



# Laboratory Steam Sterilizers

STERILAB / STERIVAP / UNISTERI



**BMT USA. Pure Results.**



## Ensuring the Safety & Integrity of Laboratory Research

BMT USA understands the critical role of sterilization in preventing contamination to secure the integrity of your research and the safety of your staff.

Controlling laboratory conditions is critical to upholding the quality and validity of your research, as well as protecting the health and safety of your staff. You need reliable equipment to sterilize laboratory media and equipment, preventing contamination and ensuring the accuracy of your research. In addition, pathogens must be safely contained to prevent exposure to humans, animals, or the open environment. It is only after these criteria have been met that your research can be its most effective.

Placed in laboratories and healthcare facilities across the globe, BMT USA steam sterilizers are the preferred choice of researchers and laboratory professionals who expect the highest quality, reliability, and safety standards. Designed in accordance with Good Laboratory Practices and featuring fully insulated stainless steel chambers and piping systems, BMT USA Sterilab, Sterivap, and Unisteri steam sterilizers deliver consistent sterilization performance to meet your laboratory needs now and into the future.



# BMT USA Laboratory Steam Sterilizers

Engineered to exceed industry standards for quality, reliability and serviceability.

BMT USA laboratory steam sterilizers are designed for the sterilization of heat-resistant materials, including instruments, textiles, metal parts, rubber goods, liquids, agars, animal diet, and cages. With three sterilizer models available in small, medium, and bulk capacity, BMT USA can provide the right sterilization solution for small-scale laboratories up to the largest research facilities.

Extensive efforts have been made to offer features that enhance efficiency, reliability, and functionality, including fully insulated stainless steel chambers and piping systems, non-proprietary components, and sophisticated PLC or microprocessor control systems with large, intuitive touch screen interfaces. You can rest assured the engineering, construction and workmanship of each unit meets our exacting standards.



# Applications

BMT USA sterilizers are designed for general purpose steam sterilization in the following fields of laboratory research:

Application	Description	Special Requirements
General Laboratory	Heat-resistant materials, including instruments, textiles, metal parts, rubber goods, liquids & agars.	N/A
Animal Research	Sterilization of animal diet, bedding, and cages.	N/A
Food Production	Eliminating contaminants and microorganisms from food products packaging and process equipment.	N/A
BSL-3 	Sterilization of high-containment biohazardous waste.	Pass-through sterilizer with bioseal and effluent cycles.

## Configured to Your Exact Requirements

Flexible options for capacity, layout and functionality.

BMT USA laboratory sterilizers can be configured to meet your specific application, space, and layout requirements. Flexible options for size, service area access, and chamber capacity allow for perfect placement in your facility, while maintaining optimal loads – even in locations with space constraints. Additional options for single-door or pass-through models, floor or pit mounting, an integrated or standalone steam generator, and custom sterilization cycle recipes further enhance the functionality and versatility of each unit.

### BSL-3 Laboratories

All BMT USA sterilizers can be equipped with the necessary equipment and process cycles for the safe sterilization of bio-hazardous waste. A fully welded, stainless steel bioseal attached to the surrounding facility walls, provides an airtight seal, preventing biological contaminants from escaping into the non-containment room. A special clamped gasket is installed between the facility wall connection and the bioseal, allowing for vibration and expansion/contraction of the sterilizer without breaking the seal.

Effluent sterilization cycles and piping arrangements ensure all contents of the chamber, including any condensate, are sterilized prior to being drained.

# Sterilab

Fully configurable bulk-capacity steam sterilizers featuring a cGMP-ready design to meet your sterilization requirements now and tomorrow.

Sterilab sterilizers are designed to meet the rigorous requirements of Good Laboratory Practices while incorporating the ability to upgrade to cGMP features at any time during construction or in the field – lowering the initial investment while securing the long-term usability of the sterilizer should requirements change.

Constructed with all non-proprietary components and fully customizable to your exact specifications, the Sterilab provides greater flexibility than any competing sterilizer. Additional features, such as fully insulated 316L stainless steel chambers and piping, provide superior durability and ensures the Sterilab will be a dependable sterilization solution well into the future.

## Key Features:

- Fully custom chamber size, layout, steam generator options and more.
- All non-proprietary components.
- 316L stainless steel chamber, jacket and piping.
- Industrial-grade PLC control system.
- Lubricant-free door gaskets to prevent particle shedding and improve longevity.
- Automatic precision machined door(s).
- Stainless steel frame and insulation covers.

