

Title (en)  
LABORATORY FUME HOOD HAVING WALL JETS

Title (de)  
LABORABZUG MIT WANDSTRAHLEN

Title (fr)  
SORBONNE DE LABORATOIRE À JETS DE PAROI

Publication  
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Application  
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Abstract (en)  
[origin: WO2018122302A1] The invention relates to a fume hood (1) for a laboratory space, comprising a first hollow profiled element (10, 10'), which is arranged on a front-side end face of each side wall (36) and which has a first pressure chamber (10b, 10b') having a plurality of first openings (10d, 10d'), from which air jets in the form of wall jets (100) consisting of compressed air can be output along the associated side wall (36) into the working space. The size of the first openings (10d, 10d') and the air pressure present in the first pressure chamber (10b, 10b') are selected in such a way that the first pressure chamber (10b, 10b') can be fluidically connected to a building-installed compressed-air system (74) without the occurrence of flow separation of the wall jets (100) from the side wall (36) in a region from a front side of the working space to at least 25% of the depth of the working space. The invention further relates to a fume hood, wherein such a hollow profiled element (20, 20') is arranged on a front-side end face of the bottom plate (34).

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