

Product Name :
Solar Distillation Apparatus

Product Code :
CHINAELABC302001



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° to the horizontal
Horizontal rotation of basin through 180°
Non corrosive materials used in all critical areas



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