


- SPECIFICATIONS:**
- *PNEUMATIC ACTUATION
 - *Ø 6.0" O.D. C.F. FLANGE
 - *WELDED BELLOWS
 - *VITON GATE AND BONNET SEAL
 - *RESPONCE TIME: < 2 SEC
 - *OPERATING PRESSURE RANGE: 1X10⁻¹⁰ MBAR TO 1400 MBAR
 - *DIFFERENTIAL PRESSURE AT OPENING: < 30 MBAR
 - *DIFFERENTIAL PRESSURE ON THE GATE: ≤ 1400 MBAR
 - *LEAK RATE: < 1X10⁻¹⁰ MBAR L/SEC
 - *CYCLES TO FIRST SERVICE: 250,000
 - *TEMERATUE FOR VALVE BODY: < 200 °C
 - *BAKE TEMPERATURE: < 150 °C (CLOSE) & < 200 °C (OPEN)
 - *OPERATING PRESSURE (N2): ~4-7 KGF/CM2
 - *316 SST/304 SST CONSTRUCTION/ACTUATOR: AL 6061-T6
 - *CLEANED TO UHV STANDARDS BY THERMIONICS METAL PROCESSING INC. (TMPI)

NOTE:
1. DIMENSIONS IN [X.XX] ARE IN mm.

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:	 thermionics laboratory, inc.			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					thermionics laboratory, inc. 3118 Depot Rd., Hayward Ca. 94545
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		MATERIAL:		DWG NO.		A3																													
		WEIGHT:		TLG4000-220-11 (600400MT)-1200		SCALE:1:4 SHEET 1 OF 1																													