

Dehumidifier And Sterilised Water Generating Apparatus

Abstract

5 This invention describes a process for preparing sterilised water in an apparatus by condensation of moisture from ambient air comprising the steps of introducing ambient air to a condenser for heating the ambient air into heated air. Condensate is formed when the heated air is cooled when being introduced to a heat exchanger. The condenser and the heat exchanger co-operatively form a refrigeration system in the apparatus. The
10 invention further describes an apparatus for preparing sterilised water by condensation of moisture from ambient air. The apparatus comprises a condenser for heating ambient air into heated air and a heat exchanger for reducing the temperature of the heated air. The condenser and the heat exchanger co-operatively form a refrigeration system in the apparatus wherein ambient air is guided through the condenser and is heated by heat
15 generated by the condenser. The heated air is directed to the heat exchanger whereby condensate is substantially formed when the heated ambient air interacts with the heat exchanger.

20 Fig. 1a



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