Ultra-pure Water Purifier - 18.2 MΩ·cm Lab Water System - 20, 40 or 60 L/h

Model **MSLWP-S2-20SWISS, MSLWP-S2-20VSWISS, MSLWP-S2-20FSWISS, MSLWP-S2-20VFSWISS, MSLWP-S2-40SWISS, MSLWP-S2-40VSWISS, MSLWP-S2-40FSWISS, MSLWP-S2-40VFSWISS, MSLWP-S2-60SWISS, MSLWP-S2-60VSWISS, MSLWP-S2-60FSWISS, MSLWP-S2-60VFSWISS** | Brand **Master Science**





The Master Science Ultra-pure Water Purifier makes 18.2 MΩ·cm ultra-pure water and primary RO water at the same time from tap water. A single-pass RO stage with high ion rejection feeds a large-capacity DI ion-exchange unit, all controlled automatically and shown on an LCD.

KEY HIGHLIGHTS

- Two water grades together
- Choose the right purity
- Large DI capacity
- Automatic control
- Compact

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 rates (20, 40 and 60 L/h) are each offered in four versions: Standard, V for low TOC (2 ppb), F for endotoxin and nuclease removal, and VF combining both.

> For a unit with UV and ultrafiltration as standard, see the Master Science ultrapure water system.

Key Benefits

Two water grades together
the Master Science Ultra-pure Water Purifier gives Type I and RO water.

Choose the right purity
four versions for general, trace organic and bioscience work.

Large DI capacity
fewer cartridge changes.

Automatic control
LCD with system status.

MASTER SCIENCE · Dinkelbergstrasse 14, 4127 Birsfelden, Switzerland
support@themsci.com · www.themsci.com

Compact
built-in tank in a 273 mm wide body.

Technical Specifications

GENERAL

Brand	Master Science
Model Number	MSLWP-S2-20SWISS, MSLWP-S2-20VSWISS, MSLWP-S2-20FSWISS, MSLWP-S2-20VFSWISS, MSLWP-S2-40SWISS, MSLWP-S2-40VSWISS, MSLWP-S2-40FSWISS, MSLWP-S2-40VFSWISS, MSLWP-S2-60SWISS, MSLWP-S2-60VSWISS, MSLWP-S2-60FSWISS, MSLWP-S2-60VFSWISS
SKU	MSLWP-S2-20SWISS, MSLWP-S2-20VSWISS, MSLWP-S2-20FSWISS, MSLWP-S2-20VFSWISS, MSLWP-S2-40SWISS, MSLWP-S2-40VSWISS, MSLWP-S2-40FSWISS, MSLWP-S2-40VFSWISS, MSLWP-S2-60SWISS, MSLWP-S2-60VSWISS, MSLWP-S2-60FSWISS, MSLWP-S2-60VFSWISS
Brand	Master Science
Model Numbers	MSLWP-S2-20SWISS, MSLWP-S2-20VSWISS, MSLWP-S2-20FSWISS, MSLWP-S2-20VFSWISS, MSLWP-S2-40SWISS, MSLWP-S2-40VSWISS, MSLWP-S2-40FSWISS, MSLWP-S2-40VFSWISS, MSLWP-S2-60SWISS, MSLWP-S2-60VSWISS, MSLWP-S2-60FSWISS, MSLWP-S2-60VFSWISS
SKU	MSLWP-S2-20SWISS, MSLWP-S2-20VSWISS, MSLWP-S2-20FSWISS, MSLWP-S2-20VFSWISS, MSLWP-S2-40SWISS, MSLWP-S2-40VSWISS, MSLWP-S2-40FSWISS, MSLWP-S2-40VFSWISS, MSLWP-S2-60SWISS, MSLWP-S2-60VSWISS, MSLWP-S2-60FSWISS, MSLWP-S2-60VFSWISS
Production Rate	20, 40 or 60 L/h
Dispense Rate	Up to 2 L/min
Built-in Tank	1.8 L pressure tank
Resistivity	18.2 MΩ·cm at 25 °C
Conductivity	0.055 µS/cm
TOC	5 ppb (Standard, F); 2 ppb (V, VF)
Particles	< 1 /mL (> 0.2 µm)
Bacteria	< 0.01 CFU/mL
Endotoxin (F, VF)	< 0.001 EU/mL
RNase / DNase / Protease (F, VF)	1 pg/mL / 5 pg/mL / 0.15 µg/mL
RO Water	Ion rejection 98 to 99 %, organics > 99 % (MW > 300 Da), particles and bacteria > 99 %
Feed Water	Tap water, 1 to 6 bar, 5 to 40 °C, conductivity < 2000 µS/cm, hardness < 300 ppm, free chlorine < 3 ppm, pH 4 to 10

POWER

Power Supply	100 to 240 V, 50/60 Hz
Power	48 W (20), 72 W (40), 120 W (60)

DIMENSIONS & WEIGHT

Dimensions (L × W × H)	273 × 555 × 568 mm
Weight	About 21 kg

COMMON LABORATORY PROBLEMS AND HOW THIS PURIFIER HELPS

Common Laboratory Problems and How This Purifier Helps	How the Master Science Ultra-pure Water Purifier supports sensitive analysis:
Contamination peaks in trace analysis	18.2 MΩ·cm water with TOC down to 2 ppb.
Endotoxin and nucleases in bioscience work	F and VF versions remove them.
Separate systems for RO and ultra-pure water	one unit supplies both.
Low tap pressure	optional pre-boost device.

Applications

Typical uses of the Master Science Ultra-pure Water Purifier:

Standard
chemical tests, biochemical analysis, blood tests, HPLC, IC and GC

V (low TOC)
AAS, emission spectroscopy, mass spectrometry and TOC analysis

F: high-sensitivity ICP-MS, PCR, ppt-level and isotope analysis

VF: molecular biology, cell culture, protein purification and drug development

Disease control, quality inspection and university laboratories

Purification

- Single-pass RO stage
- Large DI ion-exchange unit
- Low TOC and ultrafiltration versions

Operation

- Automatic control
- LCD display
- Up to 2 L/min dispensing

Design

- Built-in 1.8 L pressure tank
- Embedded purification column
- Tap water feed

Optional Accessories

- Level-controlled pure water tank
- Pre-boost pump device

MASTER SCIENCE · Dinkelbergstrasse 14, 4127 Birsfelden, Switzerland
support@themsci.com · www.themsci.com