



# SOLAR DESALINATION TRAINING SETUP

## RN 220

### Description:

Solar desalination is a technique to desalinate water using solar energy. There are two basic methods of achieving desalination using this technique; direct and indirect. Sunlight may provide heat for evaporative desalination processes, or for some indirect methods, convert to electricity to power a membrane process. This device provide direct desalination system.

### Specifications:

- Glass vacuum tubes
- Water storage tank
- Tube junction tank with insulation
- Air-cooled Condenser
- Solar power meter for measuring input radiation
- Thermocouples for measuring inlet and outlet temperatures of condenser water
- Carbon steel structure
- Electrical control panel with switches and displays
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

### Applications:

1. Observing the working principle of a solar desalination system
2. Observing the effect of different parameters such as solar radiation on the desalination process

### Required For Operation:

- 220V Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%
- A completely level floor with enough light and an area of approximately 6 square meters



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Dimensions (L\*W\*H) mm:2000x 1600 x 1700

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