


SPECIFICATIONS:
*PORT: $\varnothing 2.12$ " O.D. CF FLANGE
*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 $^{\circ}\text{F}$]
INTERMITTENT: $\leq 204^{\circ}\text{C}$ [399 $^{\circ}\text{F}$]
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 ± 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			
							<i>thermionics laboratory inc.</i> <i>Hayward Ca. 94545</i>					
		NAME	SIGNATURE	DATE		USED ON	NEXT ASSY.	TITLE:				
DESIGN/ENG.							GEN. USE	<i>ANGLE VALVE, RIGHT ANGLE, MANUAL ACTUATION</i>				
CHK'D												
APP'VD												
MFG												
Q.A					MATERIAL:			DWG NO.		A-100-H-CF		A3
					WEIGHT:			SCALE:1:2.5		SHEET 1 OF 1		