# 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.

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www.themsci.com

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## 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