

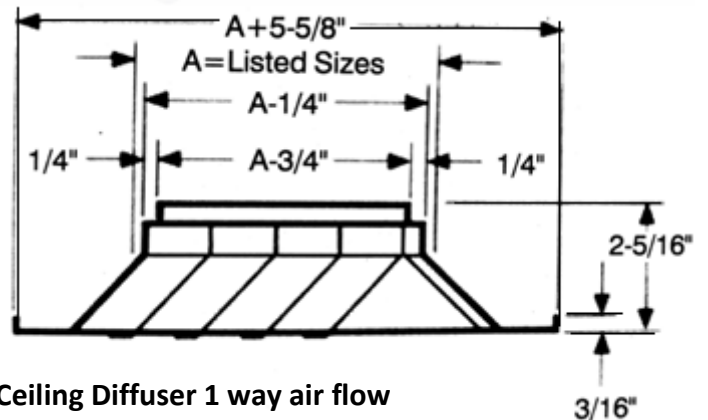


Air Link Products

We Guide Air Everywhere

Diffusers

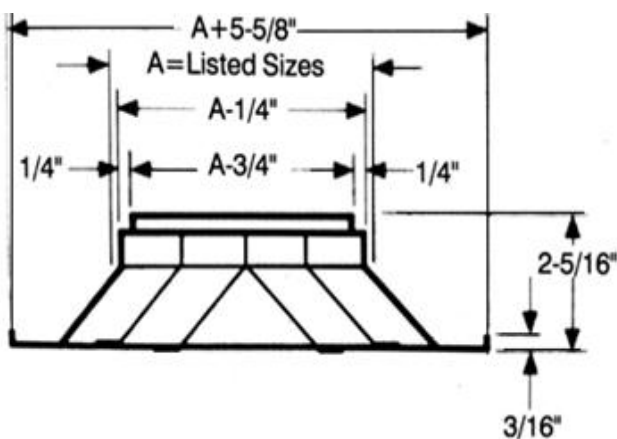
Square Ceiling Diffuser with Multiple Air Flow Pattern



Description:

A Square Ceiling Diffuser with multiple air flow patterns and with volume control Damper

- Frame and Blades is extruded aluminium alloy and are polyester powder coated with a white finish.
- The Frame and blades have a typical wall thickness of 1/16"
- The inner core of the diffuser is fully removable for easy installation. It is held in place with four machine screws and two spring steel clips which together Centre the core in the frame.
- The ceiling diffuser projects 3/16" from the mounting surface.
- The unit size increases in 3 inches increments beginning with 6 in x 6 in as the smallest available.
- The opposed blade damper section connects to the frame with screws and is lever operated from the face of the unit.
- The frame of the damper housing is separated from the blades with PVC bushings. This method of assembly eliminates corrosion and vibration.
- Standard finish white for frame and blades. Damper in black color. Painted under electrostatic polyester powder coated system. Other colors available on request. The Polyester powders of highest quality are used to enhance the appearance of the units.
- Equalizing grid is provided as an option.

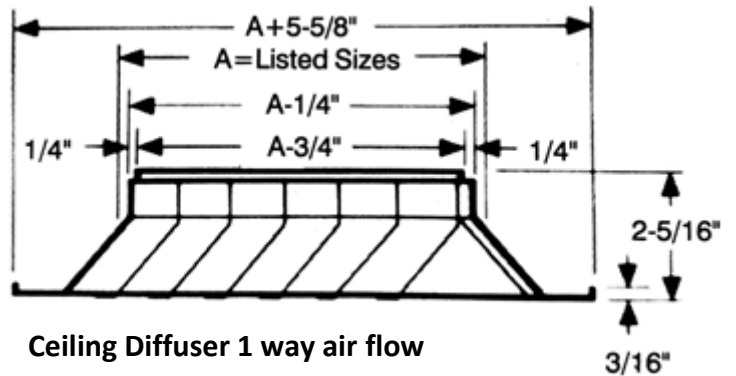
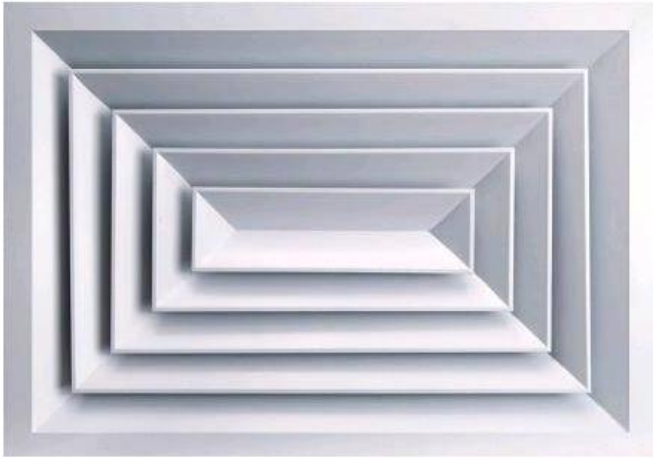


