Cassette Autoclave - Rapid Instrument Steam Sterilizer - 6 L Cassette - 9 Minute Unwrapped Cycle

Model **MSSTC-6000SWISS** | Brand **Master Science**





The Master Science 6 L Cassette Autoclave is a fast steam sterilizer that processes instruments inside a removable cassette instead of a large chamber. An unwrapped cycle takes about 9 minutes from start to finish, which makes it useful for departments that share equipment and for urgent instrument turnaround.

KEY HIGHLIGHTS

- Very short cycle
- Handles hollow instruments
- Safe interruption
- Clear diagnostics

AT A GLANCE

115 to 135°C OPERATING TEMPERATURE RANGE	**42 to 212 kPa** OPERATING PRESSURE RANGE
480 × 180 × 78 mm CHAMBER SIZE	**0.1°C** DISPLAY ACCURACY

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

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Overview

It sterilizes both solid instruments and instruments with cavities. Operation is shown on the display, a cycle can be interrupted safely at any time, and a self-check system stops the Master Science 6 L Cassette Autoclave and displays a fault code if a problem occurs.

Large autoclaves are slow when only a few instruments are needed urgently. The Master Science 6 L Cassette Autoclave helps with:

Key Benefits

Very short cycle
Unwrapped instruments are sterilized in about 9 minutes.

Handles hollow instruments
Suitable for cavity-containing as well as solid instruments.

Safe interruption
A running programme can be stopped safely at any point.

Clear diagnostics
Self-detection halts the unit and shows a fault code on screen.

For wrapped loads and larger batches, see our Class B benchtop autoclave.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSSTC-6000SWISS
SKU	MSSTC-6000SWISS
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Sterilization Volume	About 6.0 L
Cycle Time	About 9 minutes (unwrapped)
Operating Pressure Range	**42 to 212 kPa**
Maximum Operating Pressure	242 kPa
Safety Valve Setting	0.25 MPa
Water Tank Volume	3.4 L
Water Type	Ultra-pure, deionized, distilled or purified laboratory water
Run Mode	Intermittent, up to 6 cycles per hour
Display Accuracy	**0.1°C**

ENVIRONMENT	
Operating Temperature Range	**115 to 135°C**
Maximum Operating Temperature	138°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	480 × 180 × 78 mm
Cassette Size (outside)	570 × 210 × 80 mm

PROBLEMS THE MASTER SCIENCE 6 L CASSETTE AUTOCLAVE SOLVES	
Long waits for critical instruments	A 9-minute unwrapped cycle returns instruments quickly.
Hard-to-reach cavities	The process is designed for instruments with lumens and cavities.
Unclear errors	Fault codes on screen help identify the problem.
Bench space	A low 190 mm profile fits under cabinets and on crowded counters.

Applications

The Master Science 6 L Cassette Autoclave is suited to
Dental clinics needing quick handpiece and instrument turnaround Emergency and outpatient departments Ophthalmic and minor surgery units Shared instrument sets across departments Veterinary practices

Operation

- On-screen display of system operation
- Programme can be interrupted safely at any time
- Up to 6 cycles per hour

Sterilization

- Removable sterilization cassette
- Non-wrapped sterilization in about 9 minutes
- Operating range 115 to 135°C

Safety

- Self-detection system with automatic stop
- Fault code display
- Safety valve set at 0.25 MPa

Standard Accessories Included

- Cassette autoclave main unit
- Sterilization cassette