

ABSTRACT

A fume hood comprising: a hood (100), of which an inner cavity forms a work chamber (102), and a front wall is formed with an opening (110) opened toward the indoor environment; an air supply system, which is connected with an air supply channel of the building to supply air into the work chamber; and an air exhaust system, which is connected with an air exhaust channel of the building to discharge air that enters the work chamber through a front opening and enters the work chamber through the air supply system, out from the work chamber; the air supply system is provided with at least one air supply outlet in an upper part and a lower part of the hood respectively, the air supply outlet supplies air towards the work chamber; the hood is provided with a top module (400) in the upper portion, the top module (400) is mounted therein with an air supply blower (211) and an air supply valve (212) for the air supply system and an air exhaust blower (311) and an air exhaust valve (312) for the air exhaust system, the air supply channels which connect the air supply blower and the air supply valve to each air supply outlet are communicated with each other. The fume hood can reduce energy consumption of air conditioning and suppress overflowing of harmful substances in the work chamber, with a low installation cost and a high consistency of product quality.

Fig.4