Ceiling Diffuser 2 way, 3 way and 4 way air flow





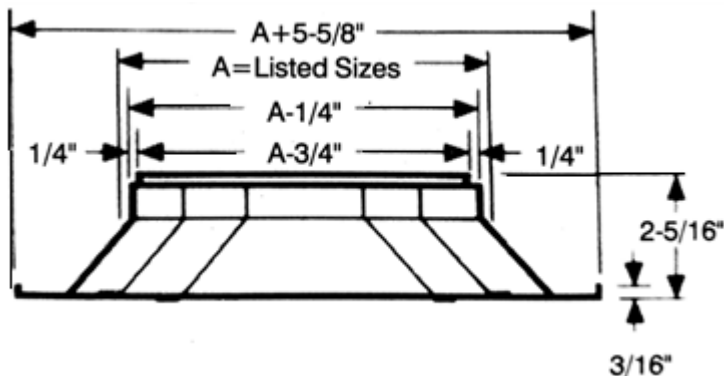
Rectangular Ceiling Diffuser with Multiple Air Flow Pattern



Description:

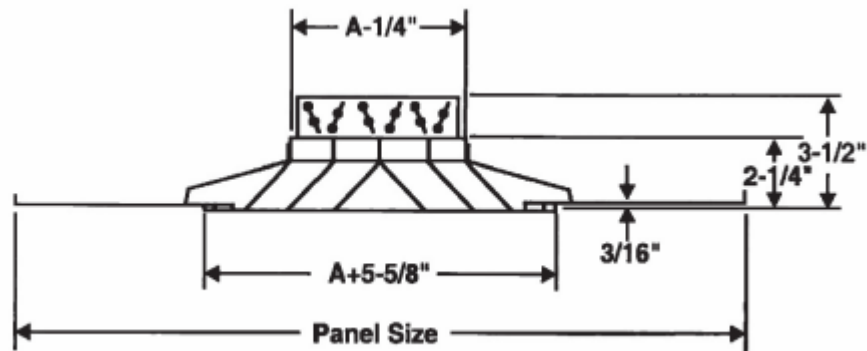
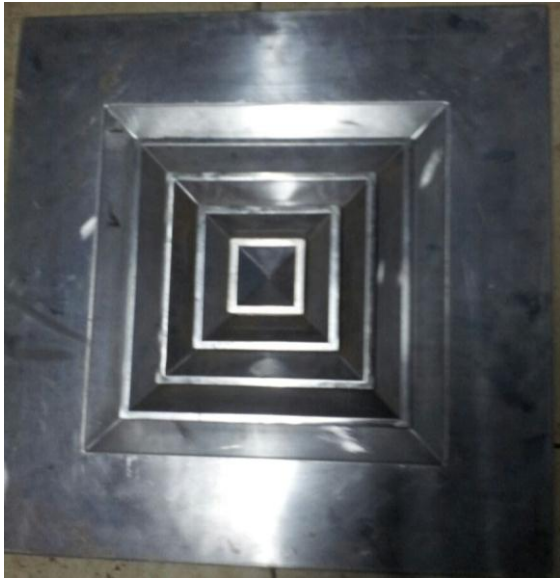
A Rectangular Ceiling Diffuser with multiple air flow patterns and with volume control Damper

- Frame and Blades is extruded aluminium alloy and are polyester powder coated with a white finish.
- The Frame and blades have a typical wall thickness of 1/16"
- The inner core of the diffuser is fully removable for easy installation. It is held in place with four machine screws and two spring steel clips which together Centre the core in the frame.
- The ceiling diffuser projects 3/16" from the mounting surface.
- The unit size increases in 3 inches increments beginning with 9 in x 6 in as the smallest available
- Standard finish white for frame and blades. Damper in black color. Painted under electrostatic polyester powder coated system.



