Class B Autoclave - Benchtop Vacuum Steam Sterilizer - 18/23 L - 134°C

Model **MSSTB-B18BSWISS, MSSTB-B23BSWISS** | Brand **Master Science**





The Master Science Class B Autoclave is a benchtop vacuum steam sterilizer that removes air from the chamber with three pre-vacuum pulses before sterilization begins. This allows wrapped and unwrapped loads, porous materials and hollow instruments to be sterilized reliably.

KEY HIGHLIGHTS

- Sterilizes complex loads
- Verified cycles
- Dry instruments
- Records on paper
- Plug-and-play setup

AT A GLANCE

0.25 MPa / 139 °C DESIGN PRESSURE / TEMPERATURE	**±1 °C** TEMPERATURE ACCURACY
0.22 MPa / 134 °C WORKING PRESSURE / TEMPERATURE	**Ø250 × 360 mm (18 L); Ø250 × 450 mm (23 L)** CHAMBER SIZE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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www.themsci.com

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Overview

Designed for dental, medical, veterinary, podiatry and tattoo clinics as well as laboratories, it offers BD, Helix and vacuum test programs, an adjustable drying phase and a built-in printer for cycle records.

Key Benefits

Sterilizes complex loads
vacuum air removal lets steam reach inside wrapped packs and hollow instruments.

Verified cycles
the Master Science Class B Autoclave runs BD, Helix and vacuum tests.

Dry instruments
an adjustable drying phase up to 240 minutes leaves loads ready for storage.

Records on paper
the built-in printer documents each cycle.

Plug-and-play setup
built-in steam generator and top-fill water tank need no plumbing.

For large-volume lab sterilization, see the Master Science vertical Class N autoclave.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSSTB-B18BSWISS, MSSTB-B23BSWISS
SKU	MSSTB-B18BSWISS, MSSTB-B23BSWISS
Models and Volume	MSSTB-B18BSWISS 18 L; MSSTB-B23BSWISS 23 L
Standard	European Class B
Design Pressure / Temperature	0.25 MPa / 139 °C
Working Pressure / Temperature	0.22 MPa / 134 °C
Temperature Accuracy	**±1 °C**
Sterilization Temperature	116 to 134 °C
Sterilization Time	4 to 120 min
Drying Time	0 to 240 min
Air Removal	Three pre-vacuum pulses
Test Programs	BD test, Helix test, vacuum leak test
Steam	Built-in steam generator; open top water tank
Safety	Door lock; over-temperature, over-pressure, low-water and dry-burn protection

POWER

Power	2.2 kW
Power Supply	AC 220/110 V, 50/60 Hz

DIMENSIONS & WEIGHT

Chamber Size	Ø250 × 360 mm (18 L); Ø250 × 450 mm (23 L)
Outer Dimensions	475 × 600 × 445 mm (18 L); 475 × 680 × 445 mm (23 L)
Gross Weight	60 kg (18 L); 63 kg (23 L)

DISPLAY & DATA

Display	LCD with touch keys
Printer	Built-in

COMMON PROBLEMS AND HOW THIS AUTOCLAVE HELPS

Common Problems and How This Autoclave Helps	How the Master Science Class B Autoclave solves common sterilization problems:
Hollow instruments not sterilized by gravity cycles	vacuum pulses remove trapped air.
Wet packs after the cycle	the drying phase removes moisture.
No proof of sterilization	tests and printed records provide documentation.
Complex installation	built-in steam generator simplifies setup.
Operator safety concerns	the interlocked door prevents opening under pressure.

The Master Science Class B Autoclave is used in

- **Dental clinics and laboratories**
- **Medical and surgical instrument reprocessing**
- **Veterinary practices**
- **Podiatry, beauty and tattoo studios**
- **Research and microbiology labs**

Sterilization

- Three pre-vacuum pulses
- 116 to 134 °C programs
- Adjustable drying

Testing and Records

- BD, Helix and vacuum test programs
- Standard test port
- Built-in printer

Safety

- Door safety lock
- Over-temperature and over-pressure protection
- Low-water and anti-dry-burn protection