Horizontal Steam Autoclave - Class N Cylindrical Sterilizer - 150L to 500L - 134°C with Drying

Model **MSSTH-150SWISS, MSSTH-200SWISS, MSSTH-280SWISS, MSSTH-400SWISS, MSSTH-500SWISS** | Brand **Master Science**





The Master Science Horizontal Steam Autoclave is a cylindrical, frame-mounted sterilizer for hospitals, clinics and laboratories that need to process large loads of dressings, instruments and media. Five chamber sizes are available, from 150 L up to 500 L, all with a stainless steel chamber and a radial-arm locking door.

KEY HIGHLIGHTS

- Simple automatic operation
- Dressing drying
- Door safety
- Wide size range

AT A GLANCE

134°C WORKING TEMPERATURE	**105 to 134°C** TEMPERATURE RANGE
≤ ±2°C HEAT UNIFORMITY	

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

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Overview

The sterilizing course is controlled automatically and includes a drying stage, which makes the Master Science Horizontal Steam Autoclave well suited to drying dressings and linen after sterilization. Temperature can be set from 105 to 134°C, and both sterilization and drying times are adjustable from 0 to 60 minutes.

For F0 control and touch-screen records, compare the horizontal jacketed autoclave 150L to 400L.

Facilities with high daily loads need a sterilizer that is robust and simple. The Master Science Horizontal Steam Autoclave helps with:

Key Benefits

Simple automatic operation
The sterilization course runs automatically once the programme is set.

Dressing drying
A built-in drying stage removes moisture from dressings and fabric loads.

Door safety
The door cannot be opened until chamber pressure falls to 0.027 MPa, and the cycle will not start with the door open.

Wide size range
Five chamber volumes from 150 L to 500 L fit different workloads.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSSTH-150SWISS, MSSTH-200SWISS, MSSTH-280SWISS, MSSTH-400SWISS, MSSTH-500SWISS
SKU	MSSTH-150SWISS, MSSTH-200SWISS, MSSTH-280SWISS, MSSTH-400SWISS, MSSTH-500SWISS
Brand	Master Science
Models	MSSTH-150SWISS (150 L), MSSTH-200SWISS (200 L), MSSTH-280SWISS (280 L), MSSTH-400SWISS (400 L), MSSTH-500SWISS (500 L)
SKU	MSSTH-150SWISS, MSSTH-200SWISS, MSSTH-280SWISS, MSSTH-400SWISS, MSSTH-500SWISS
Working Pressure	0.22 MPa
Working Temperature	134°C
Temperature Range	**105 to 134°C**
Sterilization Time	0 to 60 min
Drying Time	0 to 60 min
Heat Uniformity	≤ ±2°C
Power	150/200 L: 9 kW; 280 L: 12 kW; 400/500 L: 15 kW; 380 V, 50/60 Hz

DIMENSIONS & WEIGHT	
Chamber Size	150 L: Ø440 × 1000 mm; 200 L: Ø515 × 1000 mm; 280 L: Ø600 × 1000 mm; 400 L: Ø700 × 1100 mm; 500 L: Ø700 × 1300 mm
External Dimensions	150 L: 1350 × 600 × 1520 mm; 200 L: 1400 × 670 × 1650 mm; 280 L: 1400 × 770 × 1780 mm; 400 L: 1430 × 880 × 1830 mm; 500 L: 1800 × 900 × 1820 mm

PROBLEMS THE MASTER SCIENCE HORIZONTAL STEAM AUTOCLAVE SOLVES	
Wet dressings after sterilization	The drying function removes moisture before unloading.
Opening the door too early	A pressure interlock keeps the door closed until it is safe.
Overpressure risk	The safety valve automatically vents steam above 0.24 MPa.
Running dry	Low-water detection cuts power and sounds an alarm.

Applications

The Master Science Horizontal Steam Autoclave is used for
Hospital and clinic sterilization departments
Sterilizing and drying surgical dressings and linen
Large-batch glassware and instrument sterilization
Culture media sterilization in microbiology labs Waste decontamination in research facilities

Construction

- Stainless steel sterilizing chamber
- Horizontal cylindrical design on a steel frame
- Radial-arm door locking wheel

Operation

- Automatically controlled sterilizing course
- Adjustable sterilization and drying times, 0 to 60 min
- Temperature range 105 to 134°C

Safety

- Over-temperature and over-pressure protection
- Door interlock until pressure drops to 0.027 MPa
- Safety valve opens above 0.24 MPa and exhausts steam to the water tank
- Automatic power cut-off and alarm on low water

Standard Accessories Included

- Autoclave main unit