


SPECIFICATIONS:
 *PORT: 4.62" 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 2×10^{-10} MIN. SENSITIVITY.
 2. DIMENSIONS IN [X.XX] ARE IN mm.

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THERMIONICS LABORATORY INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THERMIONICS LABORATORY INC. IS PROHIBITED.

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
DESIGN/ENG.	NAME	SIGNATURE				DATE	USED ON
CHK'D						ANGLE VALVE, RIGHT ANGLE, COPPER BONNET SEAL, MANUAL ACTUATION	
APPV'D						DWG NO.	A3
MFG						MA-300-H-CF	
Q.A					MATERIAL:	SCALE:1:3	SHEET 1 OF 1
					WEIGHT:		