MACH Tower Packing

VSP®

Overview:

- VSP®, also known as Arch Ring, has arch slotted from one sheet of metal.
- Its spherical shape offers good surface area to void space ratio.
- The sizes of Arch Ring are proportional in all dimensions for accurate scale-up.
- Heavily ribbed main element provides a robust structure high bed height.
- This type of design helps the liquid to form tiny droplets as it trickles down the packing

<table>
<thead>
<tr>
<th>Nominal Size (in)</th>
<th>1 (25 mm)</th>
<th>1 ½ (40 mm)</th>
<th>2 (50 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Void fraction (%)</td>
<td>96.1</td>
<td>96.4</td>
<td>97</td>
</tr>
<tr>
<td>Geometric Surface Area (ft²/ft³)</td>
<td>53</td>
<td>30.8</td>
<td>20.7</td>
</tr>
<tr>
<td>Weight-SS304(lb/ft³)</td>
<td>24.4</td>
<td>17.5</td>
<td>20.92</td>
</tr>
<tr>
<td>Pcs/ft³</td>
<td>1458</td>
<td>382</td>
<td>190</td>
</tr>
</tbody>
</table>

Material Available: SS304, SS316, SS304L, SS316L, Carbon Steel, Aluminum, Titanium

Benefits

- High strength to weight ratio
- High mass and heat transfer rates
- High throughput capacity
- High flooding point and low wetting point
- Good liquid-gas mixing and distribution
- Virtually no nesting
- Large void space which produces low pressure drop across the bed

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