Glassware Washer Disinfector - Undercounter Lab Washer & Dryer - 120 L - 99 Programs

Model **MSLWD-120SWISS** | Brand **Master Science**







The Master Science Glassware Washer Disinfector combines programmed washing, thermal disinfection and hot-air drying in one undercounter unit. It cleans beakers, flasks, pipettes, petri dishes, burettes, cylinders and test tubes on dedicated racks, and custom racks can be supplied for special glassware.

KEY HIGHLIGHTS

- Clean, disinfected and dry
- Validated rinsing
- Traceable cycles
- Programs for every load
- Resumes after power cuts

AT A GLANCE

0 to 99 °C
CHAMBER TEMPERATURE

600 × 629 × 465 mm
CHAMBER SIZE (W × D × H)

120 L
CHAMBER CAPACITY

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

A PLC-based controller with 7-inch touchscreen stores 99 user programs. A typical cycle runs pre-wash, detergent wash, rinse, neutraliser wash, rinse, hot water wash and drying, with every parameter adjustable.

Key Benefits

Clean, disinfected and dry
the Master Science Glassware Washer Disinfector completes the full process without manual drying.

Validated rinsing
optional conductivity monitoring confirms rinse water quality.

Traceable cycles
an optional printer documents each wash and disinfection cycle.

Programs for every load
99 storable programs with adjustable time, temperature and dosing.

Resumes after power cuts
cycle parameters are retained and the program continues.

For smaller labs, see the Master Science compact laboratory glassware washer.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSLWD-120SWISS
SKU	MSLWD-120SWISS
Chamber Capacity	**120 L**
Wash Levels	1
Water Use per Cycle	15 L
Chamber Temperature	0 to 99 °C
Noise	< 50 dBA
Water Pressure	0.3 to 1.0 MPa
Control	PLC with 7-inch color touchscreen; 99 programs
Access Control	Multi-level passwords
Materials	304 stainless steel body and trolley (316L optional)
Safety	Electromagnetic door lock, over-temperature cut-off, overload and leakage protection, emergency stop
Alarms	Drain fault, detergent or neutraliser low, high water, heating

DIMENSIONS & WEIGHT	
Chamber Size (W × D × H)	600 × 629 × 465 mm
External Size (W × D × H)	980 × 740 × 830 mm
Net / Gross Weight	130 / 150 kg

POWER	
Wash Pump Power	1.1 kW
Water Heater Power	5 kW
Dryer Power	2.1 kW
Maximum Power	6 kW
Power Supply	220 to 240 V, 50/60 Hz
Interrupted cycles after power cuts	the washer resumes automatically.

COMMON LABORATORY PROBLEMS AND HOW THIS WASHER HELPS	
Common Laboratory Problems and How This Washer Helps	How the Master Science Glassware Washer Disinfector supports glassware reprocessing:
Air-drying takes hours	integrated drying returns glassware ready to use.
No proof of cleaning	printer and conductivity records provide evidence.
Unauthorised program changes	password levels protect settings.
Noisy equipment	operation stays below 50 dBA.

The Master Science Glassware Washer Disinfector is used in

- **Pharmaceutical and GMP laboratories**
- **Clinical and microbiology labs**

Food and environmental testing

Universities and research centres

Biotechnology facilities

Process

- Pre-wash, detergent, neutraliser and hot rinse stages
- Thermal disinfection up to 99 °C
- Hot-air drying

Control

- PLC with anti-interference design
- 7-inch color touchscreen
- 99 programs with password protection

Safety

- Electromagnetic door lock
- Temperature limit cut-off
- Electrical overload and leakage protection

Optional Accessories

- Water conductivity monitoring
- Cycle printer
- 316L stainless steel trolley
- Custom racks