Automatic Glassware Washer - Laboratory Washer Disinfector - 200 L Chamber - 93°C, 12+99 Programs

Model **MSLWD-200ISWISS** | Brand **Master Science**







The Master Science Automatic Glassware Washer cleans laboratory glassware and plasticware by combining high-volume water spray with detergent and neutralizer, helping remove inorganic residues such as heavy metals and organic residues such as dyes, hormones, grease and dust. Its 200 L chamber holds two racks that can take 420 autosampler vials or test tubes, or 72 volumetric flasks, beakers or conical flasks, in one run.

KEY HIGHLIGHTS

- High washing capacity
- Strong, even spray
- Thermal disinfection
- Full traceability

AT A GLANCE

≥ 200 L CHAMBER VOLUME	**≥ 3 kW** WATER HEATING POWER
Room temperature to 99°C (wash up to 93°C) WATER TEMPERATURE CONTROL	**420 vials or test tubes, or 72 flasks and beakers per run** LOAD CAPACITY

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

support@themsci.com
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Overview

The washer is 105 cm high and less than 75 cm wide and deep, so it can sit under a lab bench. Wash water can be heated up to 93°C for thermal disinfection, and with 12 standard and 99 user programmes the Master Science Automatic Glassware Washer adapts to many kinds of labware and cleaning requirements.

Manual washing is slow, inconsistent and can leave residues that affect trace analysis. The Master Science Automatic Glassware Washer helps with:

Key Benefits

High washing capacity
Two racks clean up to 420 vials or 72 larger vessels at once.

Strong, even spray
An 800 L/min pump, rotating spray arms and fan nozzles reach every surface.

Thermal disinfection
Wash temperature up to 93°C.

Full traceability
A built-in data memory records every step of each cycle.

For a smaller undercounter model with drying, see our 120 L glassware washer disinfector.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSLWD-200ISWISS
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Chamber Volume	≥ 200 L
Chamber / Housing Material	316L stainless steel inner chamber, 304 stainless steel outer shell
Racks	2 cleaning racks (interchangeable)
Load Capacity	**420 vials or test tubes, or 72 flasks and beakers per run**
Circulation Pump Flow	800 L/min
Water Temperature Control	Room temperature to 99°C (wash up to 93°C)
Programmes	12 standard + 99 custom
Water Inlets	2 (tap water and purified water)
Detergent Dosing	2 peristaltic pumps, adjustable dosage

DIMENSIONS & WEIGHT

External Dimensions	607 × 730 × 1050 mm

POWER

Wash Pump Power	≤ 0.75 kW
Water Heating Power	≥ 3 kW
Power Supply	220 V, 50 Hz

PROBLEMS THE MASTER SCIENCE AUTOMATIC GLASSWARE WASHER SOLVES

Hours spent hand-washing	One run cleans hundreds of vials or dozens of flasks.
Inconsistent cleaning results	Programmed cycles, controlled dosing and uniform spray give repeatable results.
Scald and splash risk	The door stays locked during washing.
No record of cleaning	Data memory logs every step for review.

Applications

The Master Science Automatic Glassware Washer is used for
Cleaning HPLC and GC autosampler vials Washing volumetric flasks, beakers and conical flasks Trace metal and residue analysis labs Environmental, food and pharmaceutical testing laboratories Research and university laboratories

Structure

- Double-layer insulated and sound-damped housing
- 316L stainless steel chamber, 304 stainless steel shell
- No exposed screws or rivets
- Foam-insulated double-layer metal door
- Fits under a standard lab bench

Control System

- Microcomputer with tilted colour LCD
- 12 standard and 99 custom programmes
- Black-box data memory of every cleaning step
- Self-diagnosis and fault prompts

Cleaning System

- 800 L/min circulation pump
- Rear parallel water supply into the racks
- Parallel spray columns for even distance and loading
- Double-layer 360° rotating spray arms with fan nozzles
- Automatic heating, adjustable up to 93°C
- Two peristaltic pumps for detergent and neutralizer

Safety

- Door locks during washing, with emergency opening after power failure
- Low detergent alarm
- Pump over-temperature and dry-run protection
- Heater anti-dry protection
- Water level sensing
- Chamber over-temperature protection
- Programme self-check and self-cleaning

Standard Accessories Included

- 2 cleaning racks
- 2.5 L cleaning fluid
- 2.5 L neutralizing fluid