Manager: Dan Woodie  
Backup: Mike Skvarla

Safety
- No unusual hazards during normal operation

Process Restrictions

Material Restrictions
- None

Parameter Restrictions
- None

Scheduling / Sign-up Restrictions
- Due to the design of the MVD 100, only one precursor can be loaded into the tool at any given time. Check the tool web page before booking your time for a listing of the currently installed precursor. Please provide a 2 - 3 day notice to the tool manager if the precursor needs to be changed.

Requirements (Do Every Time)
- Leave the system pumped down and at the log in screen when you are done.

Prohibitions (Never Do)

Common Problems

<table>
<thead>
<tr>
<th>Problem</th>
<th>Root Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chamber pressure above 30 mtorr</td>
<td>Dirty chamber</td>
<td>Run a 10 minute Oxygen plasma clean</td>
</tr>
<tr>
<td>Residual vapor in expansion volume</td>
<td>Design flaw of tool</td>
<td>Run a dummy process to purge out the lines before loading your sample</td>
</tr>
<tr>
<td>RF plasma fails during run</td>
<td>Unknown</td>
<td>Abort process. Press clear fault button. Run process again. If this continues contact the tool manager</td>
</tr>
</tbody>
</table>

Other Comments or Cautions