

STEEL FABRICATORS

WELDING TRUST,
FABRICATING EXCELLENCE



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Made in India



■ About Us – Steel Fabricators

Established in **1985** by **Mr. V. S. R. Nair** in *Dombivli, Thane*, **Steel Fabricators** has steadily grown into a trusted partner for **chemical plant equipment** and **industrial fabrication works**.

With nearly **40 years of experience**, we have built our reputation on:

- **Welding Trust** – ensuring reliability in every project.
- **Fabricating Excellence** – delivering uncompromised quality.
- **On-time Delivery** – driven by strong infrastructure and skilled manpower.
- **Commitment to Safety & Sustainability** – in every stage of fabrication.

Today, Steel Fabricators proudly serves industries across **India and overseas**, positioning us as both **manufacturers and exporters of world-class equipment**.

We are proud contributors to “**Aatmanirbhar Bharat**”, providing Indian-made solutions at global standards.



Founder – Mr. V.S.R. Nair

■■ Reactors

At Steel Fabricators, we design and fabricate high-performance Reactors for the chemical and pharmaceutical industries. Our expertise covers both Limpet Coiled and Jacketed Reactors, engineered for efficiency, durability, and reliability.

Limpet Coiled Reactors

- Designed for heating and cooling using steam, hot oil, or cooling water.
- Limpet coils ensure efficient heat transfer and uniform temperature.
- Available in MS, SS 304, SS 316, or as per client specification.
- Capacities from pilot scale to large industrial scale.

Jacketed Reactors

- Double-walled construction for precise temperature control.
- Supports steam, hot oil, or chilled water circulation through jacket.
- Provides better heat transfer efficiency.
- Ideal for uniform heating, cooling, or pressure handling.

Features

- Robust fabrication with precision welding.
- Corrosion-resistant material selection.
- Leak-proof performance under pressure.
- Custom agitator designs (Anchor, Turbine, Paddle, Helical).
- Easy maintenance access.

Applications

- Chemical reactions
- Distillation processes
- Polymerization
- Crystallization
- Mixing & blending



■■ Heat Exchangers & Condensers

Heat Exchangers

At Steel Fabricators, we design and manufacture high-performance Heat Exchangers built for durability, efficiency, and ease of maintenance.

Types & Features

- Shell & Tube Heat Exchangers – maximum heat transfer efficiency.
- U-Type Coil Heat Exchangers – compact design, easy cleaning & maintenance.
- Fabricated in MS, SS 304, SS 316, or other alloys as per client needs.
- Designed for high-pressure and high-temperature applications.
- Long service life and easy maintenance.

Applications

- Process fluid heating & cooling
- Condensation & evaporation
- Widely used in chemical and pharmaceutical plants

Condensers

We specialize in Condensers designed for efficient vapor-to-liquid conversion.

Features

- Robust shell & tube or coil type designs.
- Consistent cooling performance for continuous operation.
- Precision welding for durability & reliability.

Applications

- Solvent condensation
- Distillation & recovery systems
- Chemical and pharmaceutical industries

■■ Distillation Columns & Receivers

Distillation Columns

At Steel Fabricators, we design and fabricate Distillation Columns for the chemical and pharmaceutical industries.

Features

- Available in packed type or tray type designs.
- Suitable for continuous or batch operations.
- Fabricated in Stainless Steel (SS 304, SS 316) or as per process needs.
- Leak-proof precision welding ensures durability and safety.
- Engineered for high separation efficiency.

Applications

- Solvent recovery & purification
- Fractional distillation of chemicals
- Pharmaceutical and fine chemical plants

Receivers

We manufacture Receivers used in process plants for storing, handling, and transferring liquids and solvents.

Features

- Robust construction in SS 304 & SS 316.
- Designed for safe pressure handling.
- Available in various sizes & capacities.
- Easy to clean, operate, and maintain.

Applications

- Solvent collection with distillation systems
- Intermediate storage in chemical processes
- Widely used in chemical & pharmaceutical industries

■ ■ Falling Film Evaporators

At Steel Fabricators, we manufacture Falling Film Evaporators (FFE) for the chemical and pharmaceutical industries. These are highly efficient for concentration and evaporation processes.

Features

- Thin film of liquid flows over heated tubes for rapid and uniform evaporation.
- High heat transfer efficiency with minimum residence time.
- Operates under vacuum conditions to protect heat-sensitive products.
- Fabricated in SS 304, SS 316, or as per client needs.
- Compact construction with easy maintenance access.

Advantages

- Energy-efficient operation with reduced steam consumption.
- Prevents product degradation due to low temperature evaporation.
- Suitable for continuous operation with high throughput.

Applications

- Concentration of pharmaceutical solutions
- Evaporation of chemical intermediates
- Distilleries, bio-products, and specialty chemical plants

■■ Ribbon Blenders & Jacketed Blenders

Ribbon Blenders

At Steel Fabricators, we manufacture high-performance Ribbon Blenders for the chemical and pharmaceutical industries.

Features

- Horizontal U-shaped trough with inner & outer helical ribbons.
- Ensures uniform and efficient blending of powders, granules, and pastes.
- Available in SS 304, SS 316, or as per client requirements.
- Dust-tight construction with proper sealing.
- Easy to operate, clean, and maintain.

