

ROTARY AUTOCLAVE

Advanced, Energy-Efficient Sterilization Solution

Product Overview

Our Rotary Autoclave is designed for efficient and reliable sterilization and processing applications. It offers temperatures up to 134°C and working pressure up to 2.1 kg/cm², with a horizontal loading chamber and heavy-duty rotary drum. The unit is available in premium stainless steel construction such as SS304 or SS316. Its leak-proof design, safety mechanisms and insulation support safe and energy-efficient operation. Optional PLC control, data logging and process monitoring can be provided for applications requiring advanced automation and traceability.

Key Features & Specifications

Feature	Details
Maximum Temperature	Up to 134°C
Working Pressure	Up to 2.1 kg/cm²
Capacity	Approx. 200 to 2000 litres, as per requirement
Construction	Stainless Steel SS304 / SS316
Chamber	Horizontal loading chamber with mirror-polished finish
Drum	Heavy-duty rotary drum
Control	Automatic operation; optional PLC control
Monitoring	Optional data logger, printer and process monitoring
Safety	Pressure safety valve, automatic pressure control and secure door locking
Insulation	Ceramic or glass wool insulation options

Applications

Suitable for canned food processing, dairy plants, pharmaceutical manufacturing, biotechnology laboratories, research institutes, factories and other processing facilities requiring controlled sterilization.

Extra Features & Commercial Applications

Automatic operation, optional PLC controls, premium insulation and a heavy-duty rotary drum make the machine suitable for high-volume processing. Stainless steel construction and safety features support reliable operation in demanding commercial environments.

Certifications & Business Terms

The machine is manufactured to premium industrial standards with documentation and safety requirements considered for Indian and international applications. Sample units may be available for

commercial evaluation. Payment and commercial terms can be discussed according to customer requirements, application and order conditions.

Frequently Asked Questions

Q: How does the Rotary Autoclave ensure user safety during operation?

A: It includes safety features such as a pressure safety valve, automatic pressure control and a secure door locking mechanism to support safe operation.

Q: What commercial sectors typically benefit from using this autoclave?

A: It is used in canned food processing, dairy processing, pharmaceuticals, biotechnology laboratories and research institutes.

Q: When should optional accessories like a data logger or printer be considered?

A: They are useful when process monitoring, traceability or record-keeping is required, especially for regulated or quality-focused applications.

Q: Where can the Rotary Autoclave be installed and used?

A: It can be installed in factories, laboratories, processing plants and research centers where controlled and large-scale sterilization is required.

Q: What are the advantages of choosing a customized capacity and design?

A: Customized capacity and design help match the required processing volume, available space and specific application requirements.

Q: How energy-efficient and durable is the Rotary Autoclave?

A: High-grade stainless steel construction and insulated design support durability, controlled heat retention and efficient operation.

Note: Temperature, pressure, capacity, materials, controls and accessories should be finalized according to the actual process requirements and machine configuration.