

MAXIMUM SECURITY

STANDARD FEATURES

- **THROW PATTERNS:** Specify 1,2 (90° or 180°), 3 or 4 way
- **FACE FLANGE:** 16 gauge steel with beveled edges
- **HORIZONTAL LOUVER:** spaced at 3/8" at 50° for directional airflow
- **AIR PASSAGEWAYS:** Patented "S" style virtually eliminates 'looping' of materials around/or through louvers
- **NECK:** Rigid with 3-1/4" unit depth made of uni-welded constructed louvers
- **INSTALLS:** Face or duct mounted

FINISH

- Multi-stage surface preparation and powder coat finish (5-7 mil. thickness) beige or white, must specify .
- **OPTIONAL:** Custom powder coat colors. Rust inhibiting prime coat. Consult factory for other finishes.

OPTIONAL FEATURES

- **SLEEVE:** 16-gauge galvanized
- **OPPOSED BLADE DAMPERS:** Rear operated - shipped loose (typical)
- **TAMPERPROOF SCREWS:** Stainless steel screws (see inside back cover, page i) will be furnished based upon the product and type of installation (see pages A-14 and A-15)

CONSTRUCTION

The grille is made of 16-gauge steel with the outer perimeter formed to raise the grille face 7/16" from the wall or ceiling. The edge of the grille is manufactured with a beveled slope. No open or unfinished edges exist. The horizontal louvers correspondingly are attached to a uni-weld frame and faceplate creating a penetration resistant neck with a standard throat of 3-1/4".

Specified throw pattern will determine the number of cores and direction of airflow (1,2,3,4 way throws available). The diffuser will fit into the ceiling opening to be welded to ductwork or attached with sheet metal screws. Optional mounting flange is available for attachment from the face.

INSTALLATION

SV432 diffuser is installed through the ceiling opening and attached by tension guide-wires, duct welding or with sheet metal screws. Optional mounting flange attached to the ceiling permits secure installation with tamper proof screws. Optional sleeve and rear operated opposed blade damper(s) may be supplied, if required. See pages A-14 and A-15 for Installation Overview.

