Deionized Water Purifier - RO and DI Lab Water System - 10-30 L/h - 16 MΩ·cm

Model **MSLWP-F5-M10SWISS, MSLWP-F5-M20SWISS, MSLWP-F5-M30SWISS** | Brand **Master Science**





The Master Science Deionized Water Purifier turns ordinary tap water into two grades of laboratory water: RO pure water with TDS below 10 ppm, and deionized water with resistivity of 10 to 16 MΩ·cm at 25 °C. Both are drawn from separate outlets, ready to use.

KEY HIGHLIGHTS

- Two water grades from one unit
- Replaces water stills
- Automatic operation
- Tool-free filter change
- Safer design

AT A GLANCE

10 / 20 / 30 L/h
PRODUCTION CAPACITY

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

Three output sizes are available, 10, 20 and 30 L per hour, each supplied with an external 12 L pressure tank. The system can replace single, double or triple distilled water stills.

Key Benefits

Two water grades from one unit
the Master Science Deionized Water Purifier supplies RO and DI water.

Replaces water stills
no boiling and lower running cost.

Automatic operation
RO flushing, tank filling and stop on low feed water.

Tool-free filter change
quick-connect cartridges, front and back doors.

Safer design
electrics separated from the water path.

For higher purity, see the Master Science laboratory instrument range.

Technical Specifications

GENERAL	
General	Specifications of the Master Science Deionized Water Purifier range (M10 / M20 / M30):
Brand	Master Science
Model Number	MSLWP-F5-M10SWISS, MSLWP-F5-M20SWISS, MSLWP-F5-M30SWISS
SKU	MSLWP-F5-M10SWISS, MSLWP-F5-M20SWISS, MSLWP-F5-M30SWISS
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SKU	MSLWP-F5-M10SWISS, MSLWP-F5-M20SWISS, MSLWP-F5-M30SWISS
Feed Water	Tap water, 0.15 to 0.5 MPa, 5 to 40 °C
Production Capacity	**10 / 20 / 30 L/h**
Dispense Flow	1.5 to 2 L/min (with pressure tank)
RO Water	Salt rejection 95 to 99 %, TDS < 10 ppm
Deionized Water	10 to 16 MΩ·cm at 25 °C, conductivity ≤ 0.1 µS/cm
Purification Stages	5 µm PP, granular activated carbon, RO membrane, deionization column
Outlets	2 (RO water and deionized water)
Monitoring	Online water quality and pressure monitoring
Power Supply	220 V, 50 Hz, 48 W

DIMENSIONS & WEIGHT	
Dimensions (W × D × H)	410 × 270 × 500 mm
Package Dimensions	640 × 560 × 700 mm

COMMON LABORATORY PROBLEMS AND HOW THIS PURIFIER HELPS	
Common Laboratory Problems and How This Purifier Helps	How the Master Science Deionized Water Purifier solves lab water problems:
Slow, energy-hungry distillation	RO and DI purification on demand.
Unknown water quality	online monitoring.
Scaling of RO membranes	automatic flushing.
Difficult filter replacement	quick-connect cartridges.

Applications

Water from the Master Science Deionized Water Purifier is used for: Feed water for ultra-pure water systems Biochemical analysers and reagent preparation Microbial culture media and buffers Stability chambers, hydrogen generators and salt spray testers Electroplating, battery and chip washing

Purification

- 5 µm PP pre-filter
- Activated carbon
- RO membrane and DI column

Automation

- Anti-scaling RO flush
- Auto stop when tank is full
- Auto stop on tap water failure

Service

- Quick-connect filter cartridges
- Front and rear access doors
- Portable TDS pen supplied

Standard Accessories Included

- Purifier with one set of filter cartridges
- External 12 L pressure tank
- Accessory kit
- Portable TDS pen