

SPECIFICATIONS:

*PORT: Ø 1.0" 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: ≤ 150°C [302°F]

INTERMITTENT: ≤ 204°C [399°F]


VACUUM RANGE: METAL BONNET SEAL: ≥ 1x10⁻¹⁰ TORR HIGH VACUUM

OPTIONS: FITTINGS AND O-RINGS

NOTES:

- ALL WELDS TO BE VAC. TIGHT TO 2x10⁻¹⁰ MIN. SENSITIVITY.
- 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: <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-100-H		A3
				WEIGHT:			SCALE:1:2		SHEET 1 OF 1