

NOTES:

1. ASSEMBLY SHALL BE LEAK TESTED USING A MASS SPECTROMETER WITH MINIMUM SENSITIVITY FOR HELIUM OF 2×10^{-10} STANDARD CC/SEC PER LEAK METER DIVISION, SUCH AS

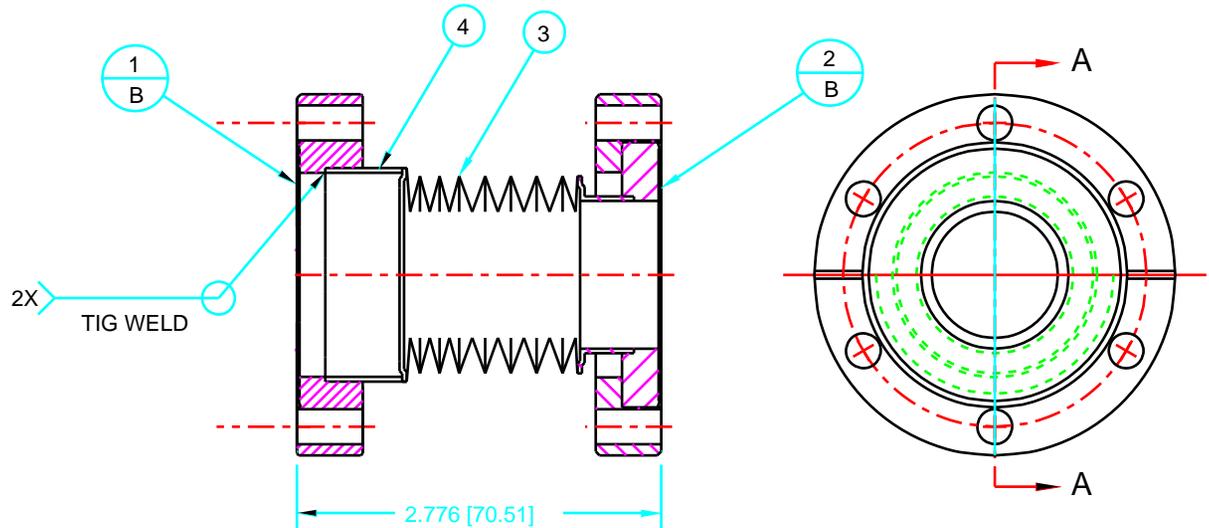
- ALCATEL SAM-110TCL
- Du PONT CEC 24-120B
- VARIAN MS-9, MS-90 OR MS-18

CALIBRATION OF THE LEAK DETECTOR SENSITIVITY SHALL BE PERFORMED JUST PRIOR TO TESTING. 

FINAL TEST WILL CONSIST OF SURROUNDING THE ASSEMBLY (BAGGING) WITH HELIUM. THE ASSEMBLY WILL BE REJECTED IF A 2% DEFLECTION ON THE MOST SENSITIVE RANGE OF THE LEAK DETECTOR IS SENSED WITHIN 1 MIN.

2. KEEP THE ASSEMBLY CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.

3. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY 



SECTION A - A



4		1.625 O.D. X .035 WALL X .62 LG. TUBING	SST	1
3	150-96-8-BE	BELLOWS	SST	1
2	P4105091203-200202	RIGHT BELLOWS FLANGE	SST	1
1	P4105091203-200201	LEFT BELLOWS FLANGE	SST	1
ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY

REF. SOURCE

 STANDARD BELLOWS CO.
375 ELLA T. GRASSO TURNPIKE
WINDSOR LOCKS, CT 06096
1-203-623-2307
FAX: 1-203-623-0398

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES

TOLERANCES

DECIMALS	ANGULAR
.X - .03 [.7620]	- .25
.XX - .01 [0.25]	
.XXX - .005 [0.127]	

SURFACE ROUGHNESS 125 

REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.

SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1

DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5

LOG NUMBER
A2239002

DRAWN BY MUSCIA	DATE 3/13/95	CHIEF DESIGN ENGINEER D. SHU	DATE 5/22/95
CHECKED BY W. YUN / B.LAI	DATE 3/95 / 6/95	GP LEADER M. KUZAY	DATE 5/24/95
DESIGNER MUSCIA	DATE 3/13/95	PROJECT MGR.	
RESPONSIBLE ENGINEER D. SHU	DATE 5/22/95	APPROVED/RELEASED	

MATERIAL
SEE PARTS LIST

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TITLE
**ADVANCED PHOTON SOURCE
Y3 MIRROR MOUNTS ASSEMBLY
FOR SRICAT
2-BM BEAMLINE
BELLOWS FLANGE ASSEMBLY**

2	.62 LG. WAS .87 LG.	MJM		
1	TESTING WAS TRESTING	RAF		7/95
SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

SCALE 1:1		SIZE B	DRAWING NUMBER
SHEET 1 of 1		P4105091203-200200-02	

DO NOT SCALE DRAWING