## Upgradeable cGMP Features:

- Stainless steel valves with sanitary connections.
- Temperature control within +/- 0.5°C.
- 0.2 micron filter in stainless steel housing.
- Automatic filter sterilization.
- Secondary temperature verification.
- Chamber condensate monitoring.

# All Non-Proprietary, Stainless Steel Construction

The Sterilab is equipped with a 316L stainless steel chamber and jacket. The chamber doors are also constructed of 316L stainless steel and precision machined for smooth operation during open and close. Lubricant-free door gaskets last longer and eliminate particle shedding into laboratories or clean rooms.

All piping and valves are also stainless steel with options for threaded, sanitary tri-clamp, or orbital welded connections. The piping is insulated and marked hot or cold for easy identification by maintenance personnel. Only Industrial grade, non-proprietary components are used for improved reliability and ease in replacement.

# Industrial-Grade PLC Controls

Secure, user-friendly control system for repeatable operation.

Sterilab sterilizers are equipped with industrial-grade Allen-Bradley or Siemens PLC control systems for the highest level of reliability and cycle repeatability. The control systems are developed under the latest GAMP guidelines for ease in validation and are supported with a comprehensive documentation package.

The control system can configure and store up to 50 sterilization cycles, which are accessed via a large touch screen operator interface and secured by multi-level user authentication. In pass-through units, an additional operator interface is mounted on the unload side of the sterilizer for cycle accept and pass-back functions as standard, with the option to upgrade to a PVP 1000 operator interface to enable full control on both ends.

If electronic data storage is desired, the control system can be provided with 21 CFR part 11 compliance when connected to a PC or central computer system.





# Sterivap

Robust design, the highest quality materials, and a range of 15 different chamber sizes ensure a safe and reliable sterilization solution with the flexibility to meet your exact requirements.

Sterivap sterilizers are designed for the sterilization of laboratory media and instruments across varying fields of research. Built with the highest quality materials and available in chamber capacities ranging from 148L up to 2020L, the Sterivap can be configured to your required specifications, while providing exceptional reliability and safety. A range of options including a 12" touch screen operator interface, <10 Ra mirror finish chamber, and a BSL-3 biocontainment seal, further enhance the Sterivap's functionality and flexibility.



## Key Features:

- Double microprocessor controls and instrumentation for safety and reliability.
- Chamber and doors constructed of 100% 316L stainless steel - jacket constructed of 316Ti.
- 304 stainless steel framework eliminates rust.
- Insulated stainless steel piping and brass valves.
- Equipped water recirculation system reduces water consumption by up to 75%.
- 8.4" color touch screen operator interface (12" screen option available).
- Hinged fascia panels with key lock for ease in maintenance access.
- Highly efficient mechanical vacuum pump for air removal.
- 21 CFR part 11 compliance for secure electronic data storage available when optioned with printer archive software.

# Double Microprocessor Controls

Self-monitoring, redundant control system for unmatched safety, security, and process accuracy.

The heart of the Sterivap control system is the double microprocessor that independently monitors itself to continuously evaluate, control, and document process data to ensure the accuracy of operation cycles. Dual temperature and pressure sensors provide precise control of temperature, pressure, and vacuum inside the chamber. An Ethernet port for connection to a PC or network is also standard equipped and available with a SD memory card for cycle data storage.

The control system can configure and store up to 20 programmable cycles, which are accessed via the standard equipped 8.4" touch screen operator interface – upgradeable to a 12" tilting touch screen for greater comfort and ease of operation. For pass-through models, an additional LED display can be mounted on the unload side. All cycle parameters and calibration are password protected from unauthorized user access compliant with 21 CFR, Part 11.



## Energy Efficient Design

Energy saving features, such as a fully insulated chamber and piping help reduce utility consumption and minimize the Sterivap's environmental impact. The built-in water recirculation system and feedwater vacuum pump reduces water consumption by up to 75% and can save approximately 15% on operating costs. The construction of the steam generator with automatic demineralization delivers consistently high quality steam, preventing mineral build-up inside the piping and ensuring the sterilizer operates efficiently. High quality, recyclable materials utilized in the construction of the Sterivap prolongs the sterilizer's service life, while reducing waste.

