



BETA★STAR

LIFE SCIENCE EQUIPMENT



STEAM STERILIZERS
FOR THE LIFE SCIENCES
MADE IN THE USA



For over 40 years R-V Industries, Inc. has partnered our engineering and manufacturing expertise with customer ideas to produce a quality product. We work closely with you to develop efficient sterilization equipment with low cost of ownership for your laboratory requirements.

By partnering our knowledge and experience with your specifications you can select a sterilizer from our proven line of standard products. We can also custom design and manufacture your sterilizer to give you the highest level of satisfaction in the delivery time-frame you require.

From simple textiles and media to critical sterilization applications, our combined expertise will provide an effective solution you can rely on.



YOUR STERILIZATION PROCESS IS VITAL



Sterilization is a critical process in any laboratory. Beta Star sterilizers are engineered with your processes and workflow in mind.

Industrial grade components and non-proprietary parts make our sterilizers extremely reliable in reducing equipment downtime for critical manufacturing applications.

Energy and water conservation features are integrated into our sterilizer design saving up to 75% on water consumption.

The Beta Star LS Series programmable logic control system allows users to easily customize sterilization cycles to match requirements. The control system also provides documentation via a system printer or through ethernet communication within your network.





For specific applications, Beta Star sterilizers can be custom engineered for your critical processes. Our accumulated knowledge and expertise of the sterilization process is recognized throughout the industry.

Our sterilizers come in a range of sizes and configurations and can be engineered to meet your specifications.

The flexibility of our sterilizer dimensions enable us to readily configure your sterilizer to any room configuration or space.

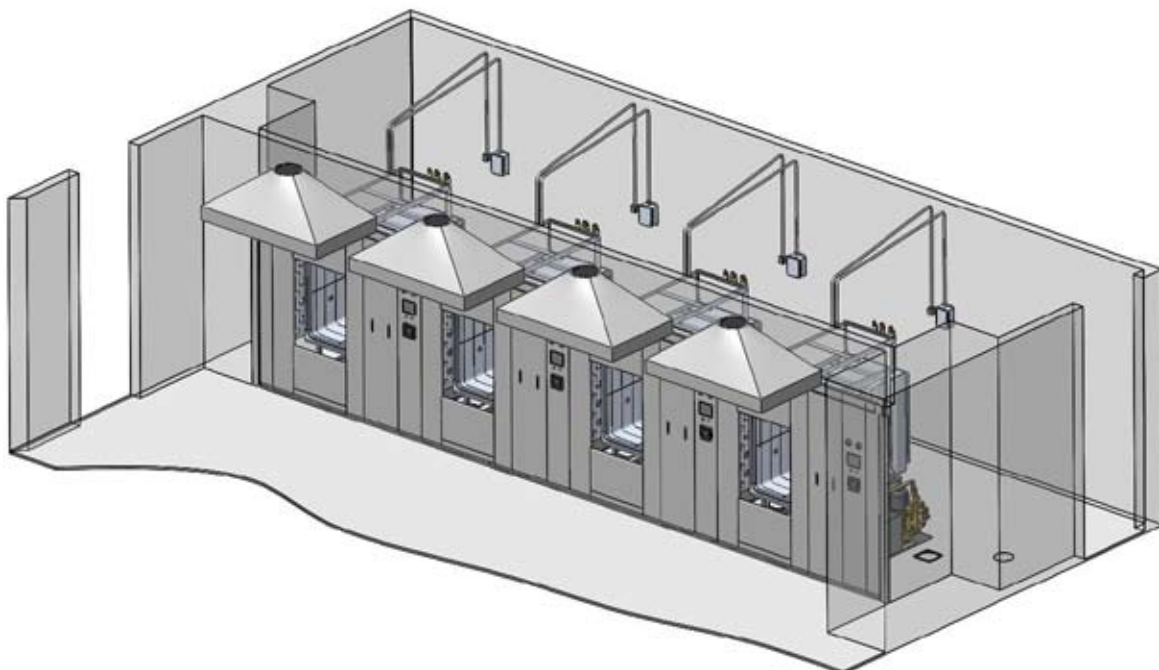
Preliminary room layouts can be configured in 3-dimensional software for approval and function. CAD drawings or drive through 3-dimensional drawings can be inserted into room layouts for proper access and location.



Industry Applications

All Beta Star sterilizers can be customized to accommodate industry application types including:

- **Pharmaceutical**
- **Biotechnology**
- **Research/Animal Care**
- **Laboratory**
- **Institutional Research**





MANUFACTURED TO WORLD CLASS STANDARDS
IN THE U.S.A.



