



Installation Instructions for Model 5050G (5050 dampers in "G Style" Sleeves) as applied for "Out of Wall" style installations and for sidewall grille applications

Rated per UL555 & UL555S, UL File R6189

**For Vertical (Wall) Mount Only
Max. Section 36" x 36"**

1. Opening Size

There is no minimum clearance requirement between the wall opening and the sleeve exterior (with the thermal blanket attached). The opening size is 3/8-1/2" greater than the nominal damper size. The opening size is important for proper damper function.

2. Insulation

The factory installed thermal insulation is fragile and utmost care must be used to prevent tearing or damaging it during installation.

3. Installation

The 5500 series "G" installation is approved for vertical mounting in 2 hour rated metal stud and masonry construction walls. The unit must not be mounted upside down (reference the "Arrow Up" label). The damper must be mounted square to prevent racking and binding, which could result in unacceptable closure and an inadequate fire/smoke barrier.

4. Mounting Sleeve to Wall

Maneuver the sleeve into the opening until integral flange is tight against the wall. Take care not to damage the insulation blanket. Secure the sleeve into metal studs with #10 sheet metal screws or in masonry walls use #10 self-tapping concrete screws. Screw from the inside of sleeve into wall on 6" centers and a maximum of 2" from each corner. A minimum of 2 fasteners are required per each side, top and bottom. See Fig. 1

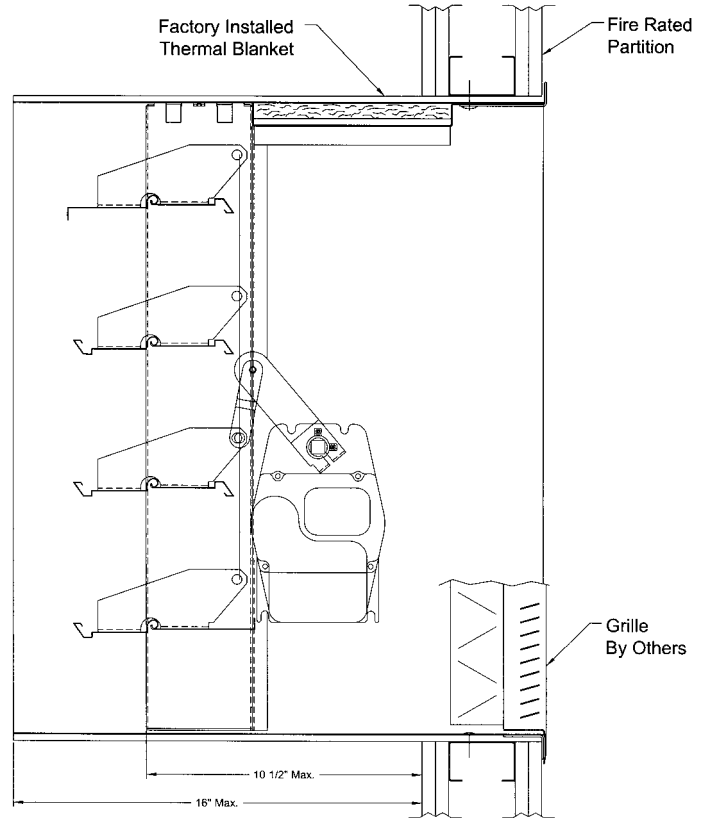


Fig. 1

5. Duct Connections

UL Standard 555 requires all duct connections to be either rigid or breakaway types. Rigid connections for sleeves up to 36" x 24" require a minimum of 16 gauge sleeves, larger dampers require a minimum of 14 gauge. Sleeves are available in 20 gauge when used in conjunction with a UL approved breakaway connection of the type shown in Fig. 2. Other commercial breakaway systems are available, see manufacturer's instructions for details. Sleeve gauge must not be lighter than connecting duct. The damper sleeve shall not extend more than 16" beyond the rated partition. The damper blade closure line shall not extend more than 10 1/2" beyond the rated partition.

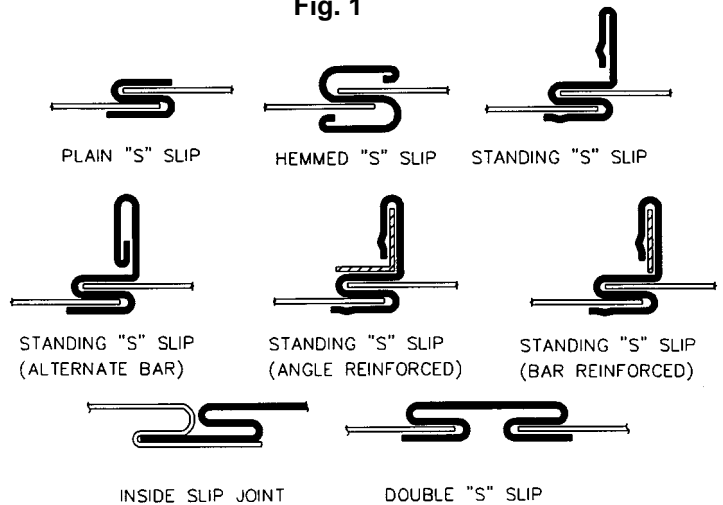


Fig. 2

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