# Unisteri

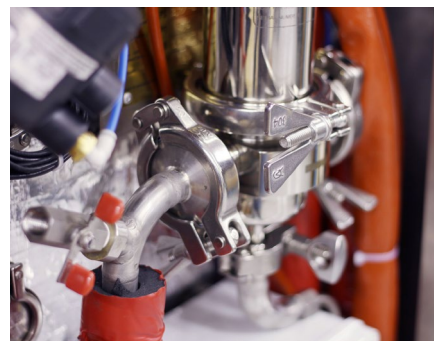
Multi-purpose laboratory steam sterilizers with a compact footprint to optimize space and maximize value.



Unisteri sterilizers are available in 73L, 160L, and 254L chamber sizes and feature a compact footprint designed to help optimize the available floorspace in your laboratory. A wide array of options, including single or double-door pass-through chambers, recessed wall mounting, EN285 compliant air detectors, and effluent sterilization cycles allow for configuring the Unisteri to your needs. Cost saving features, such as copper piping and brass valves position the Unisteri as an exceptional value while maintaining the same high quality and performance standards expected from every BMT USA sterilizer.

## Key Features:

- Double microprocessor controls and instrumentation for safety and reliability.
- 316L stainless steel chamber and 316Ti jacket for corrosion free operation.
- Automatic motor driven door locking system with double pressure sensors ensure the chamber is equalized to atmosphere before the door(s) can be unlocked.
- Copper piping with brass valves - upgradeable to all stainless steel.
- Equipped water recirculation system reduces water consumption by up to 75%.
- 8.4" color touch screen operator interface.
- Space saving design requires less floorspace.
- Option for integrated stainless steel clean steam generator.
- 21 CFR part 11 compliance for secure electronic data storage available when optioned with printer archive software.



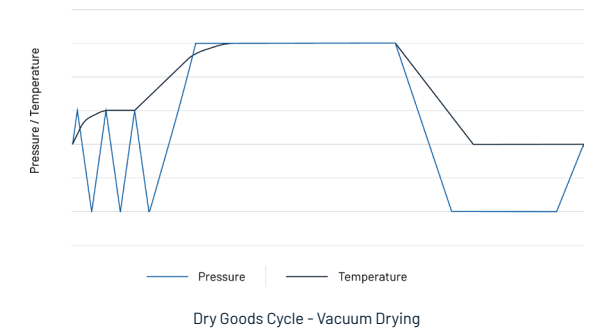
# Sterilization Cycles

All BMT USA laboratory sterilizers can be programmed with a combination of sterilization cycles – with configurable parameters for each cycle phase – based on the type of load to be sterilized and the most efficient method of air removal for effective sterilization. The programmed cycle recipes are stored in the control system memory and can easily be recalled and started with the touch of a button on the operator interface. All recipes are protected from unauthorized changes via a multi-level authentication system.

## Dry Goods Cycles - Vacuum Air Removal

Saturated steam process sterilizing at temperatures between 110°C up to 135°C provides effective sterilization of hard goods, filters, linens, porous materials, rubber stoppers, hoses, wrapped goods, and materials unaffected by vacuum.

Drying of the load is accomplished by fast exhaust and pulling a deep vacuum to remove moisture. Optionally, pressure pulses can be added to the end of the cycle, improving steam penetration for loads where trapped moisture can be difficult to remove. The air can also be heated to further aid in drying.

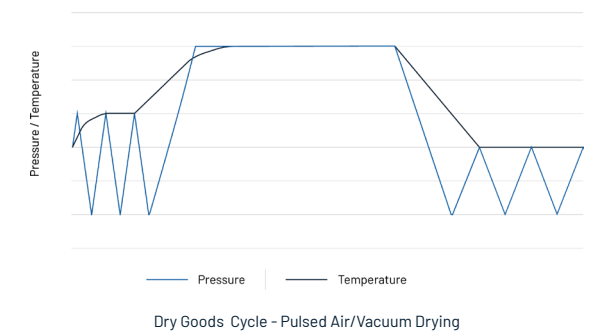


## Solution Cycles - Gravity Air Removal & Air Overpressure/Jacket Water Cooling

Solution cycles are used for effectively sterilizing liquids in sealed, open or vented containers.

