAL FABRICATION WORKS &
INDUSTRIAL EQUIPMENTS.

Certificate No : 26MEQVR82
Initial Registration Date : 20/04/2026 Issuance Date : 20/04/2026
Date of Expiry : 19/04/2029
1st Surve. Due : 20/03/2027 2nd Surve. Due : 20/03/2028



Director



(Scan to Verify)

Magnitude Management Services Pvt. Ltd.

Head Office: A-103, Sector-2, Noida, Gautam Buddha Nagar, U.P.-201301, India. e-mail: info@mmcertification.com, website: www.mmcertification.com
subject to Successful Surveillance Audit, in case Surveillance audit is not conducted, this certificate shall be suspended/withdrawn.
Certificate Verification: Please Re-check the validity of certificate at <https://www.mmcertification.com/activeclients.aspx> or www.mmcertification.com at Active Clients.
Certificate is the property of Magnitude Management Services Pvt. Ltd. and shall be returned immediately when demanded.





MISSION AND VISION



Mission

To be world classes admirable company for process Equipment's and machinery.



Vision

Delivering high-quality, reliable industrial solutions that meet and surpass customer expectations.



Our Products & Solutions

Open Gas Flare Systems

End of line Flame Arrestor

Inline Flame Arrestor

Enclose Biogas Flare System

Open Biogas Flare Stack

Flare pilot burner ignition systems

Portable gas flare systems

CNG gas flare systems

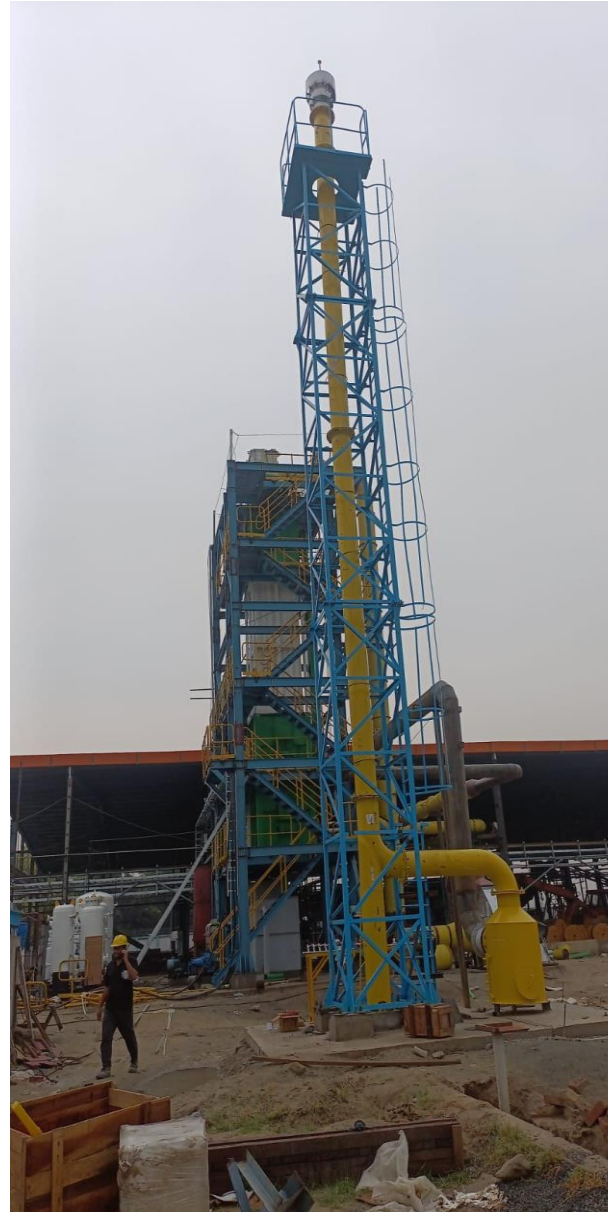
Producer gas pant flare systems



OPEN GAS FLARE SYSTEM

At **Super Fabtech India**, we specialize in the Design, Engineering, manufacturing, Supply & Testing automatic and manual operation gas flare systems of capacity as per customer requirements (gas flow rate from 1 to 100,000m³/Hr), designed to safely burn off excess and waste gases generated in industrial processes—particularly in **biogas plants, wastewater treatment plants, chemical industries, and petrochemical sectors, tier pyrolysis, plastic pyrolysis, oil refineries, steel plant, synthesis gas flare.**

