

MST-V 600 Series Vertical Steam Sterilizer

Product Description

The MST-V 600 Series line of steam sterilizers are designed for efficiency and superior workflow. An advanced vacuum pump and cooling system ensures minimal water consumption. With no side or rear access required for servicing the MST-V 600 minimizes footprint while maximizing throughput.

Application

For general purpose steam sterilization of unwrapped equipment, wrapped instruments and utensils, glassware, and stainless-steel components in vented or unsealed containers.

Models & Dimensions

Model	Chamber Dimensions H x W x D (inches)	Chamber Volume (L)	Outer Dimensions* H x W x D (inches)
606	26 x 26 x 27.5	305	77.5 x 39 x 43
609	26 x 26 x 39	436	77.5 x 39 x 55
6012	26 x 26 x 53	588	77.5 x 39 x 69

* Use Belimed's cut sheet for final dimensions.



Configuration & Options

Door Selections

- Single Door (VS1)
- Double Door (VS2)

Installation Type

- Recessed
- Standalone
- Inset

Options

- House Steam Connection
- Integrated or External - Electric Boiler, 480V 60 Hz to convert RO/DI water to contaminate free steam (Clean Steam).
- External - Steam to Steam Heat Exchanger - standalone unit designed to utilize steam provided by the facility to convert RO/DI water to contaminate free steam (Clean Steam).
- Chilled Water Connection
- Foot Pedal for Door Operation (606 and 609 models only)
- Pull out shelves (606 and 609 models only)
- Transport system with Automatic Load/unload - allows the rack to be removed from the sterilizer once the cycle is complete without staff supervision.

Accessories

- Transport Cart
- Loading Rack
- Seismic Anchoring Kit

Standards

- American Society of Mechanical Engineers (ASME) Certification Mark with "U" designator
- ANSI/AAMI ST8:2013 Hospital steam sterilizers
- ASME Section VIII, Division 1 for unfired pressure vessels
- FDA Class II medical device
- IEC EN 60601-1-2
- IEC 61010-2-040
- IEC 62304 Ed.1.0
- UL 61010-1
- UL 61010-2-041
- 21 CFR 820 Quality System Regulation



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Standard Features

Construction / Design

Chamber – Stainless steel construction, type 316L.

Doors – Vertically sliding or (optional) foot pedal operated stainless steel door. Safety mechanism stops door movement in the event of an obstruction.

Door Seal – Silicone seal compresses against closed door during operation and is retracted upon completion.

Mechanical Vacuum Pump – Liquid ring Pump provides vacuum necessary for the conditioning (prevac) and drying phases of the cycle.

Valves – Pneumatic control valves used for precise control of steam flow in and out of the chamber and jacket.

Jacket – Stainless steel, type 316L.

Drain Tempering – Condensate is cooled to below 140°F (60°C) before being discharged.

Control System – PLC.

Printer – Built in thermal printer.



Capacities

Model	Chamber Capacity (25-lbs Tray Quantity)
606	6
609	9
6012	12

Options

Steam to Steam Heat Exchanger – standalone unit designed to utilize steam provided by the facility to convert RO/DI water to contaminate free steam (Clean Steam).

Chilled Water Connection – The sterilizer can be connected to a chilled water system to minimize potable water use.

Cycle Description

- PreVac 270 4S/30D
- PreVac 270 4S/5D
- PreVac IUSS 270 3S/1D
- PreVac IUSS 270 4S/1D
- Gravity 270 15S/30D
- Gravity 270 3S/1D
- Gravity 270 10S/1D
- Bowie Dick Test
- Leak test
- Warm up & Leak Test

Belimed Prevent™ Preventative Maintenance and Service

Belimed recommends regular preventative maintenance to ensure proper operation of the equipment. Belimed maintains a nationwide, factory trained Service Technician Group which can perform this maintenance and/or train Biomedical staff on the proper procedure.

Package Options:

- **ECO:** Annual preventative maintenance (PM)
- **Standard:** Cycle-based PMs
- **Premium:** Cycle-Based PMs and full-service repairs

Additional Maintenance Offerings:

- Sterilizer Chamber Cleaning
- Water Quality Analysis Check
- Training and Maintenance Certification Programs
- Equipment Wellness Check
- Software Services

Contact Belimed Technical Service for more details.

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Engineers of Confidence.