Ceiling Diffuser 2 way, 3 way and 4 way air flow

Square Supply Ceiling Diffuser

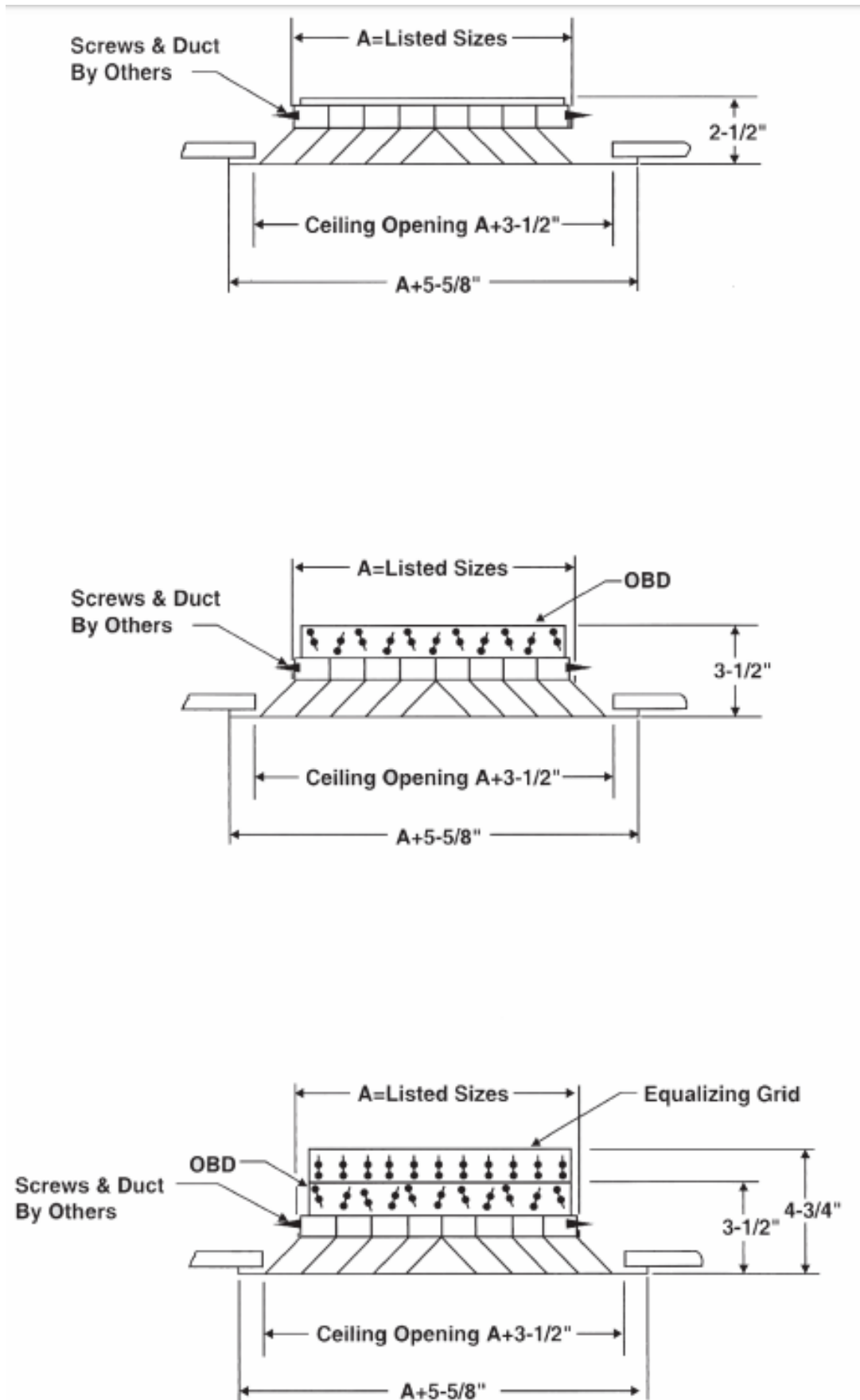


Description:

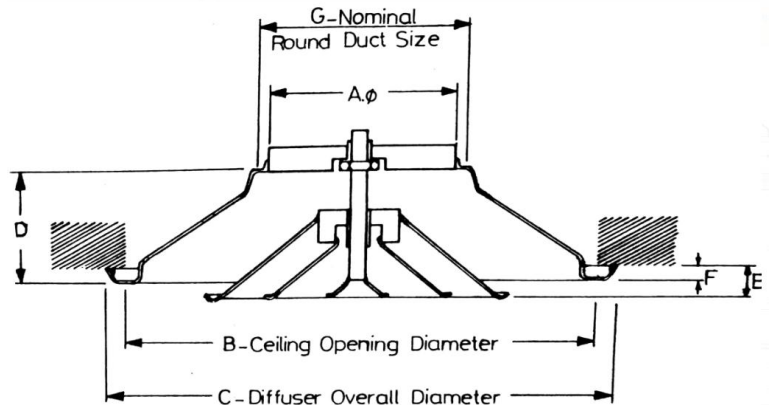
This Model is available with multiple airflow patterns and with volume control damper.