We are recognized among the prominent manufacturers, suppliers, and traders of a wide array of **Biogas Flare Systems**. Our flare systems are engineered using **premium-grade materials** to ensure durability, efficiency, and compliance with **international safety and emission standards**.



Key Features:

- Sturdy Construction:** Built from high-quality stainless steel or carbon steel with anti-corrosive properties.
- Efficient Combustion:** Ensures smokeless, odorless, and complete gas burning.
- Automation Options:** Available with **manual, semi-automatic, or fully automatic ignition systems.**
- Pilot Burner & Flame Arrestors:** Equipped with **auto-ignition pilot burners** and **flame arrestors** for enhanced operational safety.
- Customizable Design:** Systems are tailored to meet specific client needs based on **gas flow rate, pressure, and site conditions.**
- Stack Height:** Designed with variable stack heights as per environmental clearance norms and project requirements.

Technical Specifications (sample range):

- Capacity:** 50 to 100,000 Nm³/hr
- Ignition:** Manual or Automatic ignition provides.
- Material:** SS 304 / SS 316 / Mild Steel (coated)
- Type:** Open flare or enclosed flare
- Application:** Biogas, landfill gas, chemical gases, ammonia, producer gas,

Applications:

- Biogas Plants
- CBG gas flare systems
- Methane /natural gas flare systems
- Hydrocarbons gas flare systems
- Synthesis gas flare systems
- Producer gas flare systems
- Cocke oven gas flare systems
- Effluent Treatment Plants (ETP)
- Sewage Treatment Plants (STP)
- Landfill Gas Flaring
- Chemical & Petrochemical Plants



End of line Flame Arrestor

Endline Flame Arrestor

At Super Fabtech India, we manufacture and supply high-performance **Endline Flame Arrestors** engineered to prevent the propagation of flames into pipelines or storage tanks, ensuring safety in systems dealing with flammable gases and vapors. These devices are widely used in biogas plants, petroleum storage facilities, chemical industries, and other environments where explosion risks are present.

Our Endline Flame Arrestors are designed to offer robust protection at the termination points of vent lines, providing a critical safeguard against flashbacks, while allowing free venting of gases to the atmosphere under normal operating conditions.



Key Features:

- **Flame Quenching Elements:** Constructed using stainless steel crimped ribbon or mesh to extinguish flames instantly.
- **Robust Construction:** Available in stainless steel (SS 304, SS 316) or coated mild steel for long-term corrosion resistance.
- **Bidirectional Protection:** Prevents flame travel from both directions in case of ignition.
- **Maintenance Friendly:** Easy to inspect and clean, ensuring long service life with minimal downtime.
- **Compact & Versatile:** Designed for space efficiency and can be installed vertically or horizontally.
- **Certifications & Standards:** Engineered to meet global safety and performance standards (e.g., ATEX, API, ISO).

Technical Specifications (sample range):

- **Size Range:** 1" to 24" (DN 25 to DN 600)
- **Material Options:** SS 304 / SS 316 / Coated Mild Steel / Hastelloy (on request)
- **Flame Element:** SS crimped ribbon or sintered disc
- **Max Operating Pressure:** Up to 1.5 bar(g)
- **Max Operating Temperature:** Up to 150°C (higher on request)
- **Connection Type:** Flanged or threaded ends
- **Mounting:** End-of-line (vertical or horizontal)

Applications:

- Biogas & Landfill Gas Systems
- Petroleum & Fuel Storage Tanks
- Chemical Processing Units
- Solvent Recovery Systems
- Hydrogen or Methane Storage Vents
- Waste Gas Venting Lines



Inline Flame Arrestor

At **Super Fabtech India**, we specialize in the design and manufacturing of **Inline Flame Arrestors**, critical safety devices used to prevent flame transmission through gas or vapor pipelines. These arrestors are engineered for continuous inline installation in piping systems where flammable gases or vapors are transported—providing vital protection in biogas systems, chemical plants, petroleum facilities, and industrial processing lines. Our Inline Flame Arrestors are precision-built to halt flame fronts while allowing normal gas flow, ensuring maximum safety without compromising process efficiency.



