



SUBJECT: RADIFLO® LEAK DETECTION & FAILURE ANALYSIS SERVICES

IsoVac Engineering, Inc. has been in the leak detection business since 1969, is the owner of the **Radiflo®** trade name for Krypton85 leak detection and several Radiflo patents.

IsoVac maintains a Radiflo **“Leak-Testing”** service laboratory that has provided leak detection services to industry for over three decades. We are very quick, and certainly competitive. We perform both Gross and Fine leak testing for you on small as well as large lots of hermetic devices. IsoVac has tested almost every type of hermetic device for NASA, the Military Agencies, the Space and Aerospace Industries, and Commercial Manufacturers, to the requirements of the MIL-STDS, as well as Specific Company Specifications.

We have many customers who overnight their parts to us, we leak test the devices, certify and return ship in 72 hours. If you require faster turnaround, we can expedite the testing in 24 hours, for most standard test conditions.

Standard Radiflo tests are to a leak rate sensitivity from $\sim 10^{-1}$ to 1×10^{-8} atm cc/sec, Higher sensitivities are also available to as high as 1×10^{-13} atm cc/sec.

In addition to the leak testing of your devices, IsoVac also provides **“Failure-Analysis”** services for the determination of the location of the leak, as well as, hopefully, an indication as to the cause for the leakage. Typical leakage problems are shown below.



The Radiflo® leak test is a nondestructive test that has been included in Military Standards for approximately 40 years. It is commonly applied to all types of electronic parts and explosives, such as are used in air bag components. It is the only leak test reliably applied to hermetic plastic devices to a sensitivity as high as 1×10^{-7} atm cc/sec. The Radiflo process is also the only test that can be reliably used to test devices with a ‘Zero-Cavity’, (contain no internal void). This test is coupled with a patented Krypton85 “Gettering” technique that is being successfully applied to millions of devices per year.

Visit our web site @ www.isovac.com, or send your request directly to IsoVac for a price quotation for Radiflo leak testing.