

# Leak Test: Pressurized Internal Circuits with Vacuum Vessel Evacuated



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## HELIUM MASS SPECTROMETER LEAK DETECTION TEST REPORT

MTM JOB NO.:	00918	
CUSTOMER:	LBNL	
MTM DRAWING/ASSEMBLY/ITEM NO.:	240352	
COMPONENT SERIAL NUMBER:	Box "G"	
COMPONENT DESCRIPTION:	DFBX FEEDBOX	
MSLD TAG NO.:	3069	
CALIBRATED LEAK TAG NO.:	CL-6	
SENSITIVITY ( <input type="checkbox"/> MSLD <input checked="" type="checkbox"/> SYSTEM):	INITIAL 2.2 x 10 <sup>-10</sup> STD, cc/sec	FINAL 2.2 x 10 <sup>-10</sup> STD, cc/sec.
TEST PERFORMED ON SCALE:	1000	
INITIAL READING:	100/1000	
FINAL READING:	100/1000	
LEAK RATE (ATM CC/SEC)	—	
PROCEDURE USED:	<input checked="" type="checkbox"/> MTM-MP-1110 <input type="checkbox"/> OTHER _____	
RESULTS/COMMENTS: (NOTE: Record hood test time vs. MSLD reading in this section.)	Pressurized all "3" internal Circuits <sup>⊗</sup> with 28.8 PSIG, Helium Gas while Vac. shell was evacuated and on the Leak Detector, No leaks Found.	
⊗ See attached sheet for details. • <u>Press. Gage</u> - #PG.-26 / 0-60 PSIG. • <u>TEST Press.</u> - 28.8 PSIG. (.3 MPA) • <u>GAS Used.</u> - Helium.		
OPERATOR:	[Signature] DATE: 12/24/04	
	<input checked="" type="checkbox"/> ACCEPT <input type="checkbox"/> REJECT	

Circuit #1 (pink) includes: EX, MQX2, LD1, LD2, V, and XB lines, pressurized from the MBX2 connection.

Circuit#2 (orange) includes: CC1, CC2, CC3, CY2, DH, E2, LD3, MQX1, MBX1, LHe Tank, HTS Chimneys and VCL Chimneys, pressurized from the CC1 line and DH line in Jumper JC2.

Circuit#3 (green) includes: The MBX2 line pressurized from the MBX2 connection.

(Note: Colors refer the pressure circuit schematic taped to the DXFB-G Assembly)