Floor-Standing Deionized Water Purifier 45-150 L/h, 10-16 MΩ.cm RO DI Water System

Model **MSLWP-F5-45SWISS,MSLWP-F5-60SWISS,MSLWP-F5-90SWISS,MSLWP-F5-120SWISS,MSLWP-F5-150SWISS** | Brand **Master Science**







The Master Science Floor-Standing Deionized Water Purifier delivers high volumes of RO and deionized water for busy laboratories and analyzer feeds. Five models produce 45, 60, 90, 120 or 150 L/h, and the deionized water reaches 10-16 MΩ.cm at 25°C with conductivity below 0.1 µS/cm.

KEY HIGHLIGHTS

- High output
- Longer membrane life
- Constant monitoring
- Easy to place

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

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Overview

Two LCD screens and fully automatic microcomputer control show power, water, pump, flushing, low-water and tank-full status in real time. An automatic anti-scaling flush and timed flushing help extend RO membrane life, and the cabinet rests on a stand with fixed and movable feet for easy installation.

For lower demand in a compact format, see our Slim Deionized Water Purifier, 10-30 L/h, a smaller partner to the Floor-Standing Deionized Water Purifier.

Key Benefits

High output
Up to 150 L/h for labs and instruments with heavy demand.

Longer membrane life
Automatic anti-scaling flushing and timed flush programs protect the RO membrane.

Constant monitoring
Online water quality monitoring with dual LCD screens.

Easy to place
Floor-standing cabinet with a stand that has fixed and movable feet.

Technical Specifications

GENERAL	
Brand	Master Science
Model Number	MSLWP-F5-45SWISS,MSLWP-F5-60SWISS,MSLWP-F5-90SWISS,MSLWP-F5-120SWISS,MSLWP-F5-150SWISS
SKU	MSLWP-F5-45SWISS,MSLWP-F5-60SWISS,MSLWP-F5-90SWISS,MSLWP-F5-120SWISS,MSLWP-F5-150SWISS
Models	45, 60, 90, 120 and 150 L/h versions
Feed Water	Urban tap water, TDS < 200 ppm, 5-45°C, 1.0-3.5 kg/cm²
Inorganic Ion Rejection	> 96%
Soluble Organic Rejection	> 99% (molecular weight > 100)
Particulate Rejection	> 99%
Microbial Retention	> 99%
Outlets	2: RO water and deionized water
RO Water Quality	TDS < 10 ppm, total salt rejection above 95%
Deionized Water Quality	Conductivity < 0.1 µS/cm, resistivity 10-16 MΩ.cm at 25°C
Output Water Quality	Meets GB6682-2008 laboratory water standard
Power Supply	220 V, 50/60 Hz, 72-240 W

DIMENSIONS & WEIGHT	
Machine Size (L x W x H)	59 x 43 x 101 cm

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	compressed activated carbon for residual chlorine, organics and turbidity
Stage 4	RO membrane, 0.0001 µm pore size
Stage 5	deionization tank for heavy metals and trace elements

LAB WATER PROBLEMS THIS UNIT IS BUILT TO HANDLE	
Analyzers run short of water	Outputs up to 150 L/h keep instruments supplied.
RO membranes scale and fail early	Automatic anti-scaling flushing extends membrane life.
Water quality changes unnoticed	Online monitoring shows quality continuously.
Heavy systems are hard to install	The stand with movable feet makes positioning easier.

Applications

The Floor-Standing Deionized Water Purifier supplies water for: Automatic biochemical and immunoassay analyzers General chemistry and microbial analysis Sample diluent, fluid and culture media preparation Water quality analysis and spectrometer work Climate, salt spray and UV aging chambers Bottle washers and high-pressure sterilizers

Control and Monitoring

- Dual LCD screens
- Fully automatic microcomputer control
- Online water quality monitoring
- Automatic RO anti-scaling flush and timed flushing
- Real-time status display: power, water, pump, flush, low water, tank full

Design

- Floor-standing cabinet
- Stand with fixed and movable feet
- TDS test pen supplied

Standard Accessories Included

- Main unit with one set of consumable filters
- Pressure tank: built-in or external 11 gallon tank, or external 60 L tank depending on model
- Accessory package
- TDS test pen