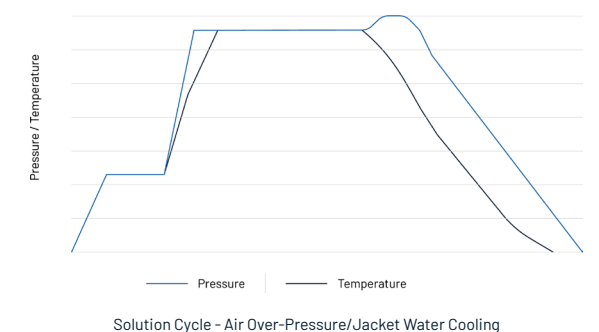
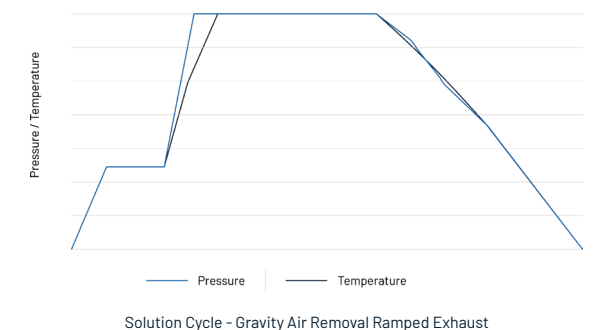
For open liquids, the load is preconditioned utilizing steam pulses. The cycle then heats to an exposure temperature of 110°C up to 135°C. After the exposure time is completed, exhaust ramping gradually cools the load.

For sealed liquids, cooling begins by injecting air at a pressure similar to that of the load to avoid breakage of the container. Cold water is then added to the chamber jacket to cool the load at a faster rate.



## Effluent Sterilization Cycles

Effluent sterilization cycles are necessary for BSL-3 laboratory applications. During effluent sterilization cycles, all steam effluent is captured, filtered, and sterilized prior to being drained out the chamber, ensuring laboratory staff and the environment are protected from contamination.





# Clean Steam Generators

Fully integrated or stand-alone steam source for safe and effective steam sterilization.

BMT USA clean steam generators produce steam that is free of additives, impurities and other substances. The steam generators are fully constructed of 316L stainless steel and utilize all non-proprietary components, including industrial-grade Allen-Bradley or Siemens PLC control systems. Each generator can be configured as a central steam source for multiple sterilizers or directly built-in to a sterilizer for a fully integrated solution. Available in electric and plant steam heated models with capacities ranging from 50lbs/hr up to 5000lbs/hr (25kg/hr to 2500kg/hr).



## Electrically Heated

Electric clean steam pressure control within +/- 2 psig of the set point. The generators utilize 316L stainless steel heating elements with 3-phase voltage to provide fast heating and recovery times. The units are also equipped with an automatic blow-down system that carries impurities to drain. Feed water booster pumps are available when feed water pressure is not available at required pressures.

## Electric Vertically Integrated

BMT USA is one of the only manufacturers offering both horizontal or vertically mounted electric steam generators integrated directly into a sterilizer for a minimized footprint.

## Plant Steam Heated

Steam-to-steam generators utilize plant steam as the heating source to produce pure or clean steam. The shell and tube heat exchanger is made from 316L stainless steel and can be built in single-tube-sheet or double-tube-sheet construction. The evaporator utilizes a wetted design to minimize the temperature difference between the feed water and the heating steam, which results in less stress on the evaporator tube sheet. Available in almost any capacity up to 5000lbs/hr (2500kg/hr).



BMT USA Laboratory Steam Sterilizers

# Loading Equipment

BMT USA manufactures stainless steel loading equipment in standard or custom designs for any type of load. Smaller chamber sizes can be equipped with 316L stainless steel wire or perforated chamber shelves, loading racks or boxes in configurations that best suits the loads to be sterilized and maximize the capacity of the sterilizer.

Larger chambers can be equipped with 316L stainless steel loading carts with height adjustable shelves and 304 stainless steel transfer trolleys. For pit-mounted units, non-marking wheels are used and either tracks or rub rails for almost any type of wheel arrangement can be installed inside the sterilizer chamber. Carts with drop down wheels are available for rooms with limited space.



