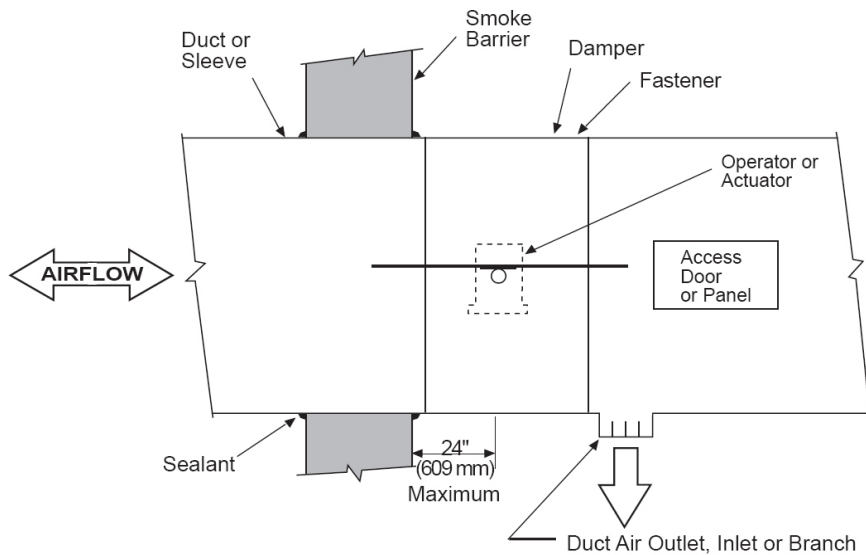


# Installation Instructions For Smoke Dampers

Models: S-3V Series, S-AF Series, S-RD



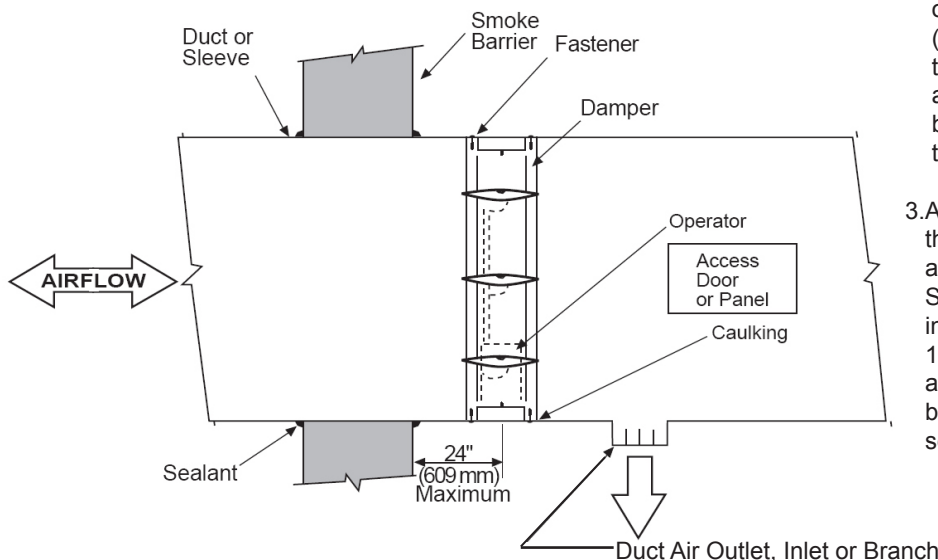
**Single Blade Damper**



## INSTALLATION DETAILS

1. Dampers should be installed to provide proper operation and performance. They should be installed to permit them to maintain their shape and remain square. Do not compress or stretch damper frame. Damper should be installed as to prevent any racking.
2. The dampers should be attached to the duct (s), sleeve or wall opening using No. 10 sheet metal screws, 1/4" dia. (6.4 mm) bolts and nuts, 1/2" (12.7 mm) long welds or 3/16" (4.8 mm) dia. steel pop rivets, 12" (304.8 mm) on center with a minimum of three fasteners. As well, when dampers are installed as a multiple damper assembly, the damper frames should all be attached to each other as outlined above.
3. All joints where the damper frame meets the duct or sleeve should be sealed using a 1/8" (3.2 mm) bead of sealant -CGE1200 Silicone Construction Sealant, Dow Corning Silastic 732, Nuflex 302, or GE RTV 108 As well, when dampers are installed as multiple damper assembly, all joints between the damper frames should be sealed as outlined above.

Note: Due to continuing research, UE reserves the right to change specifications without notice.



**Multiblade Damper**

Smoke dampers must be installed at or adjacent to the point where the duct passes through the smoke barrier in accordance with NFPA 90A. The maximum installation distance is 24" (609mm) from the smoke barrier, however, the preferred location of leakage rated smoke dampers is in the smoke barrier. Duct air outlets, inlets or branches shall not be located between the smoke damper and the smoke barrier. Smoke dampers must not be installed in fibrous glass-lined ducts and fibrous glass ducts in a manner that will damage the material. Use a hat section standoff, lining interruption, metal sleeves or sections on externally insulated metal duct. Provide a duct hanger at a smoke damper location when the duct strength is inadequate for the damper and its operator. If the damper operator is located within the duct, an access door must be provided.

## 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 edition of NFPA 90A, 92A, local codes and the actuator manufacturer. In addition, the damper shall be removed and inspected for corrosion. Dry lubricants are recommended.