


SPECIFICATIONS:
*PORT: 1/2"
*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: $\leq 150^{\circ}\text{C}$ [302°F]
INTERMITTENT: $\leq 204^{\circ}\text{C}$ [399°F]
VACUUM RANGE: VITON BONNET SEAL: $\geq 1 \times 10^{-9}$ TORR HIGH VACUUM
OPTIONS: FITTINGS AND O-RINGS

NOTES:
1. ALL WELDS TO BE VAC. TIGHT TO 2×10^{-10} MIN. SENSITIVITY.
2. 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		
								<i>thermionics laboratory inc. Hayward Ca. 94545</i>				
		NAME	SIGNATURE	DATE		USED ON	NEXT ASSY.	<i>ANGLE VALVE, RIGHT ANGLE, MANUAL ACTUATION</i>				
DESIGN/ENG.							GEN. USE					
CHK'D												
APP'VD												
MFG												
Q.A					MATERIAL:				DWG NO.		A3	
					WEIGHT:				SCALE:1:2		SHEET 1 OF 1	