- This model is assembled in two part system. One is the ceiling diffuser, the other is the panel into which the diffuser is mounted.
- The aluminium panel is 1/16" in thickness.
- The frame and blades is extruded aluminum alloy and are polyester powder coated with a white finish.
- The frame and blades have a typical wall thickness of 1/16"
- The inner core of the diffuser is fully removable for easy installation. It is held in place with four machine screw and two spring steel chips which together center the core in frame
- The ceiling diffuser projects 3/16" from the mounting surface.
- The unit size increases in 3 inches increments beginning with 6 in x 6 in as the smallest available
- The opposed blade damper section connects to the frame with screws and is lever operated from the face of the unit.
- The frame of the damper housing is separated from the blades with PVC bushings. This method of assembly eliminates corrosion and vibration.
- Standard finish white for frame and blades. Damper in black color. Painted under electrostatic polyester powder coated system.

Installation Details



Round Ceiling Diffuser

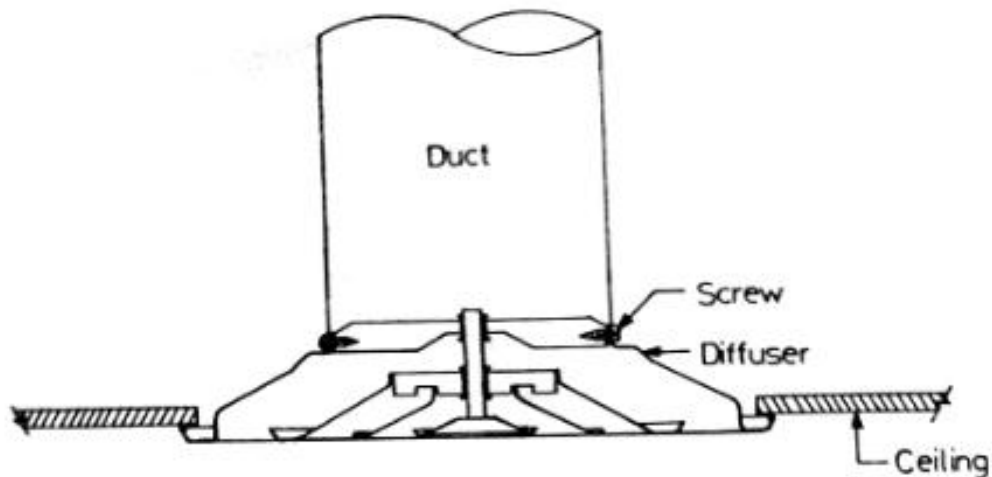


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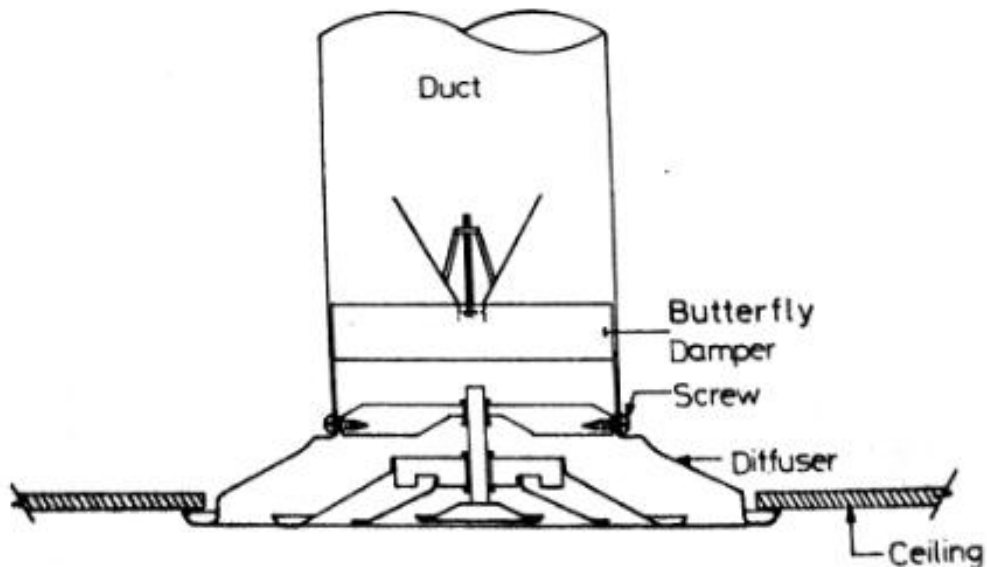
- Supply or exhaust round ceiling diffuser with fully adjustable cores to provide horizontal or vertical air pattern.
- The “UP” Position of the core provides vertical throw and “DOWN” position provides horizontal throw.
- Expanded cones feature gives a high degree of mixing primary and secondary air that provides excellent air distribution and efficiency.
- Remove inner core permit easy installation and access to duct.
- Composed of 2 inner cones for sizes 6”Ø and 8”Ø, 3 inner cones for 10”Ø to 20”Ø.
- Sponge gasket added to prevent streaking.
- Construction: Aluminium
- Standard Finish: White, Painted under electrostatic polyester powder coated system. Other colors available on request. The polyester powder of highest quality is used to enhance the appearance of the units.
- Application Recommendation: Heating, Cooling or Ventilation with temperature differential of 30°F and over requiring wide diffusion effect. For ceiling or exposed duct installation.



