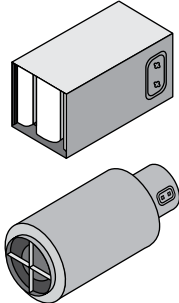
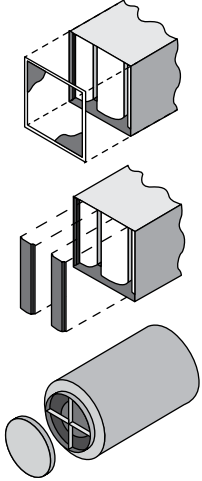
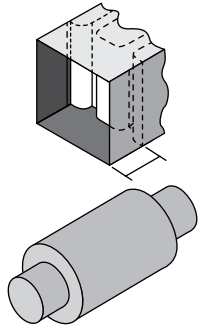
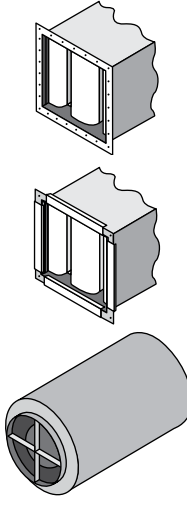
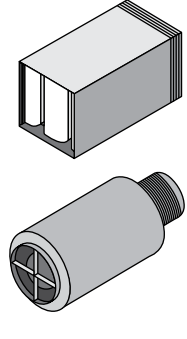
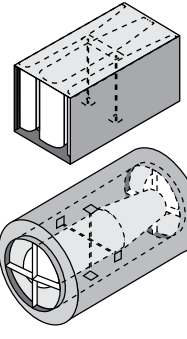
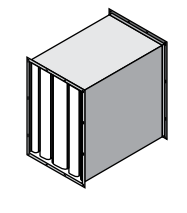
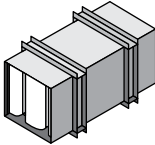
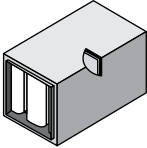
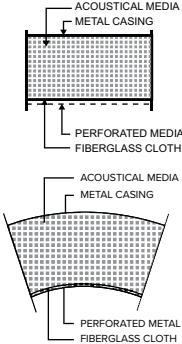
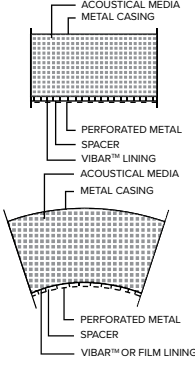



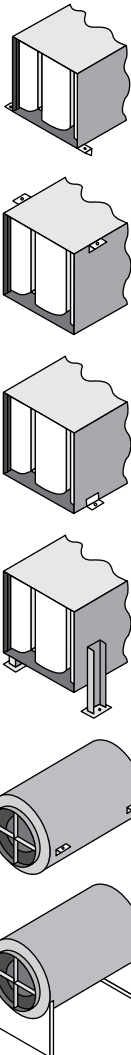
# SPECIAL CONSTRUCTION OPTIONS

CONSTRUCTION OPTIONS	PURPOSE	FEATURES
<p><b>Access Doors</b></p> 	<p>Provide access for silencer inspection, cleaning or resetting of fire damper linkage.</p>	<ul style="list-style-type: none"> <li>&gt; Size and location to suit project requirements</li> <li>&gt; Insulated to prevent condensation</li> <li>&gt; Quick release latches for easy access</li> </ul>
<p><b>Birdscreen</b></p> 	<p>Prevent entrance of foreign objects and debris.</p>	<ul style="list-style-type: none"> <li>&gt; 1" x 1" x 16 gauge mesh standard</li> <li>&gt; Other mesh sizes to suit project requirements</li> <li>&gt; Permanent or removable attachment</li> </ul>
<p><b>Casing Extension</b></p> 	<p>Provide a space between the silencer splitters or centerbody and an adjoining component for improved air flow. Provide a splitter or centerbody-free area for access or inspection through a factory-supplied access door.</p>	<p>Seamless extension of the silencer casing.</p>
<p><b>Connections - Section-to-Section</b></p> <div data-bbox="375 1745 555 1871" style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>SEE INSTALLATION INSTRUCTIONS ON PAGE 77</p> </div>	<p>Provide attachment and sealing for silencer sections.</p>	<p>Connection options are available in the most commonly used types and methods, including "U" strip or drilled flanges and flat bars or rings.</p>

