

SPECIFICATIONS:

*PORT: \varnothing 2.5" TUBE

*MATERIALS:

BODY: 304 SST, ELECTROPOLISHED

BELLOWS: WELDED AM-350 SST

BONNET SEAL: COPPER

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: $\leq 150^{\circ}\text{C}$ [302°F]

INTERMITTENT: $\leq 204^{\circ}\text{C}$ [399°F]


VACUUM RANGE: METAL BONNET SEAL: $\geq 1 \times 10^{-10}$ TORR HIGH VACUUM

OPTIONS: FITTINGS AND O-RINGS

NOTES:

- ALL WELDS TO BE VAC. TIGHT TO 2×10^{-10} MIN. SENSITIVITY.
- DIMENSIONS IN [X.XX] ARE IN mm.

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DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL \pm N/A ANGULAR: MACH \pm BEND $\pm 5^{\circ}$ ONE PLACE DECIMAL $\pm .1$ TWO PLACE DECIMAL $\pm .01$ THREE PLACE DECIMAL $\pm .005$ SURFACE FINISH 63 R.M.S.		FINISH:				DO NOT SCALE DRAWING		REVISION
DESIGN/ENG.		NAME	SIGNATURE	DATE	USED ON	NEXT ASSY.	thermionics laboratory inc. Hayward Ca. 94545	
CHK'D						GEN. USE		
APPV'D								
MFG								
Q.A							ANGLE VALVE, RIGHT ANGLE, COPPER BONNET SEAL, MANUAL ACTUATION	
							DWG NO.	
							MA-250-H	
							A3	
							SCALE: 1:3	
							SHEET 1 OF 1	