

AN OZONISED VAPOUR GENERATOR

Abstract

Chemical disinfectants, for example phenols, hypochlorite and formaldehyde, are commonly used for disinfection or the reduction of pathogens. However, when food and water come into contact with these chemical disinfectants, they become unsafe for human consumption. The production and use of steam for disinfection is also a commonly used method. However, the heat generated during the production of steam is not only harmful to individuals but will also damage some materials, for example fabric, books, papers and heat-sensitive equipment. An embodiment of the invention describes use of a chamber wherein ozone and fluid are mixed for obtaining ozonised fluid therefrom. The ozonised fluid is directed at an atomising structure for atomising thereof into ozonised vapour. The ozonised vapour is subsequently directed away from the atomising structure when being atomised from the ozonised liquid into the ozonised vapour.

FIG. 1



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