


**PROPRIETARY AND CONFIDENTIAL**  
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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± N/A ANGULAR: MACH ± BEND ± .5° ONE PLACE DECIMAL ± .1 TWO PLACE DECIMAL ± .01 THREE PLACE DECIMAL ± .005 SURFACE FINISH 63 R.M.S.		FINISH:				DO NOT SCALE DRAWING	REVISION																													
<table border="1"> <thead> <tr> <th>NAME</th> <th>SIGNATURE</th> <th>DATE</th> <th>USED ON</th> <th>NEXT ASSY.</th> </tr> </thead> <tbody> <tr> <td>DESIGN/ENG.</td> <td></td> <td></td> <td></td> <td>GEN. USE</td> </tr> <tr> <td>CHK'D</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>APPV'D</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MFG</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Q.A</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		NAME				SIGNATURE	DATE	USED ON	NEXT ASSY.	DESIGN/ENG.				GEN. USE	CHK'D					APPV'D					MFG					Q.A						<b>thermionics laboratory inc.</b> <b>Hayward Ca. 94545</b>
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MATERIAL:		WEIGHT:			DWG NO.	L-100-H-NW25	A3																													
		SCALE: 1:2			SHEET 1 OF 1																															

**SPECIFICATIONS:**  
 \*PORT: NW-25  
 \*MATERIALS:  
 BODY: 304 SST, ELECTROPOLISHED  
 BELLOWS: WELDED AM-350 SST  
 BONNET SEAL: VITON  
 POPPET SEAL: VITON  
 OTHER MATERIALS AVAILABLE  
 ACTUATION: SELF-LUBRICATING BRONZE NUTS WITH ACME THREADS  
 DIFFERENTIAL PRESSURE: MAXIMUM 20 PSIA ACROSS VALVE SEAT  
 MAXIMUM TEMPERATURE VITON SEALS:  
 SUSTAINED: ≤ 150°C [302°F]  
 INTERMITTENT: ≤ 204°C [399°F]  
 VACUUM RANGE: VITON BONNET SEAL: ≥ 1x10<sup>-9</sup> TORR HIGH VACUUM  
 OPTIONS: FITTINGS AND O-RINGS

**NOTES:**  
 1. ALL WELDS TO BE VAC. TIGHT TO 2x10<sup>-10</sup> MIN. SENSITIVITY.  
 2. DIMENSIONS IN [X.XX] ARE IN mm.