Jacketed Ribbon Blenders

- Equipped with an external jacket for heating or cooling during blending.
- Allows steam, hot oil, or chilled water circulation for precise temperature control.
- Ideal for processes requiring mixing with thermal regulation.
- Built with robust fabrication and precision welding standards.

Optional Liquid Spraying System

- Integrated spraying nozzles for adding binders or solvents during mixing.
- Ensures uniform liquid distribution without clumping.
- Enhances blending efficiency in pharma and specialty chemical applications.

Applications

- Powder mixing for chemical processes
- Pharmaceutical formulations

■■ Storage Tanks, Structural Works & Piping

We manufacture and supply high-quality storage tanks, structural works, and process piping solutions tailored for industrial applications.

- Storage Tanks:

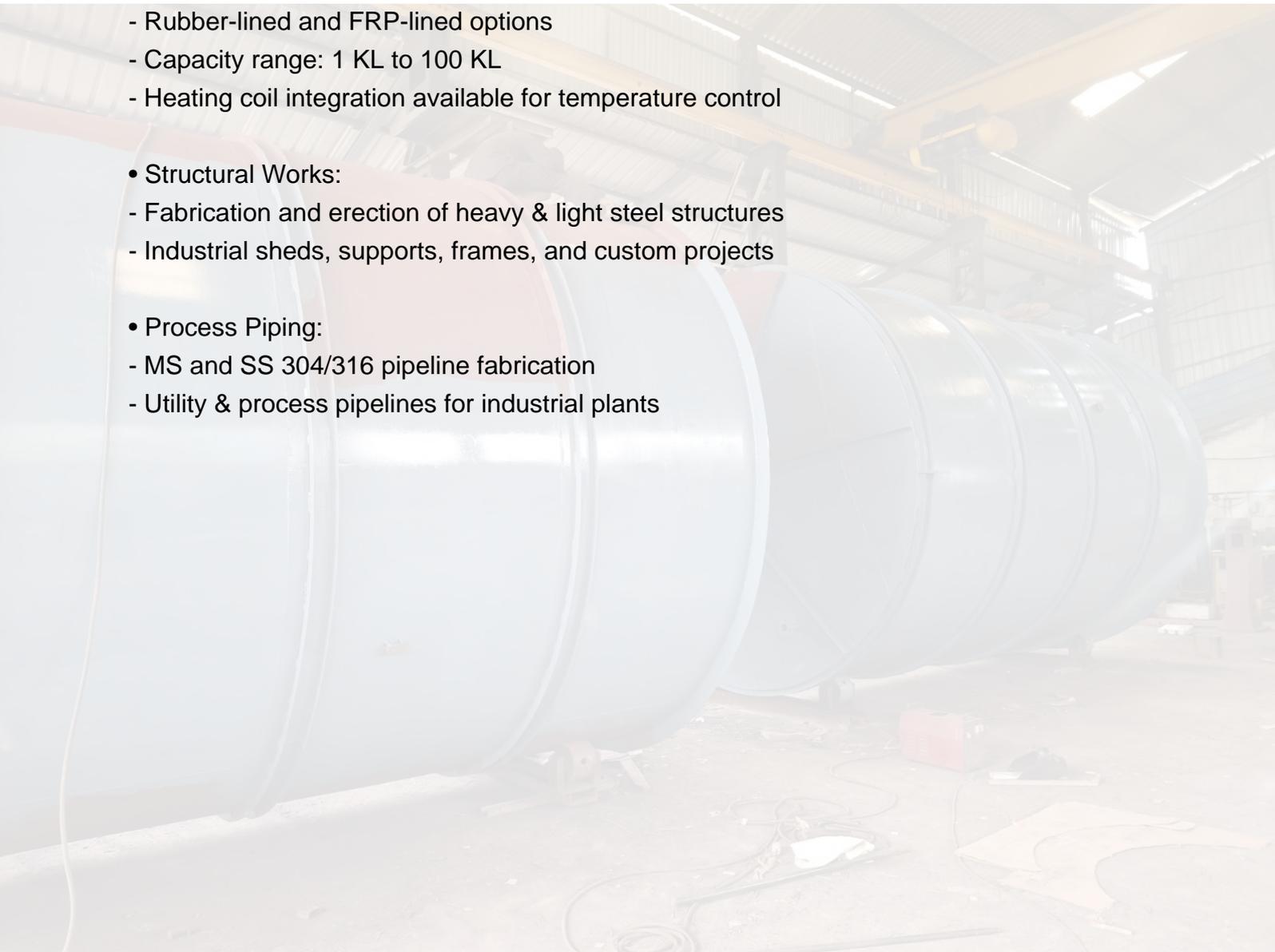
- Available in MS, SS 304, SS 316, and SS 410
- Rubber-lined and FRP-lined options
- Capacity range: 1 KL to 100 KL
- Heating coil integration available for temperature control

- Structural Works:

- Fabrication and erection of heavy & light steel structures
- Industrial sheds, supports, frames, and custom projects

- Process Piping:

- MS and SS 304/316 pipeline fabrication
- Utility & process pipelines for industrial plants



Contact Us

Registered Office & Works

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Connect With Us

Have a project in mind? Our team is ready to assist you with **custom fabrication solutions** for your chemical plant equipment, structural works, and process pipeline needs.

- Quick Response
- Tailor-Made Solutions
- Reliable After-Sales Support



Scan to connect with us on WhatsApp