

ABSTRACT

The present invention provides a decontamination device capable of accomplishing a decontamination effect with a proper amount of decontamination agent supplied to a room to be decontaminated by employing a mist circulation dispersion mechanism and reducing the duration of operations such as aeration to achieve more efficient decontamination works.

The decontamination device of the present invention includes a mist supply means and a mist circulation dispersion mechanism, and the mist supply means converts a chemical for decontamination into a mist for decontamination, and supplies the same to the inside of a working chamber. The mist circulation dispersion mechanism includes vibration boards disposed adjacent to internal wall surfaces of the working chamber, and the vibration boards are subjected to ultrasonic vibration to generate sound flows from board surfaces by an ultrasound in the vertical direction. The mist for decontamination supplied to the inside of the working chamber is pressed by acoustic radiation pressure to circulate and disperse the mist for decontamination in the working chamber.