**Design Limits**

- Vessel: 40 psig/FV @ -20 to 250°F
- Jacket: 90 psig/FV @ -20 to 400°F

**Working Volume**

60-70% of total capacity, depending on product

---

## SR-SERIES

**CONICAL DRYER BLENDER**

### drying technology

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<table>
<thead>
<tr>
<th>Type</th>
<th>SR-100</th>
<th>SR-400</th>
<th>SR-1000</th>
<th>SR-1600</th>
<th>SR-3030</th>
<th>SR-6300</th>
<th>SR-7220</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Capacity [gal]</td>
<td>31.7</td>
<td>125.5</td>
<td>274.7</td>
<td>429.3</td>
<td>800</td>
<td>1717</td>
<td>1906</td>
</tr>
<tr>
<td>Jacket Capacity [gal]</td>
<td>14.5</td>
<td>16</td>
<td>52.8</td>
<td>78</td>
<td>147</td>
<td>250</td>
<td>264</td>
</tr>
<tr>
<td>Heating Area [ft²]</td>
<td>12.5</td>
<td>30</td>
<td>52</td>
<td>72</td>
<td>114</td>
<td>192</td>
<td>203</td>
</tr>
</tbody>
</table>

**Overall Dimensions**

<table>
<thead>
<tr>
<th>Nozzles: ANSI 150# [B,C]</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>B</td>
</tr>
<tr>
<td>C</td>
</tr>
</tbody>
</table>

**Connection for Heating Medium**

| T1 | 1" NPT | 1" NPT | 1" NPT | 1.25" NPT | 1.25" NPT | 1.25" NPT | 1.25" NPT |
| T2 | 1.5" NPT | 1.5" NPT | 1.5" NPT | 2" NPT | 2" NPT | 2.5" NPT | 2.5" NPT |

**Motor Power [Hp]**

| Motor Power [Hp] | 2 | 3 | 5 | 5 | 7.5 | 20 | 20 |

**Speed Variation [RPM]**

| Speed Variation [RPM] | 5 to 28 | 5 to 28 | 3 to 18 | 1.5 to 9 | 1.5 to 6.7 | 1.2 to 6.3 | 1.4 to 6.5 |

**Total Weight [lb]**

| Total Weight [lb] | 4,185 | 4,620 | 7,275 | 9,480 | 13,445 | 24,250 | 25,580 |