

2X Ø2.12" O.D. CF  
FLANGE, ROTATABLE  
THRU HOLES

#### SPECIFICATIONS:

\*PORT: 2.12" 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:

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

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DRAWING IS THE SOLE PROPERTY OF  
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<div>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.</div>		FINISH:				DO NOT SCALE DRAWING		REVISION											
						<div>thermionics laboratory inc. Hayward Ca. 94545</div>													
		NAME		SIGNATURE		DATE				USED ON		NEXT ASSY.		TITLE:  <div>ANGLE VALVE, RIGHT ANGLE, COPPER BONNET SEAL, MANUAL ACTUATION</div>					
DESIGN/ENG.												GEN. USE							
CHK'D																			
APPV'D																			
MFG																			
Q.A																			
														DWG NO.  MA-100-H-CF		A3			
														WEIGHT:		SCALE:1:2		SHEET 1 OF 1	