## Validation Flange

BMT USA's validation flange allows for individually sealing each thermocouple lead wire. By individually sealing the wires, significantly less time is required to replace installed wires in the event of a single thermocouple failure. The seals of surrounding thermocouples are also undisturbed during thermocouple replacement. BMT USA's validation flange is available for 16, 24 or 32 load probes and can be attached to 1/2" or 2" tri-clamp validation ports (custom sizes available upon request).

# Committed to supporting our clients at every stage

We recognize the important role our equipment plays in your Laboratory. Therefore we are committed to providing the highest quality equipment that is backed up with excellent customer service and support. Whether you opt for an annual service plan or require emergency service, our team of highly trained field-service technicians will always have you covered.

## Installation Supervision

Eliminates installation errors.

## Start-up

On-site optimization of equipment performance.

## Training

Proper equipment operation and ease of use.

## Calibration

Accurate and reliable instrumentation.

## Validation

Expert knowledge for accurate validation.

## Preventative Maintenance

Reduce or eliminate downtime.

## Emergency Service

On-site or remote service to restart operations as quickly as possible.

BMT USA Laboratory Steam Sterilizers

# Examples of Sterilab Chamber Sizes

Sterilab sterilizers are offered in almost any chamber size and volume. The table below contains examples of our standard sizes; however, **custom sizes are available upon request to meet your exact requirements.**

Models	Internal Chamber Dimensions (w x h x d)	Overall Unit Dimensions (w x h x d)	Chamber Volume	Door Slide Direction	Unit Mounting	Weight
202038	20" x 20" x 38" 508 x 508 x 965 mm	60" x 74" x 50" 1270 x 1880 x 1270 mm	8.8 ft <sup>3</sup> 0.24 m <sup>3</sup>	Vertical	Floor	1,485 lbs 674 kg
262639	26" x 26" x 39" 660 x 660 x 990 mm	66" x 80" x 51" 1423 x 2032 x 1296 mm	15.8 ft <sup>3</sup> 0.44 m <sup>3</sup>	Vertical	Floor	2,600 lbs 1,179 kg
262649	26" x 26" x 49" 660 x 660 x 1245 mm	66" x 80" x 61" 1320 x 2032 x 1541 mm	19 ft <sup>3</sup> 0.54 m <sup>3</sup>	Vertical	Floor	2,985 lbs 1,354 kg
263639	26" x 36" x 39" 660 x 915 x 990 mm	100" x 80" x 51" 2540 x 2032 x 1296 mm	21 ft <sup>3</sup> 0.59 m <sup>3</sup>	Horizontal	Floor	3,400 lbs 1,542 kg
263648	26" x 36" x 48" 660 x 915 x 1220 mm	100" x 80" x 60" 2540 x 2032 x 1524 mm	25.9 ft <sup>3</sup> 0.73 m <sup>3</sup>	Horizontal	Floor	4,500 lbs 2,041 kg