CONSTRUCTION OPTIONS	PURPOSE	FEATURES
<p><b>Transverse Connections - Silencer-to-Adjoining Components</b></p> 	<p>Provide attachment and sealing to adjoining ductwork or components.</p>	<p>Connection options are available for the most commonly used types and methods to suit project requirements, including:</p> <ul style="list-style-type: none"> <li>&gt; Angle flanges with optional bolt holes</li> <li>&gt; Transverse connection systems.</li> </ul>
<p><b>Flex Connections</b></p> 	<p>Reduce vibration transmission caused by air moving devices or turbulence to adjoining components.</p>	<p>Flange or slip connections, available materials including neoprene coated fabric and mass-loaded vinyl.</p>
<p><b>Flow Measuring Station</b></p> 	<p>Provides an alternate system location for flow measurement, useful when insufficient space is available for conventional flow stations.</p>	<p>Flow measuring probes are installed in splitter gaps or the annulus area, as required for reliable measurement. Since gap velocities are higher than duct velocities, measurement accuracy is enhanced.</p>
<p><b>Full Height Splitters</b></p> 	<p>Provides a structural splitter for spanning shafts, reduces the installation cost for plenum silencers by eliminating the need to connect and seal individual silencer sections. Provides an obstruction-free gap.</p>	<p>Uses the shaft or plenum walls as the silencer casing. Factory supplied tracks for accurate splitter positioning.</p>

CONSTRUCTION OPTIONS	PURPOSE	FEATURES
<p><b>Heavy Duty Construction</b></p> 	<p>Meet SMACNA construction standards for high pressure applications or for longer-life products.</p>	<p>Heavier gauges, pittsburgh lock or continuously welded casing seams.</p>
<p><b>High Transmission Loss (HTL) Casing</b></p> 	<p>Increase the transmission loss of the silencer casing to prevent breakout or breakin noise.</p>	<p>Composite construction consisting of media, mass layer and outer protective metal skin, as required, to obtain the specified room noise criterion. Where access doors are required in HTL casings, doors are constructed to maintain the effectiveness of the HTL casing.</p>
<p><b>Materials</b></p> <div data-bbox="371 980 555 1064" style="border: 1px solid black; padding: 5px; text-align: center;"> <p>316L SS</p> </div>	<p>Materials may be selected for the corrosion resistance required for the internal or external environment.</p>	<p>Various grades of galvanized steel, stainless steel or aluminum.</p>
<p><b>Media Protection - Glass Fiber Cloth</b></p> 	<p>Prevents erosion of the glass fiber media due to high velocity or turbulent air flow. Glass fiber cloth is recommended for all dissipative silencer applications where silencers are in close proximity to air moving devices. Commonly used in clean room and other IAQ applications.</p>	<p>Glass fiber cloth weight has been selected for minimal insertion loss degradation.</p>
<p><b>Media Protection - Vibar™</b></p> 	<p>Prevents glass fiber particles from entering the air stream and airborne contaminants from being absorbed in the media. Commonly used in hospital, clean room and other IAQ applications.</p>	<p>Tedar is supplied with an acoustically transparent spacer to minimize the degradation in insertion loss. Tedlar with spacer is a standard feature of RFL, CFL, and REFL silencers.</p>

CONSTRUCTION OPTIONS	PURPOSE	FEATURES
<p><b>One-Piece Construction</b></p>	<p>Increase structural rigidity, reduce installation time, reduce crane lifts and provide factory assembly quality.</p>	<p>All noted options may be incorporated.</p>
<p><b>Removable Splitters and Centerbodies</b></p>	<p>To permit access to adjoining components, periodic cleaning for future replacement.</p>	<p>Splitter tracking and positive fastening for ease of maintenance.</p>
<p><b>Repackable Silencers</b></p>	<p>Provides means of media replacement for IAQ concerns or requirements.</p>	<p>Removable panels, removable splitters or centerbodies, access doors and quick release latches available.</p>
<p><b>Shipping Splits</b></p>	<p>Ship silencer banks in smaller sections to permit building access or reduce section weight as required by site conditions.</p>	<p>Shipping splits can be supplied along the silencer width, height, circumference or length with drilled flanged connections.</p>

CONSTRUCTION OPTIONS	PURPOSE	FEATURES	
<p><b>Special Handling</b></p>		<p>To meet construction, cleaning and packaging requirements associated with clean room applications.</p>	<p>Degreasing of all steel surfaces prior to fabrication, caulking with specialty sealant, degreasing and cleaning after fabrication, and shrink wrapping and skidding for shipment.</p>
<p><b>Support Legs/ Mounting Brackets</b></p>		<p>Provide an attachment means for supporting and hanging the silencers.</p>	<p>Location and dimensions of support legs/brackets as required by field conditions.</p>