Installation Details



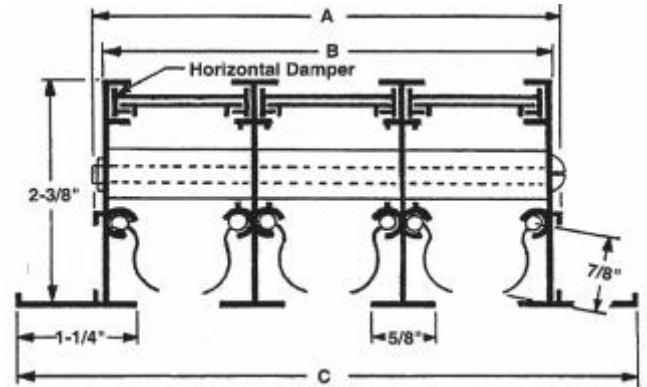
WITHOUT DAMPER



WITH DAMPER

- 1- Inner Outer Cone of the circular diffuser by means of ceiling hangers or with the help of self-tapping screws. Duct joins are then sealed with adhesive tape.
- 2- Central cone assembly can be detached or attached by rotating anti-clockwise or clockwise
- 3- Horizontal or Vertical discharge pattern could be achieved by rotating the central cone clockwise or anti-clockwise directions.
 - a) Rotate the central cone clockwise until you get required horizontal discharge pattern.
 - b) Rotate anti-clockwise to get required vertical discharge pattern.
- 4- Butterfly Damper is attached to outer cone collar of the diffuser. Damper adjustable from the face of the diffuser, rotate anti-clockwise and remove the central cone, then with the help of a screw driver damper can be opened or closed.

