

ULTRA PURIFIED WATER SYSTEM

PRIME S20

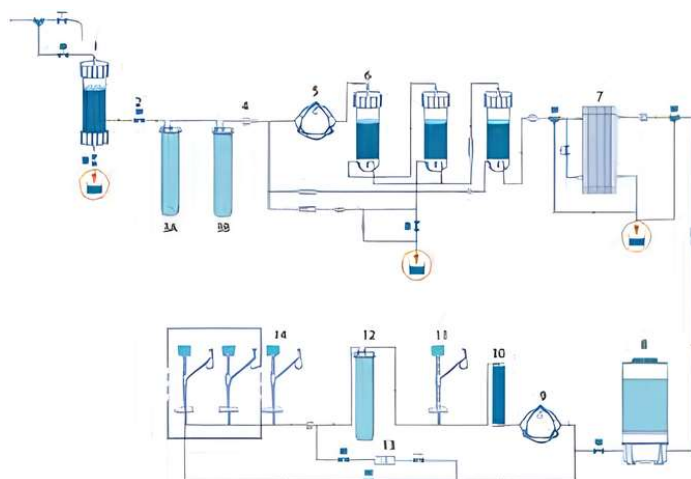


Product Overview

- © All-in-one system for ASTM Type I & Type II water/Clinical laboratory reagent water (CLSI)
- © Real on-line TOC analyzer with 185nm UV-lamp inside
- © EDI module imported
- © Dual wavelength UV-lamp 254nm & 185nm
- © Two (Type I & Type II) remote water dispenser arms with touch screen display
- © U-cloud platform for remote monitoring (Wifi module)
- © USB access port for data logging



Water Flow Chart



- | | | |
|---------------------------------|------------------------------|--------------------------------|
| 1 Pre-treatment module | 2 Solenoid valve | 3A Pre-guard cartridge A |
| 3B Pre-guard cartridge B | 4 Conductivity electrode | 5 Booster pump |
| 6 RO membrane | 7 EDI module | 8 Water tank |
| 9 Circulating pump | 10 UV lamp 185 & 254 nm | 11 Type II water dispenser arm |
| 12 Ultra purification cartridge | 13 Real on-line TOC analyzer | |
| 14 Type I water dispenser arm | | |

Main configurations	All-in-one system PRIME S20
Pre-treatment module	YES
Main host	YES
Pre-guard cartridge A	YES
Pre-guard cartridge B	YES
Ultra purification cartridge A*	YES
Two-stage Reverse osmosis	YES
EDI module imported	YES
Pre purification cartridge A	NO
Pre purification cartridge B	NO
Dual wavelength (254nm & 185nm) UV-lamp	YES
Real on-line TOC analyzer	YES
Type I Remote water dispenser arm with touch screen display	YES
Type II Remote water dispenser arm with touch screen display	YES
2M water piping from main unit to water tank & water dispenser	YES
60L water tank of Type II water, stepless water level sensor	YES
254nm UV light of water tank	YES
Inlet air filter of water tank 0.2µm	YES
Water leakage protection sensor	YES
0.22 µm end filter	YES
Feed water requirements	
Source	Potable tap water
Conductivity	<2000µS/cm
TOC	<1ppm
Hardness*	<450ppm as CaCO3
Pressure	0.1~0.4MPa (7-72psi)
Temperature	5~45°C
PH	4-10

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Main configurations	All-in-one system PRIME S20
Type II high purified water	
Resistivity at 25°C**	15MO.cm; typically 10 -15MO.cm
Conductivity at 25°C**	0.067µS/cm; typically 0.1µS/cm
TOC	<30ppb(µg/L)
Particulates with size > 0.22µm***	No particles
Endotoxin (Pyrogens)***	<0.001EU/mL
Bacteria***	<0.01cfu/mL (<10cfu/L)
Rnase***	<1pg/mL
Dnase***	<3pg/mL
Proteases***	<0.15µg/mL
RO rejection	≥99%
EDI ion rejection	≥99%
Production flow rate	20L/H
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	0.01L ~ 60L
Type I ultra purified water	
Resistivity at 25°C	18.2MO.cm
Conductivity at 25°C	0.055µS/cm
TOC	≤2ppb(µg/L)
Particulates with size > 0.22µm	No particles
Endotoxin (Pyrogens)	<0.001EU/mL
Bacteria	<0.01cfu/mL (<10cfu/L)
Rnase/Dnase	Free
Proteases	<0.15µg/mL
Manual control water flow rate	Maximum 2L/min, stepless control of flow rate
Quantitative water dispense range	0.01L ~ 60L
Electrical requirement	
Electrical voltage	110V/220V ±10%
Electrical frequency	50Hz/60Hz
Power	<135W
Size information	
Net Weight	
Pre-treatment module	8.5kg
Main host	33.2kg
Water dispenser arm	5.2kg/unit
30L Water tank	9kg
60L Water tank	10.66kg
100L Water tank	12.2kg
External Dimension {WxDxH}	
Pre-treatment module	270x280x566 (mm)
Main host	328x520x540 (mm)
Water dispenser arm	490x270x790 (mm) /unit
30L Water tank	390x390x690 (mm)
60L Water tank	390x390x930 (mm)
100L Water tank	390x390x1235 (mm)
Packing information	
Gross Weight	
Pre-treatment module	9.8kg
Main host	44kg
Water dispenser arm	7.9kg/unit
30L Water tank	12.4kg
60L Water tank	14kg
100L Water tank	15.6kg
Packing Dimension {WxDxH}	
Pre-treatment module	350x360x670 (mm)
Main host	510x670x750 (mm)
Water dispenser arm	840x530x290 (mm) /unit
30L Water tank	520x520x780 (mm)
60L Water tank	520x520x1020 (mm)
100L Water tank	520x520x1325 (mm)