Vertical Autoclave - Class N Steam Sterilizer - 30L 50L 75L - 134°C Microcomputer Control

Model **MSSTV-F30LSWISS, MSSTV-F50LSWISS, MSSTV-F75LSWISS, MSSTV-F30LASWISS, MSSTV-F50LASWISS, MSSTV-F75LASWISS** |
Brand **Master Science**





The Master Science Class N Vertical Autoclave is a top-loading steam sterilizer for laboratories, hospitals and production facilities that need dependable sterilization of media, glassware, instruments and waste. It is offered in 30 L, 50 L and 75 L chamber sizes, each available in semi-automatic or fully automatic configuration.

KEY HIGHLIGHTS

- Hands-off cycles
- Shorter turnaround
- Safe operation
- Right size for the load

AT A GLANCE

50 to 134°C TEMPERATURE SETTING RANGE	**1 to 9999 min** TIME SETTING RANGE
304 stainless steel CHAMBER MATERIAL	**2.0 mm (reference)** CHAMBER WALL THICKNESS

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

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Overview

The chamber is made of food-grade 304 stainless steel and the outer shell combines stainless steel with impact-resistant, heat-resistant thermoplastic. A microcomputer runs the full cycle and shows its progress on an LCD window, so the Master Science Class N Vertical Autoclave stops and alarms on its own when sterilization is finished.

For small loads of wrapped instruments that need vacuum drying, see our Class B benchtop autoclave.

Manual sterilizers cost staff time and carry safety risks. The Master Science Class N Vertical Autoclave addresses the usual issues:

Overview

- LCD window with dynamic cycle display
- One-button selection of sterilization programmes
- Preheating and melting function with selectable time and temperature
- Delayed-start reservation function
- Automatic fault detection
- Optional printer for real-time temperature and time records

Key Benefits

Hands-off cycles
Microcomputer control runs heating, sterilization and exhaust automatically and signals when the load is ready.

Shorter turnaround
An air-cooled rapid cooling device brings the chamber temperature down quickly so the lid can be opened sooner.

Safe operation
A combined electrical and mechanical interlock keeps the lid locked while the chamber is under pressure.

Right size for the load
Three chamber volumes let you match the autoclave to daily throughput.

Technical Specifications

GENERAL

General	Technical data of the Master Science Class N Vertical Autoclave series:
Brand	Master Science
Model Number	MSSTV-F30LSWISS, MSSTV-F50LSWISS, MSSTV-F75LSWISS, MSSTV-F30LASWISS, MSSTV-F50LASWISS, MSSTV-F75LASWISS
SKU	MSSTV-F30LSWISS, MSSTV-F50LSWISS, MSSTV-F75LSWISS, MSSTV-F30LASWISS, MSSTV-F50LASWISS, MSSTV-F75LASWISS
Brand	Master Science
Models	MSSTV-F30LSWISS / MSSTV-F30LASWISS (30 L), MSSTV-F50LSWISS / MSSTV-F50LASWISS (50 L), MSSTV-F75LSWISS / MSSTV-F75LASWISS (75 L)
SKU	MSSTV-F30LSWISS, MSSTV-F50LSWISS, MSSTV-F75LSWISS, MSSTV-F30LASWISS, MSSTV-F50LASWISS, MSSTV-F75LASWISS
Chamber Volume	30 L (Ø350 × 400 mm), 50 L (Ø350 × 550 mm), 75 L (Ø350 × 700 mm)
Configuration	Semi-automatic or fully automatic
Chamber Material	304 stainless steel
Chamber Wall Thickness	2.0 mm (reference)
Temperature Setting Range	**50 to 134°C**
Time Setting Range	**1 to 9999 min**
Rated Working Pressure	0.217 MPa
Power	220 V, 3.5 kW

DIMENSIONS & WEIGHT

Basket Size (D × H)	30 L: 335 × 190 mm; 50 L: 335 × 360 mm; 75 L: 335 × 190 mm + 335 × 360 mm
External Dimensions	30 L / 50 L: 550 × 620 × 1070 mm; 75 L: 550 × 620 × 1190 mm

PROBLEMS THE MASTER SCIENCE CLASS N VERTICAL AUTOCLAVE SOLVES

Constant supervision	Automatic cycle control and an end-of-cycle alarm free staff from watching the gauge.
Long waits before unloading	Rapid air cooling shortens the time until the lid can be opened.
Risk of opening under pressure	The lid interlock prevents opening while pressure remains in the chamber.
Boiled-dry heaters	Anti-dry protection and fault detection protect the heater and the load.
No cycle records	An optional printer documents temperature and time for each run.

Applications

The Master Science Class N Vertical Autoclave is used for
Sterilizing culture media and solutions in microbiology labs Decontaminating glassware and unwrapped instruments Treating biological waste before disposal Hospital and clinic central sterilization Food, pharmaceutical and research laboratories

Construction

- Food-grade 304 stainless steel chamber
- Shell of stainless steel and impact-resistant thermoplastic
- Lever-type multi-link lid opening mechanism

Exhaust (fully automatic models)

- Automatic discharge of cold air
- Internal steam exhaust
- Automatic steam exhaust at the end of the cycle

Safety

- Electrical and mechanical lid interlock under pressure
- Mechanical safety relief valve
- Electronic over-pressure protection
- Heater dry-run protection
- Leakage protection

Standard Accessories Included

- Autoclave main unit
- Stainless steel basket(s)

Optional Accessories

- Built-in printer