

Abstract

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Multi-layer Air Purification Filter

The present invention discloses a multi-layer air purification filter, comprising square grids arranged at outer layers, a cellular grid sandwiched between two square grids, a fiber cloth layer containing activated-carbon arranged between the square grid and the cellular grid. A fibre mesh and a molecular sieve layer are arranged within the cellular grid. The first square grid contains the fibre mesh which may be used for filtering the filiform dust. The cellular grid containing the fibre grid and the molecular sieve layer is able to adsorb the water and filter the substances harmful to human being such as the methanol, the ethanol, the hydrogen sulfide, the sulfur dioxide, the ethylene, the propene and the like. The fibre cloth of black activated-carbon has excellent effects in sterilizing and removing of harmful chemicals. The whole product has an effect of multi-layer filtration, greatly improving the air purification efficiency. Moreover, it can be used widely, such as, in various air purification equipments to purify the living spaces of the human being, which comprise the inner space of the car.

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FIGURE 1