

ABSTRACT OF THE DISCLOSURE

A ventilation system includes an input side with a blower, an output side, a filter, and a control system linked to the blower for controlling the output of the blower. The control system also includes a static pressure adjustment system having an input pressure sensor located adjacent the filter on the input side and an output pressure sensor located adjacent the filter on the output side. The static pressure adjustment system also includes a microprocessor linked to the input pressure sensor and the output pressure sensor, the microprocessor receiving signals indicating the static pressure on the input side and the output side. Based upon the static pressure on the input side and output side, the static pressure adjustment system determines a measured differential pressure and continuously sends a signal to increase the output of the blower as the measured pressure differential increases.