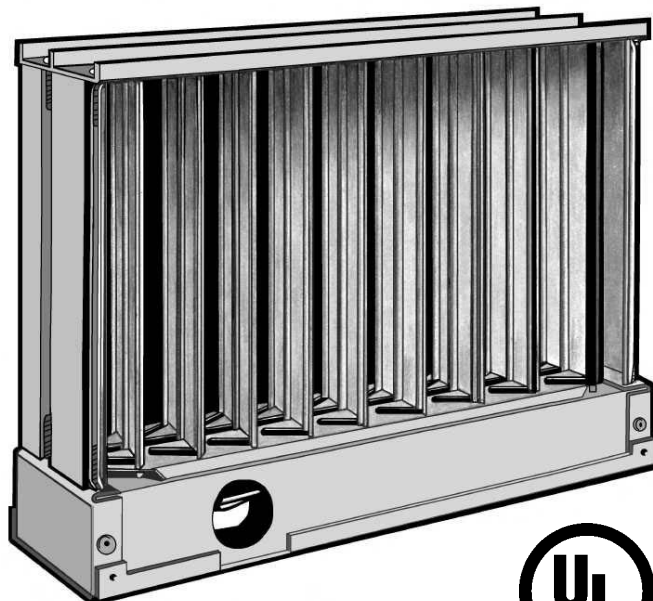


4000 Ventgard Exhaust Damper – The Energy Saver

The 4000 Ventgard damper is an energy efficient exhaust damper. It generates substantial energy savings by stopping the exhaust of conditioned air by rooftop ventilators from hotel, condo and high rise bathrooms, kitchens and conference rooms when the room is unoccupied. It is installed behind the exhaust grille and is ideal for new construction or retrofits.

FEATURES

- Saves energy; conditioned air is not continuously exhausted.
- Compact design that fits existing vent openings without alteration.
- Can be adjusted for acceptance of most standard perforated drop-in depths up to 1-3/8" from wall or ceiling. Front to back depth 2-1/2".
- Controls are accessible from the front of the unit.
- Balancing adjustment allows minimum air position.
- New individual blade bushings for smoother and quieter operation.
- Aluminum opposed blade damper and housing construction for corrosion resistance.
- Actuator and all controls located in damper housing.
- Damper opens in 40 seconds when light in room is on or power has been supplied.
- Actuator has built-in 5-minute delay to further purge room after occupant has left.
- UL listed.

