Dear Valued Customer,

Thank you for your interest in Amptek's FAST-SDD with C-series windows. These are truly the best detectors for analyzing light elements in a SEM/TEM environment.

Please note that this window is delicate. If there is any debris or dust within the vacuum chamber, when the vacuum is released, the air stirring can cause those particles to be accelerated and they can impact the window. This will puncture the window which will reduce the effectiveness of your detector, or even stop it from working.

Please be diligent about cleaning your vacuum chamber when using your XRF detector with a C-series window. The smallest dust particle can cause damage!

Another method to protect your detector is to reduce the vacuum levels slowly. Every machine is different in how to do this, but options are:

- Open the vacuum release valve slowly.
- Install a filter in the vacuum release line.
- If your machine has a suitable mechanism, put a protective barrier in front of the window when it is not in use.

Kind regards

Amptek Inc

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