Selection Guide

MS Item Number	Tap Water Inlet	DI Water Inlet	Type I Water	TypeII Water	Type III Water	UV Lamp (254&185nm)	UV Lamp (254nm)	UF Module (5000D)	TOC Level	Endotoxin Level
UPW-S-T13-15	Y		Y		Y		Y		<10ppb	N/A
UPW-S-T13-15UF	Y		Y		Y		Y	Y	<10ppb	<0.001Eu/ml
UPW-S-T13-15UV	Y		Y		Y	Y			<3ppb	N/A
UPW-S-T13-15VF	Y		Y		Y	Y		Y	<3ppb	<0.001Eu/ml
UPW-S-T13-30	Y		Y		Y		Y		<10ppb	N/A
UPW-S-T13-30UF	Y		Y		Y		Y	Y	<10ppb	<0.001Eu/ml
UPW-S-T13-30UV	Y		Y		Y	Y			<3ppb	N/A
UPW-S-T13-30VF	Y		Y		Y	Y		Y	<3ppb	<0.001Eu/ml
UPW-S-P12		Y	Y	Y			Y		<10ppb	N/A
UPW-S-P12-UF		Y	Y	Y			Y	Y	<10ppb	<0.001Eu/ml
UPW-S-P12-UV		Y	Y	Y		Y			<3ppb	N/A
UPW-S-P12-VF		Y	Y	Y		Y		Y	<3ppb	<0.001Eu/ml
UPW-S-T23-15	Y			Y	Y		Y		N/A	N/A
UPW-S-T23-15UT	Y			Y	Y		Y		N/A	N/A
UPW-S-T23-30	Y			Y	Y		Y		N/A	N/A
UPW-S-T23-30UT	Y			Y	Y		Y		N/A	N/A

Consumables

Item No.	Description	Approximate replacement term/set
PC-M-PP	Sediment Pre-filter	2-6 months
PC-M-KDF	Composite Pre-filter for hardness and chlorine	12 months
PC-M-AC-G	Granular active carbon cartridge	6 months
RO-100GPD	100 GPD reverse osmosis membrane	12-24 months
RO-200GPD	200 GPD reverse osmosis membrane	12-24 months
PTC-AC-HZB1	Organic Scavenge	12-18 months
PTC-MBR-M	Mixed bed resin cartridge	6 months
PTC-MBR-M4	4-in-I mixed bed resin cartridge module	6-12 months
PTC-UPPR-M	Ultrapure polishing resin cartridge	6 months
PTC-UPPR-M4	4-in-1 ultrapure polishing resin cartridge	6-12 months
TF-(0.45+0.1)μm-S	Bacterial Filter	-
UF-5000D	UF cartridge: Nuclease & Endotoxin removal	-
LAMP-(185nm&254nm)-10W-M	Dual wavelength(185&254)nm uv lamp	9000 hours
LAMP-254-10W-M	254 nm wavelength uv lamp	9000 hours

- 12 months warranty excluding consumables.
- Installation guide covering usage and maintenance.
- Product support.

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Membrane Solutions

S Series

Ultrapure Water System

www.membrane-solutions.com

MS S Series Deionized Water System Designed for Tap water feed

MS S Series Deionized water system designed for general Laboratory grade water applications.

LCD display, timed dispense, 3 sensors to ensure the outlet quality from the dual Type-**II** and Type-**III** water dispense points are always monitored.

From Tap to Type-**II** water with an output range of 15 to 30 Litres/hour. Dispenses RO water with >97% rejection rate and deionized water up to 2 Litres/minute at >16 MΩ-cm from a single system meeting the requirements for general chemical and biological applications for pure water.

MS S Series Ultrapure Water System Designed for Tap water feed

MS S Series Ultrapure water system designed for critical Laboratory grade water applications.

LCD display, timed dispense, 2 system pumps, 3 sensors to ensure the outlet quality from the dual Type-**I** and Type-**III** water dispense points are always monitored.

From Tap to Type-**I** water with an output range of 15 to 30 Litres/hour. Dispenses RO water with >97% rejection rate and ultrapure water up to 2 Litres/minute at 18.2 MΩ-cm from a single system meeting the requirements for the most critical applications for ultrapure water. ASTM, CLSI, CAP, USP, EP.

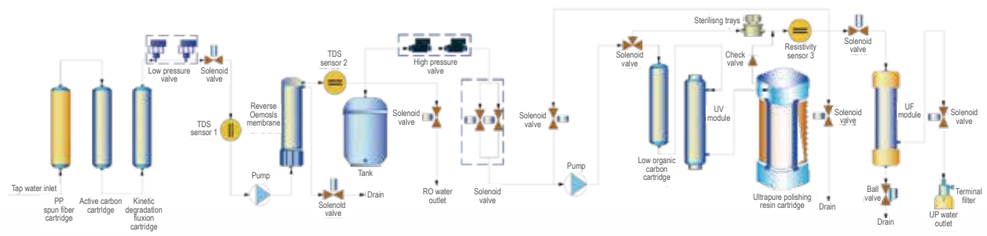
MS S Series Ultrapure Water System Designed for Pre-purified water feed

MS S Series Ultrapure water system designed for critical Laboratory grade water applications where a pre-purified water source is available such as RO/DI

LCD display, timed dispense, 3 sensors to ensure the outlet quality from the dual Type-**I** and Type-**II** water dispense points are always monitored.

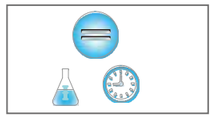
From Pre-purified to Type-**I** water with an output range of 2 Litres/minute. Producing deionized water and ultrapure water to 18.2 MΩ-cm from a single system meeting the requirements for the most critical applications for ultrapure water. ASTM, CLSI, CAP, USP, EP.

Flow Path Way





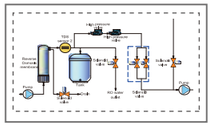
Micro-computer control system with LCD display



Comprehensive monitoring system



Easy-to-replacing cartridge



Built-in pretreatment and RO technology



Solid high-strength plastic shell



Features

- Cartridge replacement alarm function, based on time and water quality, shows cartridge life remaining.
- Multiple alarm functions: Low feed water, tank full, water quality and cartridge replacement reminder.
- Auto RO membrane flush, extends RO membrane life.
- Data port RS232/USB. Records data for minimum 1 year (optional).
- System sanitization procedure to maintain disinfection of wetted materials.
- System recirculates to maintain the high quality of the ultrapure water.
- Level-**II** password protected, prevents unauthorized setting change.
- External purified water tank is used to meet the different volume application requirements (optional).
- 3 easy access doors are used to maintain the system and allow for quick and convenient cartridge replacement changing.
- Wetted materials built to NSF standards, reduces TOC level and assures ultrapure water quality is maintained at all times.
- High quality RO membrane ensures a long life and high ion rejection rates.
- Ultrapure polisher cartridge with 4 in 1 design to ensure a consistently high water quality.
- Dual wavelength 185/254 nm ultraviolet lamp (UV) used to reduce TOC and microorganisms.
- MWCO 5000D ultrafiltration module, used to remove endotoxins for precise cell and IVF research.
- Point of use (POU) 0.45μm final filter assures dispensed water is microbial free.