263660	26" x 36" x 60" 660 x 915 x 1524 mm	100" x 96" x 72" 2540 x 2438 x 1829 mm	32.5 ft <sup>3</sup> 0.92 m <sup>3</sup>	Horizontal	Floor	5,200 lbs 2,360 kg
363648	36" x 36" x 48" 915 x 915 x 1220 mm	128" x 96" x 60" 3251 x 2438 x 1524 mm	36 ft <sup>3</sup> 1.02 m <sup>3</sup>	Horizontal	Floor	6,500 lbs 2,950 kg
363660	36" x 36" x 60" 915 x 915 x 1524 mm	128" x 96" x 72" 3251 x 2438 x 1829 mm	45 ft <sup>3</sup> 1.27 m <sup>3</sup>	Horizontal	Floor	6,900 lbs 3,130 kg
375760	37" x 57" x 60" 940 x 1448 x 1524 mm	129" x 114" x 72" 3277 x 2896 x 1829 mm	73.2 ft <sup>3</sup> 2.07 m <sup>3</sup>	Horizontal	Floor	7,200 lbs 3,260 kg
375786	37" x 57" x 86" 940 x 1448 x 2184 mm	129" x 114" x 98" 3276 x 2896 x 2489 mm	102.4 ft <sup>3</sup> 2.9 m <sup>3</sup>	Horizontal	Floor or Pit	8,700 lbs 3,950 kg
484860	48" x 48" x 60" 1219 x 1219 x 1524 mm	148" x 96" x 72" 3759 x 2438 x 1829 mm	80 ft <sup>3</sup> 2.26 m <sup>3</sup>	Horizontal	Floor or Pit	10,500 lbs 4,760 kg
484872	48" x 48" x 72" 1219 x 1219 x 1829 mm	148" x 96" x 84" 3759 x 2438 x 2133 mm	96 ft <sup>3</sup> 2.72 m <sup>3</sup>	Horizontal	Floor or Pit	11,500 lbs 5,220 kg
484886	48" x 48" x 86" 1219 x 1219 x 2184 mm	148" x 96" x 98" 3759 x 96 x 2489 mm	114.5 ft <sup>3</sup> 3.24 m <sup>3</sup>	Horizontal	Floor or Pit	12,500 lbs 5,670 kg
495748	49" x 57" x 48" 1219 x 1448 x 1219 mm	148" x 114" x 60" 3759 x 2896 x 1524 mm	77.5 ft <sup>3</sup> 2.19 m <sup>3</sup>	Horizontal	Floor or Pit	9,500 lbs 4,300 kg
495760	49" x 57" x 60" 1219 x 1448 x 1524 mm	148" x 114" x 72" 3759 x 2896 x 1829 mm	96.9 ft <sup>3</sup> 2.74 m <sup>3</sup>	Horizontal	Floor or Pit	10,500 lbs 4,760 kg
495772	49" x 57" x 72" 1219 x 1448 x 1829 mm	148" x 114" x 84" 3759 x 2896 x 2133 mm	116.3 ft <sup>3</sup> 3.29 m <sup>3</sup>	Horizontal	Floor or Pit	12,000 lbs 5,443 kg
495786	49" x 57" x 86" 1219 x 1448 x 2184 mm	148" x 114" x 98" 3759 x 2896 x 2489 mm	138.8 ft <sup>3</sup> 3.84 m <sup>3</sup>	Horizontal	Floor or Pit	13,000 lbs 5,897 kg
495796	49" x 57" x 96" 1219 x 1448 x 2438 mm	148" x 114" x 110" 3759 x 2896 x 2794 mm	155 ft <sup>3</sup> 4.39 m <sup>3</sup>	Horizontal	Floor or Pit	14,000 lbs 6,350 kg
488660	48" x 86" x 60" 1219 x 2184 x 1524 mm	148" x 133" x 72" 3759 x 3378 x 1829 mm	143 ft <sup>3</sup> 4.05 m <sup>3</sup>	Horizontal	Floor or Pit	15,000 lbs 6,804 kg
488686	48" x 86" x 86" 1219 x 2184 x 2184 mm	148" x 133" x 98" 3759 x 3378 x 2489 mm	205 ft <sup>3</sup> 5.8 m <sup>3</sup>	Horizontal	Floor or Pit	16,000 lbs 7,258 kg
548686	54" x 86" x 86" 1371 x 2184 x 2184 mm	166" x 133" x 98" 4217 x 3378 x 2489 mm	230.7 ft <sup>3</sup> 6.5 m <sup>3</sup>	Horizontal	Floor or Pit	17,000 lbs 7,711 kg