Key Features:

- **High Flame Quenching Efficiency:** Incorporates a stainless steel flame element designed to cool and extinguish flame fronts.
- **Durable Construction:** Fabricated using premium-grade SS 304, SS 316, or coated mild steel for corrosion resistance and long service life.
- **Bidirectional Flame Protection:** Effectively stops flame propagation from either direction within the pipeline.
- **Easy Maintenance:** Removable housing and flame arrestor elements for inspection and cleaning.
- **Wide Compatibility:** Suitable for horizontal or vertical pipeline installations.
- **Certifications & Safety:** Designed in accordance with ATEX, API, ISO, and other relevant safety standards.

Technical Specifications (sample range):

- **Size Range:** 1" to 24" (DN 25 to DN 600)
- **Material Options:** SS 304 / SS 316 / Coated Mild Steel / Special Alloys on request
- **Flame Element:** Stainless steel crimped ribbon or sintered element
- **Design Pressure:** Up to 10 bar(g)
- **Design Temperature:** Up to 200°C (higher temperature models available)
- **Connection Type:** Flanged (ANSI / DIN), Threaded, or Welded Ends
- **Installation Orientation:** Inline (horizontal or vertical)

Applications:

- Biogas & Syngas Pipelines
- Chemical and Petrochemical Process Lines
- Fuel Gas Handling Systems
- Hydrogen and Methane Pipelines
- Solvent Vapor Recovery Systems
- Thermal Oxidizer Inlets



Enclosed Biogas Flare System

At **Super Fabtech India**, we offer robust and environmentally compliant **Enclosed Biogas Flare Systems**, engineered to provide safe, smokeless, and odorless combustion of excess biogas. Designed specifically for controlled flaring in applications where aesthetics, emission control, and thermal radiation containment are critical, these systems are ideal for biogas plants, landfill sites, sewage treatment facilities, and agro-industrial projects.

Our enclosed flare systems ensure complete combustion within a vertical combustion chamber, minimizing environmental impact while meeting stringent air quality and safety standards.



Key Features:

- **Smokeless & Odorless Combustion:** High-temperature flame inside a refractory-lined combustion chamber ensures clean gas burning.
- **Low Emission Design:** Engineered for complete combustion with low NO_x and CO emissions in compliance with CPCB and international norms.
- **Thermal Radiation Control:** Fully enclosed design prevents external flame visibility and reduces heat exposure to surroundings.
- **Ignition Systems:** Available with manual, semi-automatic, or fully automatic ignition and flame detection systems.
- **Integrated Pilot Burner:** With auto-ignition and flame sensing capability for safe startup and shutdown.
- **Custom Engineered:** Designed based on site conditions, gas composition, flow rate, and client-specific requirements.

Technical Specifications (sample range):

- **Capacity:** 50 to 3000 Nm³/hr
- **Flare Type:** Enclosed, refractory-lined combustion chamber
- **Material of Construction:**
 - **Inner Chamber:** High-temperature refractory and SS 310
 - **Outer Shell:** SS 304 / SS 316 / Coated Mild Steel
- **Ignition:** Manual / Auto Ignition with Flame Scanner
- **Emission Compliance:** Meets CPCB / EPA / EU Flare Guidelines
- **Stack Height:** Designed as per environmental and dispersion modeling

Applications:

- Biogas Plants (agricultural, municipal, and industrial)
- Sewage Treatment Plants (STPs)
- Effluent Treatment Plants (ETPs)
- Landfill Gas Management

Pilot burner

Ignition of waste gas from pipe flares, air and steam assisted flares and ground flares

For most flare systems the pilot burner cannot be accessed for service. Maintenance or replacement is not possible while the flare is in operation. To safeguard operation, Super fab tech india's pilots provide reliable ignition and stable burning even under the most difficult climate conditions.

