Top Loading CCR PID Settings

For low temperature sample stick with 1psi of helium in sample well.

<table>
<thead>
<tr>
<th>Zone #</th>
<th>Zone Limit (K)</th>
<th>P</th>
<th>I</th>
<th>D</th>
<th>Manual Output</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>55</td>
<td>150</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>50W</td>
</tr>
<tr>
<td>2</td>
<td>150</td>
<td>150</td>
<td>10</td>
<td>20</td>
<td>0</td>
<td>50W</td>
</tr>
<tr>
<td>3</td>
<td>200</td>
<td>100</td>
<td>20</td>
<td>30</td>
<td>0</td>
<td>50W</td>
</tr>
<tr>
<td>4</td>
<td>240</td>
<td>75</td>
<td>20</td>
<td>30</td>
<td>0</td>
<td>50W</td>
</tr>
<tr>
<td>5</td>
<td>280</td>
<td>60</td>
<td>20</td>
<td>30</td>
<td>0</td>
<td>50W</td>
</tr>
</tbody>
</table>

For high temperature sample stick with vacuum in sample well.

<table>
<thead>
<tr>
<th>Zone #</th>
<th>Zone Limit (K)</th>
<th>P</th>
<th>I</th>
<th>D</th>
<th>Manual Output</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>375</td>
<td>200</td>
<td>2</td>
<td>8</td>
<td>0</td>
<td>50W</td>
</tr>
<tr>
<td>2</td>
<td>425</td>
<td>240</td>
<td>0.1</td>
<td>8</td>
<td>0</td>
<td>50W</td>
</tr>
<tr>
<td>3</td>
<td>725</td>
<td>240</td>
<td>0.2</td>
<td>8</td>
<td>0</td>
<td>50W</td>
</tr>
</tbody>
</table>

9/29/2006