All Beta Star chamber manufacturing and mechanical assembly takes place at our factory headquarters located in southeastern Pennsylvania. Our welders are qualified to weld procedures certified to the ASME Code.

Our 160,000 sq. ft. of manufacturing space includes 12,000 sq. ft. of segregated assembly area providing a clean environment eliminating contamination of your equipment.

All Beta Star sterilizers are equipped with a 316L stainless steel chamber and door. The chambers are polished to 25 Ra with easy clean rounded corners and center sloping chamber floor. The stainless steel fascia panels are 16 gauge with a #4 polish. Sanitary piping packages, load probes, clean steam heat exchange, bio-containment seals and mirror finished chambers are a few of the many options available with our sterilizers. Your sterilizer can be customized with help from our experienced engineering staff.



Our state-of-the-art facility features epoxy-coated floors, dedicated stations for fabrication and systematic assembly of sterilizers and components, a fully-equipped shop for building and testing electronic controls, a multi-unit testing facility, an orbital welding station and a water reclamation system.



SMALL STERILIZERS

Our small sterilizers are used for the sterilization of tools and instruments used in medical research and pharmaceutical drug development.

Our standard chamber sizes include:

- 20" x 20" x 38"
- 26" x 26" x 39"
- 26" x 26" x 51"



MEDIUM STERILIZERS

Medium-sized sterilizers are also used in medical research and pharmaceutical drug development. Each of the medium-sized sterilizers has an automatic sliding door or a manually operated quarter-turn door with a secure interlock system.

Our standard chamber sizes include:

- 24" x 36" x 36"
- 24" x 36" x 48"
- 24" x 36" x 60"
- 26" x 36" x 48"
- 26" x 36" x 60"

**EASY QUARTER TURN
DOOR**





BULK STERILIZERS

These sterilizers are designed to maximize cage throughput in vivariums. All of our chambers are manufactured in the United States to ensure the highest level of quality to protect the research process.

Our standard chamber sizes include:

- 35" x 57" x 49"
- 35" x 57" x 60"
- 35" x 57" x 72"
- 35" x 57" x 86"
- 49" x 57" x 86"
- 49" x 86" x 86"
- 61" x 86" x 86"
- 72" x 86" x 86"



BETA CONNECT SYSTEM

Every new Beta Star Sterilizer is connectivity ready with the new Beta Connect System. Our new control system allows the user to observe and receive mobile updates on the cycles of every sterilizer for maximum efficiency. In addition, the system makes remote technical service possible through a 256-bit encryption that features a manual shut off switch for additional security.



REDUCE YOUR WATER FOOTPRINT

ENVIROVAC®

Beta Star sterilizers lead the market in energy and water conservation features which help facilities reduce their **water footprint**.

The EnviroVac® system is Beta Star's exclusive high performance, energy efficient, high vacuum system with water conservation features.

The EnviroVac® system has been designed to dramatically reduce water consumption, up to 75% compared to traditional vacuum systems, during normal operation.

Its performance is not affected by normal fluctuations in water temperature and supply pressure, thus providing a more reliable, energy efficient system.

The EnviroVac® provides more efficient air removal during the pre-conditioning phase. This allows for more effective steam penetration into porous loads, enhances drying capabilities and reduces cycle time.





R-V Industries, Inc. is a uniquely diversified engineering and manufacturing company with over 250 employees located in southeastern, PA. We specialize in manufacturing process equipment for various industries. In addition to our Beta Star steam sterilizers we manufacture products and systems for the chemical, food and beverage, fossil power plant, nuclear power/waste, oil and gas, and paper industries.

R-V was founded in 1974 by Ronald L. Putt and Victor D. Dodd. Our mission for over 40 years has been to supply superior products and services at a competitive price with integrity. We have a segregated stainless steel facility to ensure all Beta Star sterilizers are built with outstanding quality and purity. We are able to provide complete engineering and manufacturing services to ensure you receive a superior sterilizer.



R-V INDUSTRIES, INC., HONEY BROOK, PA

SERVICE GROUPS

Our sterilization systems are designed to require less maintenance than other sterilizers and are designed with non-proprietary components to drastically reduce industrial downtime and replacement costs. We are equipped with certified service personnel providing emergency service and routine maintenance to keep you running at full capacity.





SPECIALIZING IN STANDARD AND CUSTOM BUILT STEAM STERILIZATION EQUIPMENT

WWW.BETASTAR.COM

Beta Star Life Science Equipment

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