

**Product Name :**  
Solar Distillation Apparatus

**Product Code :**  
CHINAELABC3020001



**Description :**

Solar Distillation Apparatus

**Technical Specification :**

Measures output and efficiency against solar energy input, amount of base insulation, brine depth  
Effect of different absorbent surfaces  
Effect of inclination, ambient temperature, wind velocity and the effect of cooling the glass cover  
Demonstrates the onset of reflux  
Investigate the effects of varying the inclination of the absorption surface and the flow rate, recording at the same time the film thickness  
Investigate the comparison between all characteristics of the two units under identical conditions

**Features of Solar Distillation Apparatus:**

Temperature measurement at eight points  
Pen recorder to continuously record temperatures  
Removable solar radiation mat  
Extendable tray angles and hence flow rates  
Variable angle of incidence of sunlight on the absorbing pad Variable thermal insulation material mounted horizontally on a rigid steel stand  
Ability to tilt base continuously by  $+5^\circ$  and  $-5^\circ$  to the horizontal  
Horizontal rotation of basin through  $180^\circ$   
Non corrosive materials used in all critical areas



**Engineering Lab China**