Features

- High energy ignition
- Ignition by three integrated spark plugs
- Long lifetime, longer maintenance intervals
- Insensitive to moisture and dirt
- Complete delivery; cables, junction boxes, and ignition unit
- Easy-fit cable connectors
- Self-aspirating or forced air supply
- Integrated and protected thermocouple
- Functionally tested to client specifications
- Construction completely out of high-temperature-resistant stainless steel

Applications

Ignition of all kind of flares in the (petro) chemical, oil and gas, steel and bio gas industry

A: Classic flare ignition, flame front ignition

A flame front generator is a system in which a gas/air mixture is introduced at ground level and flows up a one-inch line to the pilot burner. After filling this line with the mixture it is ignited by a spark. The resulting flame travels to the top of the flare where the pilot burner is ignited.

flame front ignition
(gas/ air mixture)

pilot gas consumption:
3-5 Nm³/hr.
26,000-43,800 Nm³/year

B: Gas-electric flare ignition

A premixed, self-aspirating pilot burner with 3 integrated spark plugs.

Electrical
ignition
with
three
integrated
spark
plugs
located
away
from
the
high
heat
radiation
zone

pilot gas consumption:
1.5-3 Nm³/hr.
13,000-26,000 Nm³/year

C: Combination of A and B

flame front connection

Key Features:

- **Economical Design:** Simplified structure ideal for lower-capacity systems and non-urban installations.
- **Visible Flame:** Direct open combustion with a stable and controlled flame.
- **High-Temperature Flame Tip:** Made from heat-resistant stainless steel (SS 310 or equivalent) for durability and performance.
- **Pilot Burner with Ignition:** Available with manual or automatic ignition and optional flame arrestor.
- **Anti-Flashback Safety:** Optional endline or inline flame arrestors to ensure safe operation.
- **Low Maintenance:** Minimal moving parts and easy access for inspection and servicing.
- **Custom-Built:** Stack height, tip design, and flow configuration tailored as per project needs and environmental norms.

Technical Specifications (sample range):

- **Capacity:** 30 to 2500 Nm³/hr
- **Flare Type:** Open Flare
- **Material of Construction:**
 - **Flare Tip:** SS 310 / SS 304 / SS 316
 - **Support Stack:** Galvanized MS / SS / Coated Mild Steel
- **Ignition:** Manual / Semi-Automatic / Auto Ignition
- **Flame Visibility:** High (used where visible flame is not a concern)
- **Stack Height:** Designed as per project and dispersion requirements

Applications:

- Biogas Plants (small to medium scale)
- Effluent & Sewage Treatment Plants (ETP/STP)
- Agro-industrial Digesters
- Landfill Gas Venting
- Food & Beverage Processing Units



Portable gas Flare

At **Super Fabtech India**, we provide reliable and cost-effective **portable gas Flares** designed to safely burn excess biogas from small to medium-sized biogas plants and waste gas sources. Engineered for straightforward operation and easy installation, our portable biogas flares deliver efficient combustion while ensuring compliance with basic safety and environmental standards.

Ideal for applications where minimal automation and uncomplicated design are preferred, these flares offer a practical solution for on-site biogas management.



Key Features:

- **Simple & Robust Design:** Minimal components for easy operation and low maintenance.
- **Manual Ignition:** User-friendly manual pilot burner for straightforward flare ignition.
- **Durable Materials:** Constructed from corrosion-resistant stainless steel or coated mild steel.
- **Open Flame Tip:** Provides visible combustion for quick operational checks.
- **Safety Accessories:** Option to add flame arrestors and spark arrestors for enhanced safety.
- **Compact & Portable:** Lightweight design suitable for temporary or permanent installation.
- **Customizable Stack Height:** Designed according to site and environmental clearance requirements.

