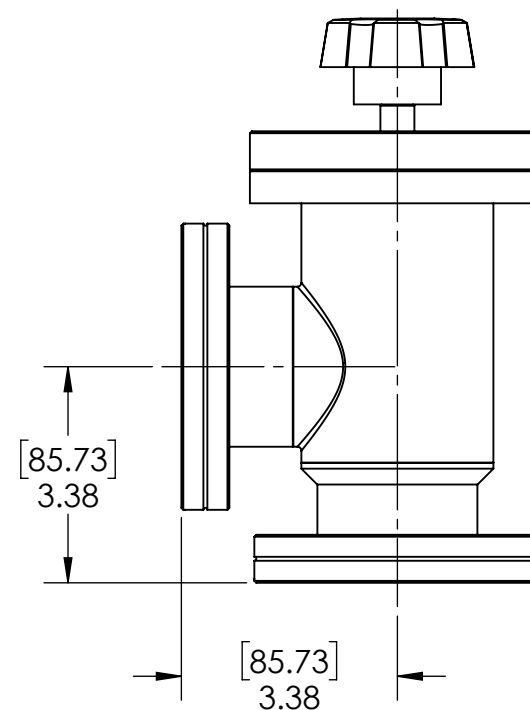
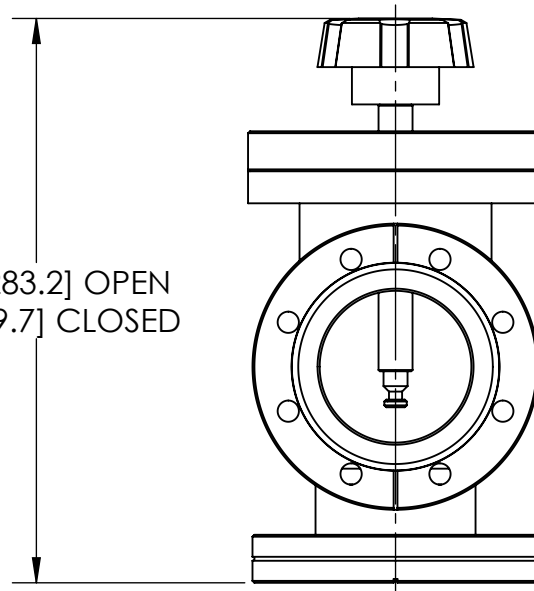


11.2 [283.2] OPEN
8.7 [219.7] CLOSED



SPECIFICATIONS:

*PORT: 4.50" 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:

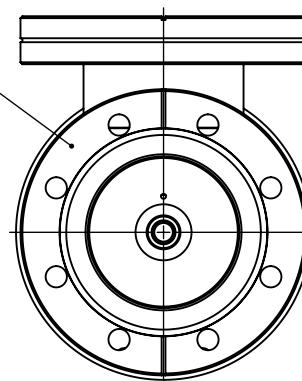
SUSTAINED: $\leq 150^{\circ}\text{C}$ [302 $^{\circ}\text{F}$]

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


2X $\varnothing 4.5"$ O.D. CF
FLANGE, ROTATABLE
THRU HOLES



NOTES:

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

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PROHIBITED.

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL \pm N/A ANGULAR: MACH \pm BEND $\pm .5^{\circ}$ ONE PLACE DECIMAL $\pm .1$ TWO PLACE DECIMAL $\pm .01$ THREE PLACE DECIMAL $\pm .005$ 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:				
DESIGN/ENG.						GEN. USE	<i>ANGLE VALVE, RIGHT ANGLE, COPPER BONNET SEAL, MANUAL ACTUATION</i>				
CHK'D											
APPV'D											
MFG											
Q.A											
				MATERIAL:			DWG NO.			A3	
							MA-250-H-CF				
							SCALE:1:3			SHEET 1 OF 1	
				WEIGHT:							