# Sterivap Chamber Sizes

Models <small>single-door version / pass-through version</small>	Internal Chamber Dimensions (w x h x d)	Overall Unit Dimensions (w x h x d)	Chamber Volume	Door Slide Direction
446-1 / -2	17.7" x 18.9" x 27.6" 450 x 480 x 700 mm	47.2" x 75.5" x 38.2" / 39" 1200 x 1918 x 970 mm / 990mm	5.23 ft <sup>3</sup> 148 L	Vertical
636-1 / -2	13.8" x 26.4" x 27.6" 350 x 670 x 700 mm	39.4" x 75.5" x 38.2" / 39" 1000 x 1918 x 970 mm / 990 mm	5.65 ft <sup>3</sup> 160 L	Vertical
559-1 / -2	20" x 20" x 39" 509 x 509 x 990 mm	47.2" x 75.5" x 50" / 50.8" 1200 x 1930 x 1270 mm / 1290 mm	8.47 ft <sup>3</sup> 240 L	Vertical
666-1 / -2	25.6" x 27.6" x 27.2" 650 x 700 x 690 mm	51.2" x 75.5" x 38.2" / 39" 1300 x 1918 x 970 mm / 990 mm	11.09 ft <sup>3</sup> 314 L	Vertical
669-1 / -2	25.6" x 27.6" x 39" 650 x 700 x 990 mm	51.2" x 75.5" x 50" / 50.8" 1300 x 1918 x 1270 mm / 1290 mm	16 ft <sup>3</sup> 453 L	Vertical
6612-1 / -2	25.6" x 27.6" x 52.8" 650 x 700 x 1340 mm	51.2" x 75.5" x 63.8" / 64.6" 1300 x 1918 x 1620 mm / 1640 mm	21.54 ft <sup>3</sup> 610 L	Vertical
6615-1 / -2	25.6" x 27.6" x 64.6" 650 x 700 x 1640 mm	51.2" x 75.5" x 75.6" / 76.4" 1300 x 1918 x 1920 mm / 1940 mm	26.42 ft <sup>3</sup> 748 L	Vertical
6618-1 / -2	25.6" x 27.6" x 76.4" 650 x 700 x 1940 mm	51.2" x 75.5" x 87.4" / 88.2" 1300 x 1918 x 2220 mm / 2240 mm	31.25 ft <sup>3</sup> 885 L	Vertical
969-1 / -2	25.6" x 39.4" x 39" 650 x 1000 x 990 mm	74.8" x 75.5" x 50" / 50.8" 1900 x 1918 x 1270 mm / 1290 mm	21.3 ft <sup>3</sup> 650 L	Horizontal
9612-1 / -2	25.6" x 39.4" x 52.8" 650 x 1000 x 1340 mm	74.8" x 75.5" x 63.8" / 64.6" 1900 x 1918 x 1620 mm / 1640 mm	30.65 ft <sup>3</sup> 868 L	Horizontal
9615-1 / -2	25.6" x 39.4" x 64.6" 650 x 1000 x 1640 mm	74.8" x 75.5" x 75.6" / 76.4" 1900 x 1918 x 1920 mm / 1940 mm	34.9 ft <sup>3</sup> 1064 L	Horizontal
9618-1 / -2	25.6" x 39.4" x 76.4" 650 x 1000 x 1940 mm	74.8" x 75.5" x 87.4" / 88.2" 1900 x 1918 x 2220 mm / 2240 mm	44.5 ft <sup>3</sup> 1260 L	Horizontal
9621 <small>(2-door pass-through version only)</small>	25.6" x 39.4" x 90.6" 650 x 1000 x 2300 mm	74.8" x 75.5" x 102.4" 1900 x 1918 x 2600mm	52.61 ft <sup>3</sup> 1490 L	Horizontal
12612-1 / -2	25.6" x 53.5" x 52.8" 650 x 1360 x 1340 mm	78.7" x 86.6" x 64.6" / 65.4" 2000 x 2200 x 1640 mm / 1660 mm	41.74 ft <sup>3</sup> 1182 L	Horizontal
12622 <small>(2-door pass-through version only)</small>	25.6" x 53.5" x 90.6" 650 x 1360 x 2300 mm	78.7" x 86.6" x 103.2" 2000 x 2200 x 2620 mm	71.34 ft <sup>3</sup> 2020 L	Horizontal

# Unisteri Chamber Sizes

Models <small>single-door version / pass-through version</small>	Internal Chamber Dimensions (w x h x d)	Overall Unit Dimensions (w x h x d) <small>(pass-through version)</small>	Chamber Volume
336-1 / -2	12.5" x 12.5" x 24.6" 320 x 320 x 625 mm	23.6" x 59" x 31.6" / 33.8" 600 x 1500 x 805 mm / 860mm	2.6 ft <sup>3</sup> 73 L
636-1 / -2	13.8" x 26.4" x 27.6" 350 x 670 x 700 mm	27.2" x 67.7" x 38" / 40" 690 x 1720 x 965 mm / 1020mm	5.65 ft <sup>3</sup> 160 L
559-1 / -2	20" x 20" x 38" 509 x 509 x 965 mm	33.5" x 67.7" x 49.4" / 51.5" 850 x 1720 x 1255 mm / 1310mm	8.97 ft <sup>3</sup> 254 L



## **BMT USA Equipment:**

cGMP Steam & Terminal Sterilizers

Pure & Clean Steam Generators

Class 5 & 7 Depyrogenation Ovens

cGMP Washers

Laboratory Steam Sterilizers

Laboratory Washers

Laboratory Ovens

Laboratory Incubators

Climate & Stability Test Chambers



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