Linear Slot Air Diffuser

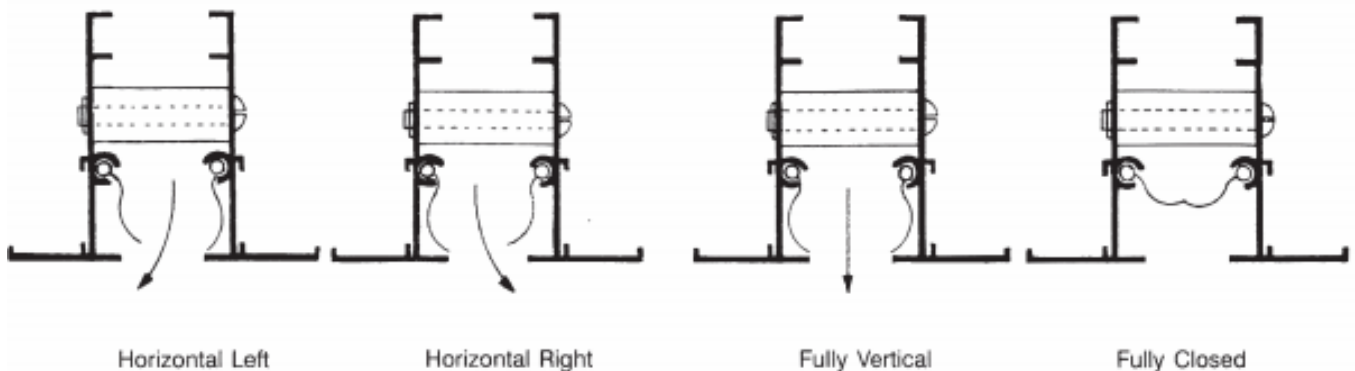


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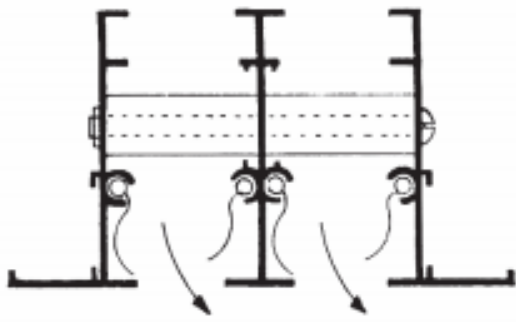
- The linear slot diffuser with deflection blades are control damper is constructed of extruded aluminum alloy and are polyester powder coated finish.
- The fully adjustable deflection blades allow for the air pattern to be controlled along the ceiling, straight down or at some intermediate setting.
- The deflection blades are designed so that when in the closed position, the air pressure tends to form a tight seal.
- The slots are available in $\frac{3}{4}$ " or 1" width
- The air flow rate can be varied without changing the air pattern by the use of volume control attached to the rear side of diffusers.
- The volume control damper consists of two strips of extruded aluminium, one fixed and one movable
- They both have $\frac{5}{8}$ " x $\frac{7}{8}$ " rectangular holes on $1\frac{3}{4}$ " center for $\frac{3}{4}$ " and 1" slot opening.
- By offsetting the holes the airflow rate can be reduced.
- Damper works also as equalizing grid.
- Maximum Length supplied – 10 feet
- Standard finish is white color for slot diffuser and deflection blades. Damper in black color. Painted under electrostatic polyester powder coated system.

Linear Supply Diffuser features Fully Adjustable Deflection Blades. The Deflection Blades provides Combination Air – Pattern, Flow Rate Control and Blank-Off

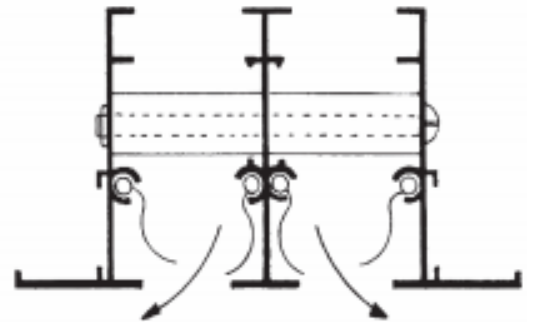
Single Slot Adjustments



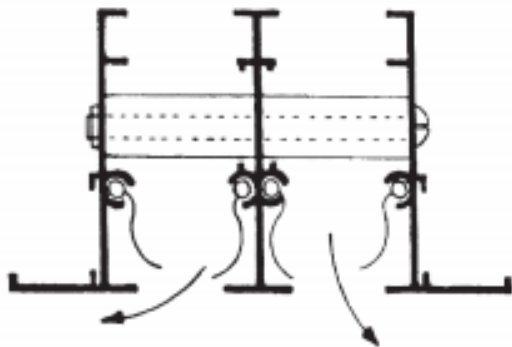
Multiple Slot Adjustments, Up to 8 Slots Wide



