

The invention relates to a ventilation unit for decentralised room ventilation systems, in which unit at least one reversible fan means (16) and a heat reservoir element (24) are supplemented by an electrostatic precipitator for air purification. In addition, a filter assembly is provided for a ventilation system, in particular for a decentralised room ventilation system, comprising an air duct (30) with an electrostatic precipitator through which an air stream to be purified is forced, said precipitator extending over a predetermined section of the air duct (30). The filter assembly has in addition, in the predetermined electrostatic-precipitator section (18) of the air duct, at least one heat reservoir element (24) impinged by the air stream, the electrostatic precipitator and the heat reservoir element thus being spatially restricted relative to one another.