Technical Specifications (sample range):

- **Capacity:** 20 to 1000 Nm³/hr
- **Flare Type:** Open flare, simple vertical stack
- **Material of Construction:** SS 304 / Coated Mild Steel
- **Ignition:** Manual Pilot Burner
- **Stack Height:** Adjustable per client requirement
- **Operating Temperature:** Ambient to 150°C

Applications:

- Small & Medium Biogas Plants
- Agricultural Biogas Projects
- Wastewater Treatment Facilities (small scale)
- Landfill Gas Management (low capacity)
- On-site Organic Waste Digestion Units

Flame Arrestor Element

At **Super Fabtech India**, we manufacture precision-engineered **Flame Arrestor Elements** that serve as the critical core component in flame arrestors, designed to safely extinguish flames and prevent flame propagation in gas and vapor handling systems. Our elements are fabricated using high-quality materials to ensure effective flame quenching, durability, and compliance with rigorous safety standards.

These flame arrestor elements are ideal for use in inline and endline flame arrestors across a variety of industrial applications including biogas, chemical processing, petrochemical, and fuel storage systems.



Key Features:

- Superior Flame Quenching:** Designed with crimped stainless steel ribbons or sintered mesh to rapidly cool and extinguish flames.
- Corrosion Resistant:** Made from SS 304, SS 316, or special alloys for enhanced longevity and performance in harsh environments.
- Custom Sizes & Designs:** Manufactured to fit a wide range of flame arrestor housings and flow conditions.
- Low Pressure Drop:** Optimized design ensures minimal impact on gas flow while maintaining safety.
- Easy Inspection & Replacement:** Modular design allows for quick element replacement during routine maintenance.
- Certified Quality:** Engineered to meet international standards including API, ATEX, and ISO.

Technical Specifications (sample range):

- Material:** SS 304 / SS 316 / Hastelloy / Inconel (on request)
- Element Types:** Crimped Ribbon, Sintered Mesh, Spiral Wound
- Element Size:** Custom diameters and lengths to fit customer housings
- Operating Temperature:** Up to 400°C (depending on material)
- Pressure Drop:** Optimized per design and flow rate
- Applications:** Compatible with inline, endline, and other flame arrestors

Applications:

- Biogas & Landfill Gas Systems
- Chemical & Petrochemical Plants
- Fuel Storage and Handling
- Gas Processing Units
- Solvent Recovery Systems
- Hydrogen & Flammable Vapor Lines

Quality Policy

We At SUPER FABTECH INDIA, are committed to achieve total customer satisfaction through Design, Development, Manufacturing and supply of consistent good quality Strainer and Filter as well as their related component equipments, timely delivery and prompt after sale service at optimum cost to meet customer's expectation. We will continuously strive to improve our quality to total gain customer's satisfaction "with below mentioned objectives.

- ❖ To Design, Development, Manufacturing, supply safe and good quality equipments.
- ❖ To ensure timely delivery.
- ❖ To provide Prompt After-Sale- Service.
- ❖ Effective utilization of resources.
- ❖ To maintain the purchase of high quality items &Raw material.
- ❖ Integrating "Quality, environment, health &Safety" in all our process at all levels of our organization and making an integral part of our Quality Management System.
- ❖ Developing a mutually beneficial relationship with our Clients, Vendors and the people concerned.
- ❖ Periodic review this policy to make is relevant and communicating it to all concerned.

Vision

We are putting all our effort to improve efficiency of our products with effective cost cutting. We are all committed to on delivery, quality products, and prompt after sales service and product technical support



WHY CHOOSE US?

Industry Expertise

- ✓ Decades of experience in industrial solutions.

Quality & Durability

- ✓ Products designed for long-term efficiency.

Sustainable Practices

- ✓ Reducing environmental impact through innovation.

Comprehensive Support

- ✓ From consultation to after-sales services.





CONTACT US



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THANK YOU!!!



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