Axial fan silencers are designed to provide noise attenuation at the source, as well as improve aerodynamic performance at the fan inlet and discharge. The AFS provides maximum static regain and a uniform velocity profile to improve system efficiency and reduce energy consumption.
TYPICAL APPLICATIONS

AFS silencers are custom built for close coupling to axial fans and are available for both the fan inlet and discharge for maximum sound attenuation.

CONSTRUCTION OPTIONS

- Material Type
  - 22 gauge
  - 18 gauge
  - 16 gauge

- Material
  - Galvanized Steel
  - Aluminum
  - 304 Stainless Steel
  - 316 Stainless Steel
  - Galvaneal

- Optional Features
  - Paint
  - Fiberglass cloth
  - Flanges
  - Transitions
  - Mounting feet
  - Plastic covered ends for shipping

CUSTOM CONSTRUCTION FOR SUPERIOR SOUND PERFORMANCE

- The AFS pod diameter is built to match the fan hub, providing a smooth air path that increases energy efficiency by reducing system pressure drop.

IDEAL FOR HIGH VELOCITY APPLICATIONS

- The AFS is ideal for applications with high air velocities.
- The internal baffles configuration provides excellent insertion loss across the full range of frequencies, and the curved inlet and outlet of the center pod reduce turbulence to maximize static regain and improve pressure drop.

FIRE RATED

- Class 1 index: flame/smoke < 25/50
- ASTM E84, UL 723, NFPA 255
QUALITY CONSTRUCTION

+ The structural integrity of the AFS design ensures reliable performance at fan velocities up to 6,000 fpm.

+ These silencers are available in various construction classifications to meet the specific requirements of each project. The minimum classification available will depend on the diameter of the silencer.
DIMENSIONAL DATA

AFS silencers are built to match the fan diameter duct dimensions, therefore the diameter and length dimensions for the silencer must always be specified.

<table>
<thead>
<tr>
<th>Diameter 1</th>
<th>Diameter 2</th>
<th>Length</th>
<th>Casing Size</th>
<th>Minimum Casing Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min</td>
<td>Max</td>
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<td>42</td>
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</tbody>
</table>

1. All dimensions are in inches.
2. Length is typically 1, 1.5 or 2 times Dia. 1.
3. Diameter 2 = (Dia. 1 x tan(7.5)) x 2 + Dia. 1.
5. For sizes outside the standard range, please contact your local Price sales rep.
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