

# SYNTHESIZING ULTRAPURE WATER SYSTEM WPS65-012FV



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## WPS65-012FV

Ultrapure water system is sub-economic choice for high grade experiments. This level of purification is required for advanced analytical techniques, such as HPLC, and is commonly used for semi-conductor manufacturing.

Used in Laboratory, Manufacturing, Reefkeeping, Aquarium, Laboratory, Research.

Also known as Laboratory Ultrapure water system.

## WPS65-012FV SYNTHESIZING ULTRAPURE WATER SYSTEM

Double stage reverse osmosis technology.

With tap water inlet, to produce double stage RO water and ultrapure water, quality can reach to 18.2 MΩ.cm.

Built-in 5.8 liters PE tank and 10 liters airtight plastic pressure water tank.

Built-in 1st stage RO pump, 2nd stage RO pump and circulating sanitizing pump.

Unique design and easy-to-replace cartridges pack unit.

Data storage and RS 232/USB communication port.

3 way on-line water quality sensor, multiple alarm.

Life-span of cartridges' display and alarm.

System circulation function, system sterilization procedure.

The graphic display clearly indicates all system's parameters. From water quality to knowing when it is time to change the purification pack, you'll see at a glance what is need.

For ease-of-use, the main purification technologies are contained in an innovative all-in-one pack that mean you can change it in just a couple of minutes.

The system requires no special installation, connect the system to your tap water supply it's ready to use.



## SPECIFICATIONS

|                          |   |
|--------------------------|---|
| Model                    | WPS65-012FV   |
| Feed Water Requirements* |   |
| Water Inlet              | Tap water   |
| Temperature              | 5-45°C  |
| Pressure                 | 1.0-4.0 Kgf/cm <sup>2</sup>   |
| Bacteria                 | <0.1 cfu/ml   |
| Dimension LxWxH          | 545x470x610 mm  |
| Weight                   | 20 kg   |
| Power Consumption (W)    | 240 W   |
| Power Supply             | AC110-220 V, 50/60 Hz   |
| Note                     | *The quality of output water accords with the quality of inlet water. |
| Ultrapure Water Quality  |   |
| Heavy Metal Ion          | <0.1 ppb  |
| Endotoxin                | <0.001 EU/ml  |
| Rnases                   | <0.01 ng/ml   |
| Dnases                   | <4pg/μl   |
| Feed Water Requirements  |   |

|                                  |                  |
|----------------------------------|------------------|
| Output                           | 12 L/hrs at 25°C |
| Flow rate (with pressure tank)   | >1.5 L/min       |
| Resistivity (25°C)               | 18.2 MΩ.cm       |
| TOC*                             | 3 ppb            |
| Particle (>0.1µm)                | <1/ml            |
| Conductivity of 2 stage RO water | 1-5µs/cm*        |



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