Valmet condenser and boiler tube shields are designed to minimize tube failure in highly abrasive or corrosive areas. Our many styles insure that you’ll be able to choose the most appropriate design for your application, providing an inexpensive way to prolong tube life.

**Advanced manufacturing facilities mean fast response**

Tube shields from Valmet are manufactured to exacting standards. Advanced equipment and material handling capabilities permit us to offer the fastest turnaround times anywhere.

**Prompt Service - We’ll Supply What You Need, When You Need It**

Valmet is no newcomer to the field of industrial and utility boilers. Our understanding of and commitment to the steam and power generation business enables us to solve your boiler tube erosion or corrosion problems efficiently. Our technical staff can quickly recommend the proper material type and configuration to meet your needs…and can quote your outage delivery requirements on a same day basis. Over 50% of orders can be shipped within 24 hours.
### Straight shields

<table>
<thead>
<tr>
<th>Tube style</th>
<th>Tube diameter</th>
<th>Angle of wrap</th>
<th>Gauge</th>
<th>Material</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>F</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Example**
- **Shape S**: Diameter 2.000
- Wrap 180
- Gauge 10
- Material 304 SS
- Length 48.00

### Curved shields

<table>
<thead>
<tr>
<th>Tube style</th>
<th>Tube diameter</th>
<th>Angle of wrap</th>
<th>Gauge</th>
<th>Material</th>
<th>Degree of bend</th>
<th>Bend radius</th>
<th>Extensions X/Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>OC</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>180° Maximum</td>
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<td></td>
</tr>
<tr>
<td>IC</td>
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</tr>
</tbody>
</table>

**Example**
- **Shape OC**: Diameter 2.000
- Wrap 180
- Gauge 14
- Material 316 SS
- Bend, 90
- Radius, 6.000
- X Extension, 3.000
- Y Extension, 3.000

### Economizer shields

**Special design provides effective protection for fanned economizer tubes.**

<table>
<thead>
<tr>
<th>Tube style</th>
<th>Tube diameter</th>
<th>Angle of wrap</th>
<th>Gauge</th>
<th>Material</th>
<th>Length</th>
<th>Fin height</th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Example**
- **Shape E**: Diameter 2.000
- Wrap, 90
- Gauge, 12
- Material, 316 SS
- Length, 40.00
- Fin, 2.000

### Clips

**Recommended method for tube shield attachment.**

<table>
<thead>
<tr>
<th>Tube style</th>
<th>Tube diameter</th>
<th>Angle of wrap</th>
<th>Gauge</th>
<th>Material</th>
<th>Length</th>
<th>Extension E</th>
</tr>
</thead>
<tbody>
<tr>
<td>CB</td>
<td></td>
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</tr>
<tr>
<td>CW</td>
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</tr>
<tr>
<td>CO</td>
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</tr>
</tbody>
</table>

**Example**
- **Shape CB**: Diameter, 1.000
- Wrap, 180
- Gauge, 12
- Material, 304 SS
- Length, 1.00

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For more information, contact your local Valmet office. [www.valmet.com](http://www.valmet.com)

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