ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.  
ALL PARTS MUST PASS ALL TESTS.  
NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN 0.035 mm (0.0012 in) ARE ACCEPTABLE ON ALL OTHER SURFACES.  
DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON ATMOSPHERE SIDE OF HOUSING.  
9. DIMENSIONS ARE INCHES (millimeters).  

### NOTES:  
1. HE LEAK TEST VACUUM 10X10^-7 CC/SEC OR LESS.  
2. HYPO Across VDC 5.0 MEGOHM MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE.  
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.  
4. ALL PARTS MUST PASS ALL TESTS.  
5. NO VOIDS ARE ACCEPTABLE ON O-RING SEALING SURFACES, VOIDS SMALLER THAN 0.035 mm (0.0012 in) ARE ACCEPTABLE ON ALL OTHER SURFACES.  
6. DIMENSION IS OVER-ALL-LENGTH EXCLUDING OVERFILL ON ATMOSPHERE SIDE OF HOUSING.  
7. REF-OPERATING TEMPERATURE -20°C TO 200°C.  
8. REF-PARTS ARE DEFLASHED ON PARTING LINE +0.001 mm (0.0004 in) MAXIMUM.  
9. DIMENSIONS ARE INCHES (millimeters).  

### ITEM \( \text{QTY} \) \( \text{PART NUMBER} \) \( \text{DESCRIPTION} \)  
<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Part Number</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>5</td>
<td>A/R</td>
<td>SUPER O-LUBE</td>
<td>LUBRICANT ORING SILICONE-BASED</td>
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<tr>
<td>4</td>
<td>1</td>
<td>-010 VITON</td>
<td>O-RING -010 VITON 75</td>
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<tr>
<td>3</td>
<td>A/R</td>
<td>PAVE-Seal 200</td>
<td>EPOXY BLACK</td>
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<tr>
<td>2</td>
<td>8</td>
<td>E3250 LID GREEN</td>
<td>WIRE 32E MIL-W-16878/4 S0 LID</td>
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<td>1</td>
<td>1</td>
<td>0168</td>
<td>HOUSING SP6-E</td>
</tr>
</tbody>
</table>

### Dimensions:  
- Atmosphere: 9.40 ± 0.08 (0.370 ± 0.003) mm  
- Vacuum: 7.70 ± 0.08 mm  
- Atmosphere (max) over/underfill: 0.370 ± 0.03 mm  
- Vacuum (max) over/underfill: 0.303 ± 0.03 mm  
- Atmosphere side: 6.010 ± 0.005 mm  
- Vacuum side: 6.010 ± 0.005 mm  
- Atmosphere: 2.29 ± 0.09 mm  
- Vacuum: 2.62 ± 0.10 mm  

### Part Details:  
- SP6 INSTALLATION PORT  
- TRUARC N5000-37 OR EQUAL  
- RECOMMEND RETAINING RING