

SPECIFICATIONS:

*PORT: \varnothing 3" 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 $^{\circ}\text{F}$]

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

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 2×10^{-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.	<i>ANGLE VALVE, RIGHT ANGLE, COPPER BONNET SEAL, MANUAL ACTUATION</i>				
DESIGN/ENG.						GEN. USE					
CHK'D											
APPV'D											
MFG											
Q.A				MATERIAL:			DWG NO. MA-300-H				A3
				WEIGHT:			SCALE:1:3				SHEET 1 OF 1