

# BASIC DEIONIZED WATER SYSTEM WPS11-015



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It provides a variety of applications from residential to scientific and industrial settings. It completely meets the requirements of general chemical or biological experiments for pure water. Deionized water system is an ideal choice of deionized water for grade experiments.

Used in Laboratory, Manufacturing, Reefkeeping, Aquarium.

Also known as Laboratory Deionized water system.

## WPS11-015 BASIC DEIONIZED WATER SYSTEM

Automatic microcomputer controlling system, LED real-time animation mode display.

Running status is showed in the LED, such as flushing, producing water, full tank, water shortage, leakage and service.

Power on self test, power reset, alarm when work more than 6 hours continuously, water shortage, leakage, low pressure and high pressure.

3 procedure of the reverse osmosis membrane's self-flushing: power on, water shortage reset and work more than 2 hours continuously, extend the life of RO membrane.

Bench top and floor stand(except for 45 series and built-in tank type), 2 kind installation method

High-strength shell with powder painting technics, achieve elegant appearance and meeting GLP standard

Pretreatment cartridges, RO module, deionized cartridges, all designed to modularization independently. Easy to maintenance and replacement.

Built-in 12 liters pressure tank (IT series), save lab space and easy to maintain.

Different external tanks (optional) to meet every need and assure ample water-supply.

Pipeline and fast-plug adaptor with NSF authorization, assure high quality ultrapure water.

DOW's RO membrane, ensure stable operation and high desalinization rate.

Precision polishing mixed resin cartridge, combine high pure water quality and low running cost.

Portable TDS/conductivity test pen, testing feed water, RO water and deionized water's quality.



## SPECIFICATIONS

| Model                                 | WPS11-015                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------|
| Feed Water Requirements*              |                                                                                   |
| Water Inlet                           | Tap water: TDS<200 ppm (Extra pretreatment filter is recommended, if TDS>200 ppm) |
| Temperature                           | 5-45°C                                                                            |
| Pressure                              | 1.0-4.0 Kg/cm <sup>2</sup>                                                        |
| Flow Procedure**                      | PF+AC+RO+DI                                                                       |
| Ion rejection rate                    | 96%-99% (New RO membrane)                                                         |
| Organic rejection rate                | >99% (when MW>200 Dalton)                                                         |
| Particles and bacteria rejection rate | >99%                                                                              |
| Bacteria                              | <0.1 cfu/ml (with terminal filter)                                                |
| Output(25°C)****                      | 15 L/hrs                                                                          |

|                         |                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pure water outlet       | RO and deionized water                                                                                                                                                                                                                                                                                   |
| DimensionLxWxH          | 410x320x420 mm                                                                                                                                                                                                                                                                                           |
| Weight                  | 15 kg                                                                                                                                                                                                                                                                                                    |
| Standard configuration  | Main body (Including 1 set of cartridges) + TDS pen+ accessory bag                                                                                                                                                                                                                                       |
| Power Consumption (W)   | 72 W                                                                                                                                                                                                                                                                                                     |
| Power Supply            | AC110-220 V, 50/60 Hz                                                                                                                                                                                                                                                                                    |
| Note                    | *The feed water quality will influence the pure water's quality and cartridges life-span.<br>**PF:polypropylene spun fiber, AC:active carbon, RO:reverse osmosis, DI:ion exchange. ***All the specifications are tested under the situation:feed water's TDS=200ppm, 25°C , 50psi and 15% recovery rate. |
| Deionized water quality |                                                                                                                                                                                                                                                                                                          |
| Resistivity             | >13-17.5MΩ.cm                                                                                                                                                                                                                                                                                            |
| Conductivity            | 0.057-0.077µs/cm                                                                                                                                                                                                                                                                                         |
| Particle(>0.2µm)        | Particle (>0.2 µm)<1/ml (with terminal filter)                                                                                                                                                                                                                                                           |

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