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### Notes:
1. Estimated operation:  
   - 11.3V, 20.1A @ 800°C  
   - 13.8V, 22.9A @ 1000°C  
   - 18.2V, 27.5A @ 1200°C
2. The assembly must be leak tight to 1 x 10^-9 cc/sec Helium.
3. This assembly is supplied with the diffusor plate and the heavy sample mounting plate.
4. A set of six support legs have been added to the housing from support during use with a heavy sample.

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**PARTS LIST**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<td>107456</td>
<td>6” Flange Mounted UHV Heater, BOM</td>
</tr>
</tbody>
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**HeatWave Labs, Inc.**

6" Dependex Flange, Water Cooled

Ø4.25 UHV Heater

6" Denpendex Flange, Water Cooled

Heat Shield

Replaceable Ø1/8 Inconel Sheathed Type K Thermocouple Assembly

"Swagelok" Double Ferrule and Nut Fittings

2X Ø.15 Cu Power Feedthru
This View Shown with Diffusor Plate, Insulating Disc, SST Screws and Sample Clips Removed

This View Shown with Heavy Sample Mount, SST Screws and Washers Removed

6X Slots to Help with Thermal Isolation

6" Dependex Flange Mounted Ø4.0 UHV Heater Assembly

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.15 Gap Between Filament and Back Surface of Sample

These Views Show the Heavy Sample Mount Installed

Customer Ø4.0 Sample Plate Held in Place by SST Washers

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