



**SPECIFICATIONS:**

- \*MANUAL ACTUATION
- \*Ø 6.0" O.D. C.F. FLANGE
- \*WELDED BELLOWS
- \*VITON GATE AND METAL BONNET SEAL
- \*OPERATING PRESSURE RANGE: 1X10<sup>-8</sup> MBAR TO 1200 MBAR
- \*DIFFERENTIAL PRESSURE AT OPENING: ≤ 30 MBAR
- \*DIFFERENTIAL PRESSURE ON THE GATE: ≤ 30 MBAR
- \*LEAK RATE: < 1.3X10<sup>-9</sup> MBAR L/SEC
- \*CYCLES TO FIRST SERVICE: 100,000
- \*TEMPERATURE FOR VALVE BODY: ≤ 200 °C
- \*BAKE TEMPERATURE: ≤ 150 °C (CLOSE) & ≤ 200 °C (OPEN)
- \*SST CONSTRUCTION
- \*CLEANED TO UHV STANDARDS BY THERMIONICS METAL PROCESSING INC. (TMPI)

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

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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
<p><b>thermionics laboratory, inc.</b></p> <p>3118 Depot Rd., Hayward Ca. 94545</p>					<p>TITLE: <b>GATE VALVE OUTLINE DRAWING, TLG4000, METRIC TAPPED, METAL SEAL BONNET, PNEUMATIC ACTUATION</b></p>	
DESIGN/ENG.	NAME	SIGNATURE	DATE	USED ON	NEXT ASSY.	<p>DWG NO. TLG4000-220-21 (600400MT)-1200</p> <p>SCALE: 1:4</p> <p>SHEET 1 OF 1</p>
CHK'D					GEN. USE	
APPV'D						
MFG						
Q.A						
				WEIGHT:		A3