

# MST V 600 Series Vertical Steam Sterilizer Product Description

## 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 steam sterilization of non-porous and porous heat and moisture stable materials used in healthcare facilities.

## Models & Dimensions

Model	Chamber Size w x h x d (mm)	Chamber Volume (L)	Dimensions w x h x d (mm)
606	660 x 660 x 700	305	990 x 1970 x 1095
609	660 x 660 x 1000	436	990 x 1970 x 1395
6012	660 x 660 x 1350	588	990 X 1970 X 1775

## Configurations & Options

### Door Selections

- Single Door, VS1
- Double Door, VS2

### Service Side:

- Front panel

### Installation Type

- Standalone
- Recessed
- Inset

## Options

- Integrated Steam Generator (Boiler)
- Foot Pedal for Door Operation
- Chilled Water Connection
- Steam to Steam Heat Exchanger (external)
- Pull out shelves (606 and 609 only)

## Accessories

- Transport Cart
- Loading Rack
- Seismic Anchoring Kit

## Standards:

UL61010-1                      ASME Section VIII                      AAMI ST-8  
UL61010A-2-041              IEC 60601-1

## Standard Features

### Construction / Design

**Chamber** - Stainless steel, type 316L.

**Door** – Vertically sliding, powered, stainless steel. The motor includes a safety clutch which will stop the door if an obstruction is encountered.

**Door Seal** – A precision milled stainless steel channel in the front of the chamber holds the round, silicone seal. The seal is activated, after door closure, by compressed air and is retracted using a vacuum created by the vacuum pump.

# MST V 600 Series Vertical Steam Sterilizer Product Description

**Mechanical Vacuum Pump** – An efficient, liquid ring vacuum pump provides vacuum necessary for conditioning (prevac) and drying portions of cycle.

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

**Drain Tempering** – Condensate is cooled below 140°F (60° C).

**Control System** – PLC based controls.

**Printer** – Built in thermal printer.

## Capacities

Model	Instrument Trays, Max 25 lbs. each
606	6
609	9
6012	12

## Options

**Integrated Steam Boiler** – An electric boiler can be installed in the top area of the sterilizer to provide contaminate free steam (Clean Steam). The boiler requires RO/DI water to provide contaminate free steam.

**Foot Pedal** – Provides a hands-off method to open the vertically sliding door.

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

**Shelves** – Pull out shelves can be installed (606 and 609 only).

## Cycle Description:

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

## Installation

- Standalone cabinet - Matching stainless enclosures, fabricated to enclose the sterilizer.
- Recess – Trim kit provided to closeout gap between wall and sterilizer.

## Preventive Maintenance

Belimed recommends regular preventive 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. Belimed also offers a number of PM Plans.

Contact Belimed Technical Service for more details.