Slim Deionized Water Purifier 10-30 L/h, 10-16 MΩ.cm RO and DI Lab Water System, 4-Stage

Model **MSLWP-F5-S10SWISS,MSLWP-F5-S20SWISS,MSLWP-F5-S30SWISS** | Brand **Master Science**







The Master Science Slim Deionized Water Purifier produces RO water and deionized water from one compact, slim unit that can sit inside a lab cabinet. Deionized water reaches 10-16 MΩ.cm at 25°C with conductivity of 0.1 µS/cm or less, and models are available for 10, 20 or 30 L/h.

KEY HIGHLIGHTS

- Fits small spaces
- Easy filter service
- Status at a glance
- Replaces distillers

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

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Overview

A four-stage process of PP filtration, activated carbon, reverse osmosis and two deionization columns prepares water for analyzers, reagent preparation and instrument supply, and it can serve as the pre-treatment stage for an ultrapure system.

> Need 18.25 MΩ.cm water as well? See our Touch Screen Ultrapure Water Purifier, which can follow the Slim Deionized Water Purifier.

Key Benefits

Fits small spaces
A slim 20 cm wide body can be placed inside a lab cabinet.

Easy filter service
Exposed quick-insert cartridges make replacement simple.

Status at a glance
A large backlit LCD shows flushing, water making, tank full or low, and maintenance status with sound and light alarms.

Replaces distillers
Supplies deionized water without single, double or triple distillation units.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSLWP-F5-S10SWISS,MSLWP-F5-S20SWISS,MSLWP-F5-S30SWISS
SKU	MSLWP-F5-S10SWISS,MSLWP-F5-S20SWISS,MSLWP-F5-S30SWISS
Models	10, 20 and 30 L/h versions
Deionized Water Resistivity	10-16 MΩ.cm at 25°C
Conductivity	≤ 0.1 µS/cm
Salt Rejection	95-99% (with new RO membrane)
TDS (RO Water)	< 10 ppm
Ammonia	≤ 0.3 µg/mL
Nitrate	≤ 0.06 µg/mL
Water Production	10 / 20 / 30 L/h at 25°C
Outlets	2: RO water and deionized water
Working Pressure	0.1-0.5 MPa
Rated Daily Output (10 L/h model)	100 L/day

POWER

Rated Power	48 W
Power Supply	220 V, 50/60 Hz

DIMENSIONS & WEIGHT

Size (L x W x H)	40 x 20 x 36 cm
Package Dimensions (W x D x H)	440 x 270 x 670 mm
Gross Weight	17 kg

PURIFICATION STAGES

Stage 1	5 µm PP filter for coarse particles, colloids and suspended solids
Stage 2	granular activated carbon for odour, colour, organics and heavy metals
Stage 3	RO membrane with 0.0001 µm pore size
Stage 4	two deionization columns for heavy metals and trace elements

TYPICAL LAB WATER ISSUES IT ADDRESSES

Distillers are slow and energy hungry	RO plus deionization delivers 10-30 L/h at 48 W.
No room on the bench	The slim housing fits inside a cabinet.
Filter changes are awkward	Quick-insert, exposed cartridges swap in seconds.
Unclear system status	The LCD and alarms show when the tank is low or maintenance is due.

Applications

The Slim Deionized Water Purifier supplies water for

Pre-treatment for ultrapure water systems Biochemical analyzers Microbial culture media and buffer preparation Chemical and biochemical reagent preparation Stability test chambers, hydrogen generators and other instruments Electroplating, battery filling and chip washing

Control

- Automatic microcomputer control
- Large backlit LCD screen
- Real-time display of flushing, water making, full/low water and maintenance status
- Sound and light alarms

Design

- Slim body for in-cabinet installation
- Exposed quick-insert filter cartridges
- Transparent window and detachable panel for easy maintenance
- Portable test pen included

Standard Accessories Included

- Main unit with one set of consumable filters
- Accessory package
- Portable test pen