

<b>Material Type:</b>	316L, 304L or 304 Stainless steel	
<b>Dimensions:</b>	<b>ASTM Tube Sizes:</b> <ul style="list-style-type: none"> <li>• .250" x .500"                      • .500" x 750"                      • 1.00" x 1.25"</li> <li>• .375" x 625"                      • .750" x 1.00"                      • 1.50" x 2.00"</li> </ul>	
<b>Reference Documents:</b>	<b>ASTM:</b> A 269, A 479 & A 276 <b>JIS:</b> G 3459	
<b>Tube Lengths:</b>	<b>Nominal lengths:</b> 20-foot, 4-meter, 6-meter	
<b>Manufacturing Method:</b>	<b>Outer Tube &amp; Sleeve:</b> Tubing: <ul style="list-style-type: none"> <li>• 1/2" to 3"                (12.7mm to 76.2mm) Seamless or welded, as directed by customer</li> </ul> Sleeves: <ul style="list-style-type: none"> <li>• Seamless or welded</li> </ul>	
<b>Outer Tube Annealing Process (except sleeves):</b>	Bright annealed	
<b>Tolerances:</b>	In accordance to ASTM: A 269 & A 632	
<b>Interior Surface Electropolished:</b>	<ul style="list-style-type: none"> <li>• A5: 5 micro-inch (.13 micro-meters) Ra max.</li> <li>• A7: 7 micro-inch (.18 micro-meters) Ra max.</li> <li>• B0: 10 micro-inch (.25 micro-meters) Ra max.</li> <li>• C0: 10 micro-inch (.25 micro-meters) Ra.</li> </ul>	
<b>Weld Ends:</b>	Square ends suitable for orbital welding	
<b>Testing &amp; Inspection:</b>	<b>Outer Tube:</b> <ul style="list-style-type: none"> <li>• Visual Inspection</li> <li>• Dimensional Inspection</li> <li>• Outer Tube Leak Testing</li> </ul>	<b>Inner Tube:</b> <ul style="list-style-type: none"> <li>• Per Vallex Specification:                SP-9204, SP-9206, SP-9207,                SP-9220, or SP-9223</li> </ul>
<b>Marking &amp; Traceability:</b>	Inner component is traceable to its producing mill and heat by an identification number.	
<b>Labeling:</b>	Each component's bag is affixed with a label identifying the component's part number, date and Vallex lot number.	
<b>Documentation:</b>	A Quality Inspection Certificate is furnished for the inner tube with each shipment. The report contains the following information: <ol style="list-style-type: none"> <li>a. Material composition &amp; applicable specification designation</li> <li>b. Nominal outside diameter size</li> <li>c. Chemical composition</li> <li>d. Statement of quality assurance testing</li> <li>e. Inspection Certificate type 3.1 per EN 10204:2004</li> <li>f. Lot &amp; heat identification for traceability</li> </ol>	
<b>Packaging:</b>	Assembled product packaged per applicable specification	