NOTES:

1. HE LEAK TEST @ 1 ATM. 1X10^-6 CC/SEC OR LESS. A GREEN PAINT DOT ON THE ATMOSPHERE SIDE OF THE EPOXY INDICATES THE PART HAS PASSED THE TEST.
2. HYDROSTATIC 630 VDC 500 MEGOHMS MINIMUM 0.01 SECOND MINIMUM WIRE TO WIRE.
3. ALL TESTS ARE PERFORMED AT ROOM TEMPERATURE.
4. ALL PARTS MUST PASS ALL TESTS.
5. Wires are not required to bend sharply at epoxy seal surface.
6. Cosmetic surface voids not on O-ring sealing surfaces are acceptable based on the seal's diameter:
   \[
   \begin{align*}
   &\leq 0.5 \text{ [12.7] SEAL DIAMETER: } 0.035 \text{ [0.89] MAX ALLOWED VOID SIZE} \\
   &>0.5 \text{ [12.7] SEAL DIAMETER: } 0.060 \text{ [1.5] MAX ALLOWED VOID SIZE}
   \end{align*}
   \]
7. Dimension is overall length excluding overfill on atmosphere side of housing.
8. Ref-operating temperature -30°C TO 100°C.
9. Ref-parts are deflashed on parting line +0.001 [0.03] maximum.
10. Dimensions are inches [millimeters].
11. PAVE-Seal can be a bi-directional hermetic seal for vacuum and most pressures, for pressures above 150 PSI (10 BAR). Check with sales engineering.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>A/R</td>
<td>FOMBLIN YVAC 3</td>
<td>LUBRICANT O-RING FOMBLIN GREASE</td>
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<tr>
<td>5</td>
<td>1</td>
<td>-010 BUNA</td>
<td>O-RING -010 BUNA 75</td>
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<tr>
<td>4</td>
<td>1</td>
<td>TZ24 WHITE</td>
<td>WIRE 24T.Z MIL 22759/44-42-9 .006 19/#36</td>
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<tr>
<td>3</td>
<td>1</td>
<td>TZ24 BLACK</td>
<td>WIRE 24T.Z XL MIL 22759/32-42-0 19/#36</td>
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<tr>
<td>2</td>
<td>A/R</td>
<td>PAVE-Seal 150</td>
<td>EPOXY BLACK</td>
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<td>0168</td>
<td>HOUSING SP6-E</td>
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</tbody>
</table>

RECOMMENDED RETAINING RING
TRIARC N500-37 OR EQUAL
REPLACE O-RINGS IF REMOVED FROM PORT

SP6 INSTALLATION PORT
SCALE: 2:1

NOTED

[2.6] 0.10
[10.08±0.05] 0.397±.002
[9.55±0.03] 0.37±.001
[7.11] 0.58
[0.74] 0.28
[0.029] 0.20
[7.64 MIN] 0.340 MIN

VACUUM

[500 MIN] 19.7 MIN
[500 MIN] 20 MIN
[7.7] 0.30 *

*SEE NOTE 7