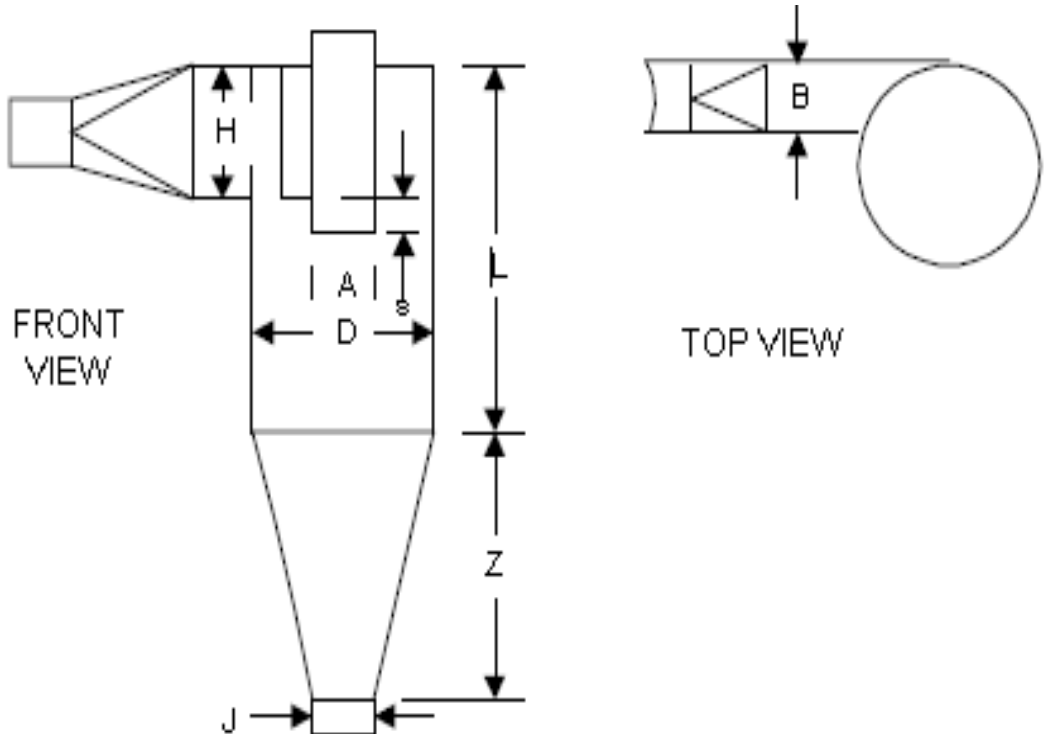


**Texas Commission on Environmental Quality  
Table 10  
Cyclone Separators**

Emission Point No. <i>(from flow diagram)</i> :				
Manufacturer:		Model No. <i>(if available)</i> :		
Name of Abatement Device:		Type of Particulate Controlled:		
<b>Gas Stream Characteristics</b>				
<b>Flow Rate (acfm)</b>		<b>Gas Stream Temperature (°F)</b>	<b>Particulate Grain Loading (grain/scf)</b>	
Design Maximum:	Average Expected:		Inlet:	Outlet:
<b>Particulate Distribution <i>(by weight)</i></b>				
<b>Micron Range</b>	<b>Inlet</b>		<b>Outlet</b>	
0.0-1.0			%	%
1.0-3.0			%	%
3.0-5.0			%	%
5-10			%	%
10-20			%	%
over 20			%	%
<b>Cyclone Characteristics</b>				
Type of Cyclone <i>(check all that apply)</i> :				
<input type="checkbox"/> Wet	<input type="checkbox"/> Dry	<input type="checkbox"/> Single	<input type="checkbox"/> Dual	<input type="checkbox"/> Quadruple <input type="checkbox"/> Multi-clone

**Texas Commission on Environmental Quality  
Table 10  
Cyclone Separators**

Cyclone Characteristics <i>(continued)</i>	
Give Dimensions of Cyclone (inches) <i>See sample sketch</i>	 <p>The diagram shows a cyclone separator with two views. The <b>FRONT VIEW</b> on the left shows a cylindrical body with a conical bottom. Dimensions include: <b>H</b> (height of the upper cylindrical section), <b>A</b> (width of the upper cylindrical section), <b>D</b> (diameter of the upper cylindrical section), <b>L</b> (total height of the cylindrical section), <b>S</b> (height of the lower cylindrical section), and <b>Z</b> (height of the conical section). A small rectangular outlet is shown at the bottom with dimension <b>J</b>. The <b>TOP VIEW</b> on the right shows the circular cross-section of the upper cylindrical section with diameter <b>B</b>.</p>
B:	
H:	
S:	
L:	
Z:	
D:	
A:	
J:	
Method of removal of particulate from cyclone:	
Pressure drop through cyclone (inches water):	
Additional Information	
On separate sheets attach the following:	
<ol style="list-style-type: none"> <li>1. Details regarding principle of operation.</li> <li>2. An assembly drawing (<i>front and top view</i>) of the abatement device dimensioned and to scale clearly showing the design, size, and shape. If the device has bypasses, safety valves, etc., include those items in the drawing and specify when such bypasses are to be used and under what conditions.</li> </ol>	