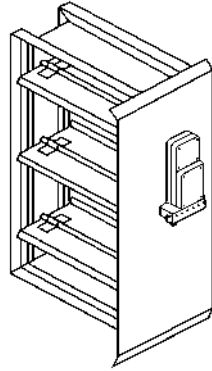
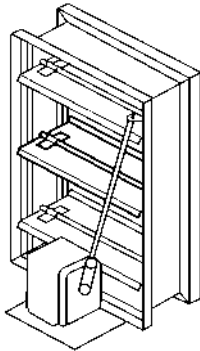


Damper Operator Typical Installation

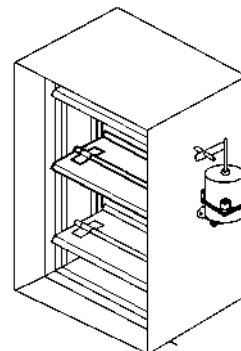
Both electric and pneumatic damper operators are available and are factory installed (see methods below) with either our smoke dampers or combination fire/smoke dampers. We are constantly expanding our Underwriters' Laboratories listings and therefore recommend that you contact the factory for the appropriateness (i.e. size limitations, torque and temperature) of a given fire/smoke application.



Dampers may be furnished with factory installed mounting plate (insert type: side plate) with operator.



Dampers may be furnished with operators mounted inside duct with factory installed internal motor mount.



Dampers may be furnished with factory installed sleeves and with operators mounted outside or inside air stream. Minimum sleeve depth 10".

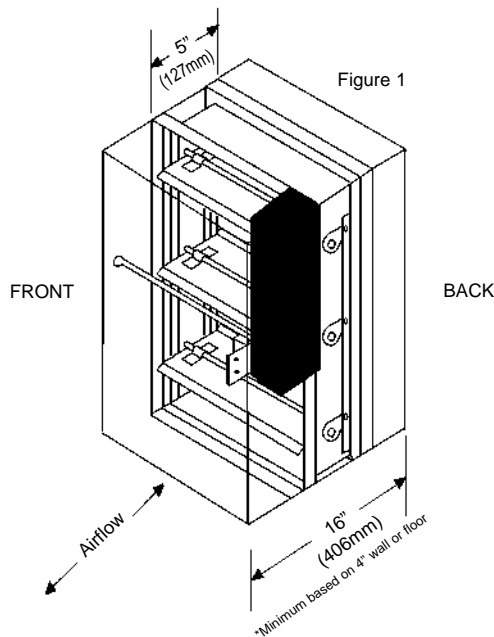
Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every 12 months or in accordance with the latest of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

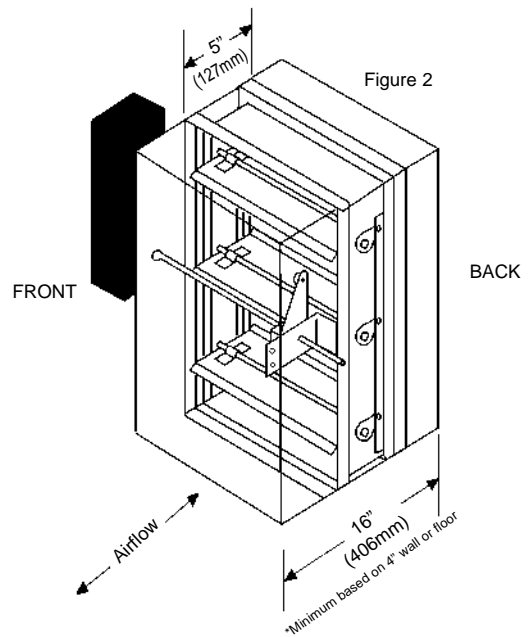
Specifications are correct at time of printing. However, as part of our 'continuous improvement program', we reserve the right to make further improvements without notice.

Typical Motor Mount Locations for Fire/Smoke and Smoke Dampers

Normal Right Hand Mount - Standard



Normal Left Hand Mount



Notes:

1. Appropriate sleeve length is determined by adding 12" to wall or floor thickness, i.e. an 8" wall or floor would require a 20" long sleeve.
2. Blade edge seals apply to Class I and II dampers only.
3. Damper positioning dimensions for all figures are approximately 9-3/8" from front and 2-5/8" from back.

Manufacturer's Recommendations

All moving parts of the damper must be inspected and cycled at intervals not greater than every 12 months or in accordance with the latest of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, fuse links shall be removed and inspected for corrosion. Dry lubricants are recommended.

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