

**WPL-RO-UP-30-UV-V2, Laboratory Water Purification Systems**



With 5.0 inch touch screen system, 3 way water quality sensor, 2 way flow sensor for quantified dispensing, single stage RO system and 2 pumps, Master Touch-S series ultrapure water system is superior choice of ultrapure water for high grade experiments. With tap water inlet, its output ranges from 15 to 30 liters/hour. It can produce single stage RO water and ultrapure water. The single stage RO water's ion rejection rate is more than 97%, and the ultrapure water's resistivity absolutely reaches to 18.2MΩ.cm. It completely meets the highest grade I standard of ASTM, CAP, CLSI, EP and USP.

Model	Standards	Eliminating endotoxin	Low TOC	Synthesizing
	WPL-RO-UP-15-S WPL-RO-UP-30-S	WPL-RO-UP-15-UF WPL-RO-UP-30-UF	WPL-RO-UP-15-UV WPL-RO-UP-30-UV	WPL-RO-UP-15-UVF WPL-RO-UP-30-UVF
<b>Output (°25C)*</b>	15series-15 liters/hour, 30 series-30 liters/hour			
<b>Flow rate</b>	Up to 2 liters/minute(with pressure tank)			
<b>Pure water outlet</b>	2: reverse osmosis water, ultrapure water			
<b>Ultrapure water quality</b>				
<b>Resistivity(°25C)</b>	18.2MΩ.cm			
<b>TOC*</b>	<10ppb		<3ppb	
<b>Bacteria</b>	<0.01cfu/ml			
<b>Particle (&gt;0.1µm)</b>	<1/ml			
<b>Endotoxin</b>	N/A	<0.001Eu/ml	N/A	<0.001Eu/ml
<b>RNases</b>	N/A	<1pg/ml	N/A	<1pg/ml
<b>DNases</b>	N/A	<5pg/ml	N/A	<5pg/ml
<b>RO water quality</b>				
<b>Ion rejection rate</b>	%99-%97 (new RO membrane)			
<b>Organic rejection rate</b>	>%99, when MW>200 Dalton			
<b>Particles &amp; bacteria rejection rate</b>	>%99			
<b>Feed water requirements</b>	Tap water, temperature:°45-5C,pressure:4.0-1.0Kgf/cm <sup>2</sup>			
<b>Dimension and weight</b>	LengthxWidthxHeight:540x360x500mm / Weight: about 20Kg			
<b>Electrical requirements</b>	AC240-100V, 60/50Hz			
<b>Power</b>	120W			
<b>Standard configuration</b>	Main body (Including 1 set of cartridge)15+ liters pressure tank			

\*The value will be influenced by temperature and feed water's quality.

# WATER-PURIFICATION

# Laboratory Water Purification Systems

Model	Commodity	Approximate replacement term /set
171-2-000030	5µm spun fiber cartridge	2-6 months
171-2-000031	KDF+granular active carbon mixed cartridge	12 months
171-2-000032	Granular active carbon cartridge	6 months
171-2-000037	100 GPD reverse osmosis membrane	12-24 months
171-2-000127	200 GPD reverse osmosis membrane	12-24 months
171-2-004129	Reducing TOC cartridge	9000 liters pure water
171-2-000038	Mixed bed resin cartridge	1000 liters pure water
171-2-000338	4-in-1 mixed bed resin cartridge module	4000 liters pure water
171-2-000039	Ultrapure polishing resin cartridge	1000 liters pure water
171-2-000339	-4in1- ultrapure polishing resin cartridge	4000 liters pure water
171-2-000140	(0.45+0.1)µm terminal filter	-
171-2-000040	MWCO5000D UF cartridge	-
171-2-004130	Double wavelength (185&254)nm uv lamp	9000 hours
171-2-000100	254 nm wavelength uv lamp	9000 hours

## Flow Schematic