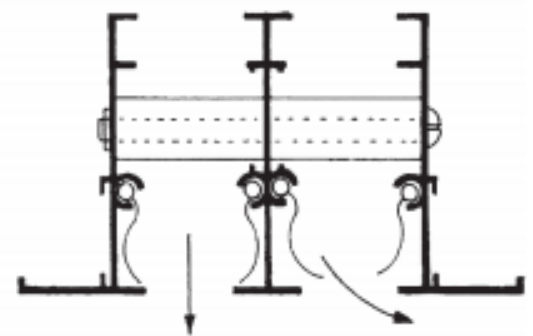
One - Way



Two - Way

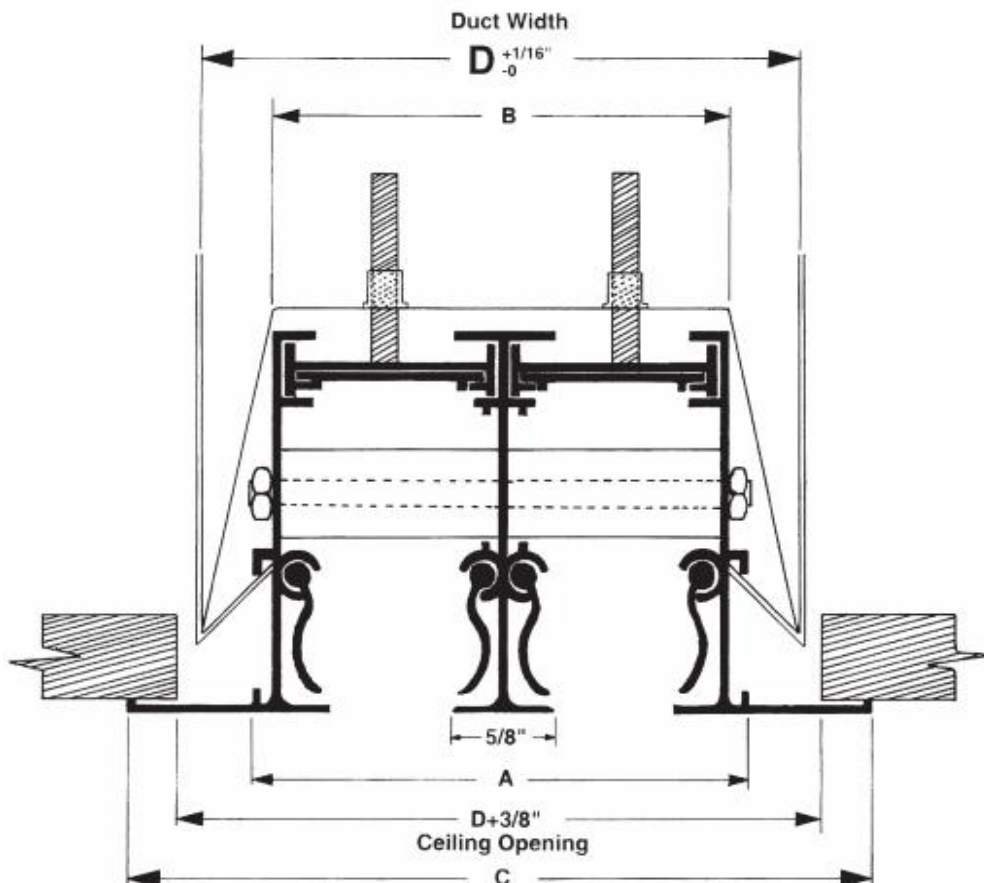


Opposed Imbalance

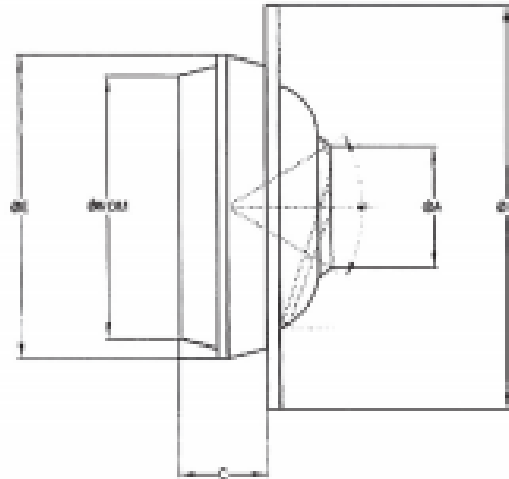


Vertical and Horizontal

Installation Details



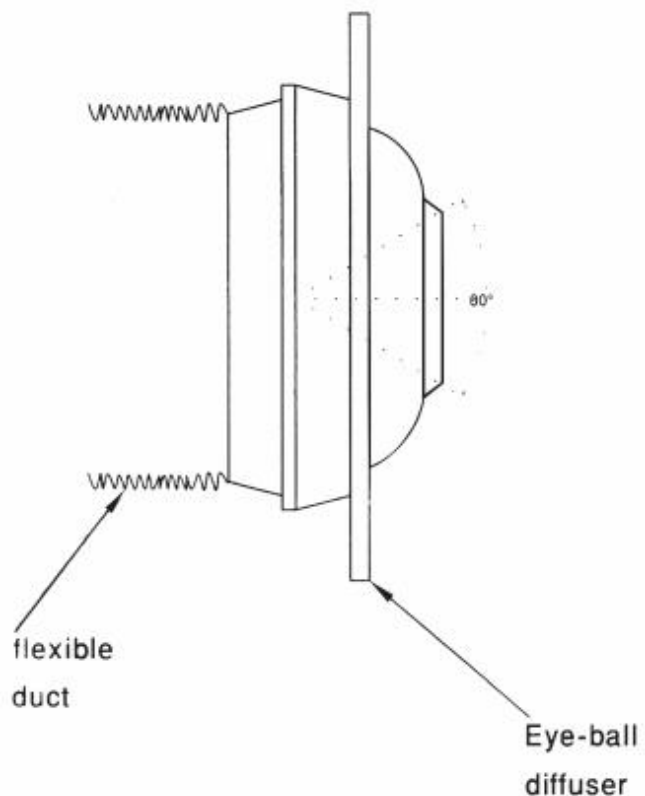
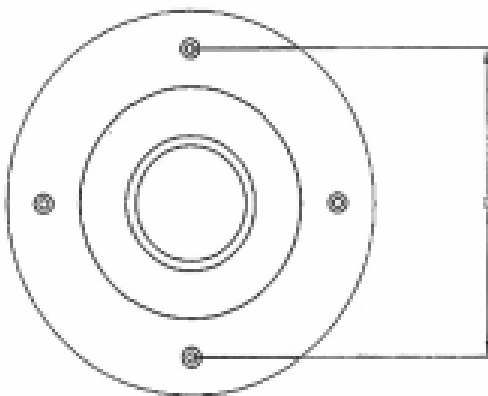
Eye Ball Diffuser

