

SPECIFICATIONS:

\*PORT: 1.33" O.D. CF FLANGE

\*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:

1. ALL WELDS TO BE VAC. TIGHT TO  $2 \times 10^{-10}$  MIN. SENSITIVITY.

2. DIMENSIONS IN [X.XX] ARE IN mm.

2X  $\phi 1.33$ " O.D. CF  
FLANGE, ROTATABLE  
THRU HOLES

**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:				DO NOT SCALE DRAWING		REVISION					
						<b><i>thermionics laboratory inc. Hayward Ca. 94545</i></b>							
		NAME		SIGNATURE		DATE				<b><i>ANGLE VALVE, RIGHT ANGLE, COPPER BONNET SEAL, MANUAL ACTUATION</i></b>			
DESIGN/ENG.								USED ON				NEXT ASSY.	
CHK'D												GEN. USE	
APPV'D													
MFG													
Q.A										DWG NO.			