Cassette Autoclave - Compact Fast Steam Sterilizer - 5.2 L Cassette - 115-135°C, 9 Min Cycle

Model **MSSTC-5000SWISS** | Brand **Master Science**





For clinics that only need a few instruments at a time, the Master Science 5.2 L Cassette Autoclave offers a much faster alternative to a chamber autoclave. Instruments are loaded into a sealed cassette with a 380 × 180 × 78 mm sterilization space, and an unwrapped cycle is completed in roughly 9 minutes.

KEY HIGHLIGHTS

- Quick instrument return
- Suitable for lumens
- Operator control
- Self-monitoring
- Need a longer cassette? See the 6 L cassette autoclave.

AT A GLANCE

115 to 135°C (max. 138°C) OPERATING TEMPERATURE	**380 × 180 × 78 mm** CHAMBER SIZE
0.1°C DISPLAY ACCURACY	**About 5.2 L** STERILIZATION VOLUME

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support@themsci.com
www.themsci.com

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Overview

The unit handles hollow instruments with cavities as well as solid ones. Cycle progress appears on the screen, the programme can be stopped safely whenever needed, and built-in self-detection shuts the Master Science 5.2 L Cassette Autoclave down and reports a fault code if anything goes wrong.

Waiting for a full autoclave cycle slows down treatment. The Master Science 5.2 L Cassette Autoclave helps with:

Key Benefits

Quick instrument return
Around 9 minutes per unwrapped cycle keeps instruments in circulation.

Suitable for lumens
Designed for cavity-containing and solid instruments alike.

Operator control
Cycles can be stopped safely at any time.

Self-monitoring
Automatic stop with on-screen fault codes.

Need a longer cassette? See the 6 L cassette autoclave.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSSTC-5000SWISS
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Sterilization Volume	About 5.2 L
Cycle Time	About 9 minutes, unwrapped
Operating Pressure	42 to 212 kPa (max. 242 kPa)
Safety Valve	Set at 0.25 MPa
Water Tank	3.4 L
Water Quality	Distilled, deionized, purified or ultra-pure water
Duty	Intermittent, up to 6 cycles per hour
Operating Temperature	115 to 135°C (max. 138°C)
Display Accuracy	**0.1°C**

POWER	
Steam Generator Power	1.2 kVA ±5%
Input Power	≤ 1.3 kVA
Power Supply	AC 220 V ±22 V, 50 Hz ±1 Hz

DIMENSIONS & WEIGHT	
Equipment Size	580 × 460 × 190 mm
Chamber Size	380 × 180 × 78 mm
Cassette Size (outside)	480 × 196 × 80 mm

PROBLEMS THE MASTER SCIENCE 5.2 L CASSETTE AUTOCLAVE SOLVES	
Instruments tied up for too long	Short cycles return instruments to use quickly.
Sterilizing hollow tools	Designed to handle instruments with cavities.
Interrupted workflows	A programme can be safely stopped when priorities change.
Hidden faults	Self-detection reports problems immediately with a code.

Applications

The Master Science 5.2 L Cassette Autoclave is designed for
Dental surgeries with high instrument turnover Emergency rooms and treatment units Small surgical and ophthalmic clinics Departments sharing instrument sets Veterinary and podiatry clinics

Cassette System

- Removable sterilization cassette
- Chamber 380 × 180 × 78 mm
- Non-wrapped cycle in about 9 minutes

Control

- Screen display of operating status
- Safe interruption of any programme
- Intermittent operation up to 6 cycles per hour

Safety

- Self-detection with automatic shutdown
- Fault code display
- Safety valve at 0.25 MPa

Standard Accessories Included

- Cassette autoclave main unit
- Sterilization cassette