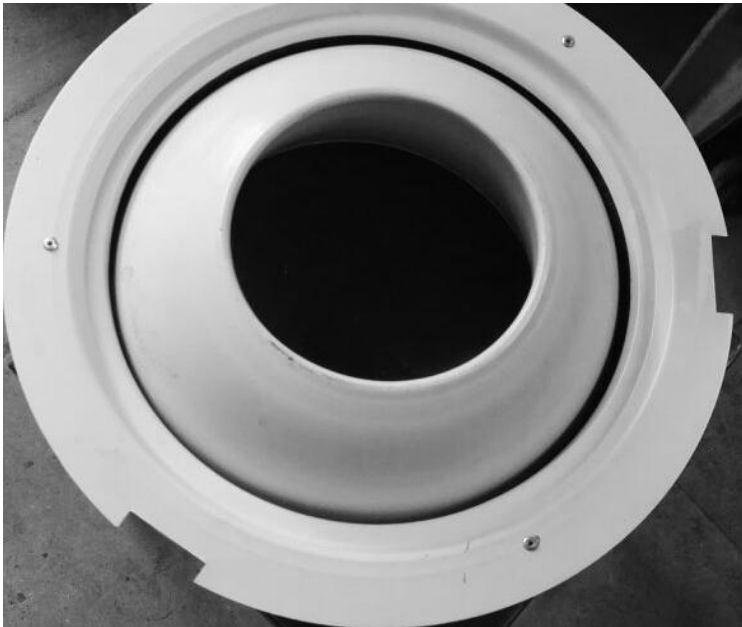


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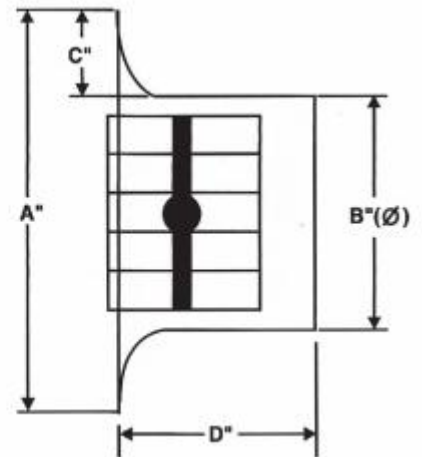
- The turbo nozzle and rings (cores) are aluminum alloy with high quality construction.
- Jet Nozzle are designed to supply air for long distance throw application
- Jet nozzles are used in critical arrears such as concert halls, theatres, airports, museums, malls, sports halls, etc.
- The direction of air stream can be easily adjusted by hand with in a range of $\pm 30^\circ$
- Intended for installation in a connection box, sidewall areas.
- Standard finish is white color for slot diffuser. Damper is black color. Painted under electrostatic polyester powder coated. The polyester powders of highest quality are used to enhance the appearance.

Installation Details





Jet Diffuser



Description:

- The turbo nozzle and rings (cores) are aluminum alloy with high quality construction.
- The inner concentric rings of jet can be adjusted in ways, Vertical and Horizontal.
- Best suitable for places such as Airport, Auditorium, Long Entrances and walk ways (Horizontal Discharge), Gymnasiums and swimming pools, etc.
- The housing and inner rings are designed for high volume long throw application.
- Suitable for sidewall and ceiling mountings from one to four diffuser elements per assembly.
- Standard finish is white, painted under electrostatic polyester powder coated system.
- Available with butterfly Damper as option

Installation Details