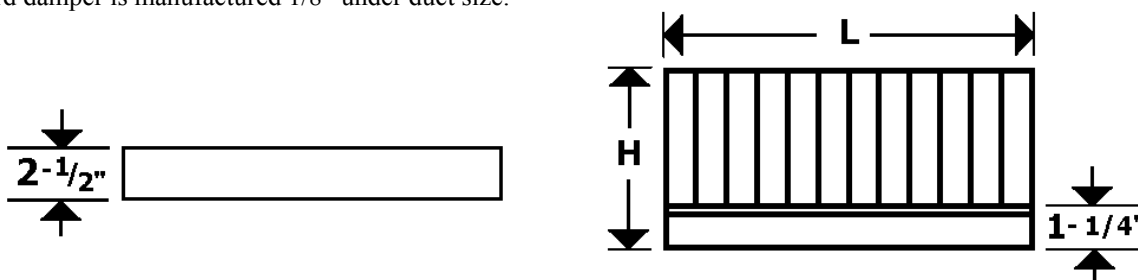


OPERATION

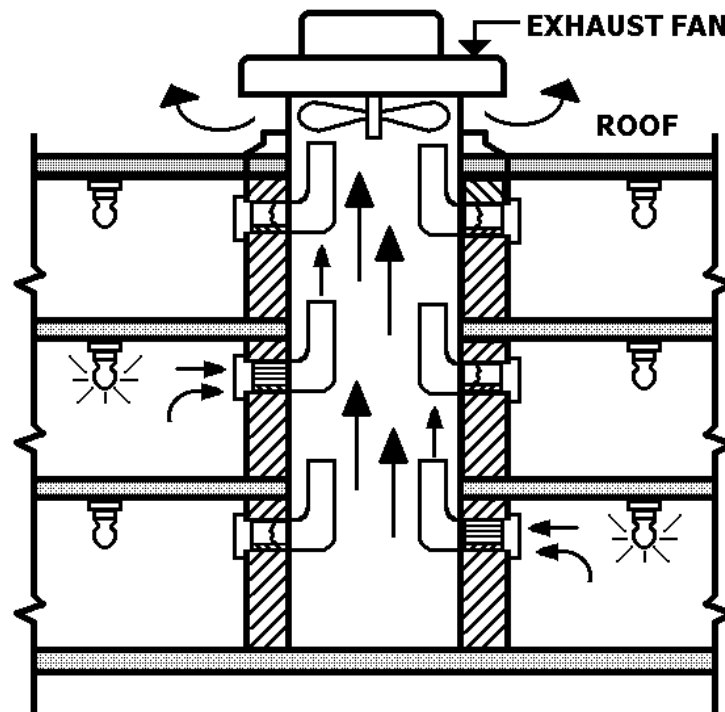
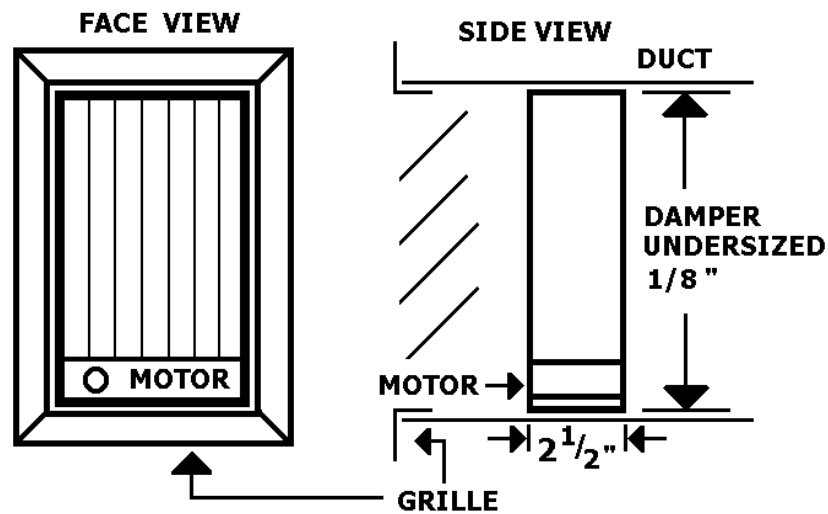
The Ventgard 4000 damper operates in-line with the light switch of high-rise bathrooms, kitchens, and the like. As a person enters the room and turns on the light, the Ventgard damper, located behind the exhaust grille, opens to allow the rooftop ventilator to exhaust air while the room is occupied. When the light switch is turned off and the room is unoccupied, a built in time delay in the actuator allows the exhaust of air for approximately 5 more minutes. The damper gradually closes, restricting the exhaust of conditioned air.

AVAILABLE SIZES

Standard sizes range from 6" x 6" through 12" x 12". Please call the factory for intermediate and larger sizes. The 4000 Ventgard damper is manufactured 1/8" under duct size.



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TYPICAL APPLICATION

In occupied rooms, the damper opens to permit the rooftop exhaust fan to exhaust stale air. The damper remains open for approximately five minutes after the light switch is turned off.

In unoccupied rooms, the damper is closed to prevent the rooftop exhaust fan from exhausting conditioned air. This reduces energy use and saves operating expenses.

The rooftop exhaust fan no longer has to pull air from every room for 24 hours a day, 7 days a week. The fan can be downsized by as much as 20%. This will save on the initial fan cost and reflect significant savings with ongoing operating expenses.

For relief, a bypass loop of outdoor air can be installed. Optionally, a variable speed fan can be used.