



Introduction



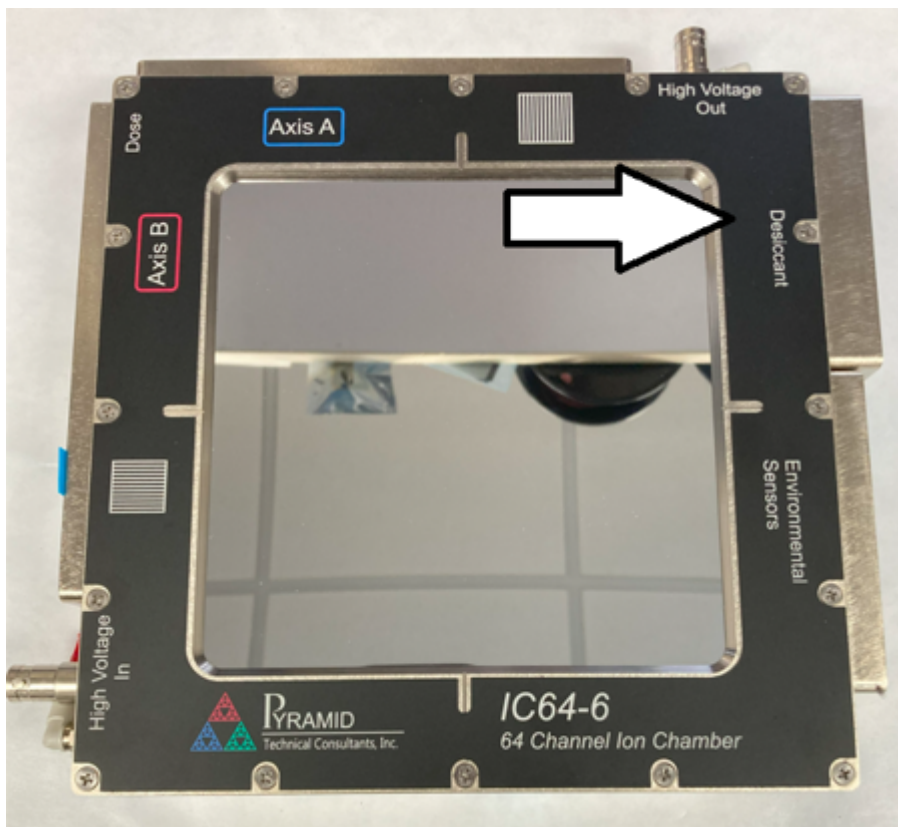
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Owner	Manufacturing Lead
Purpose	Describe proper replacement instructions for desiccant packs.
Scope	Small ion chambers
Intended Audience	Owners of ion chamber devices with user serviceable desiccant.
Process	NOT APPLICABLE
Training	NOT APPLICABLE



Desiccant Replacement

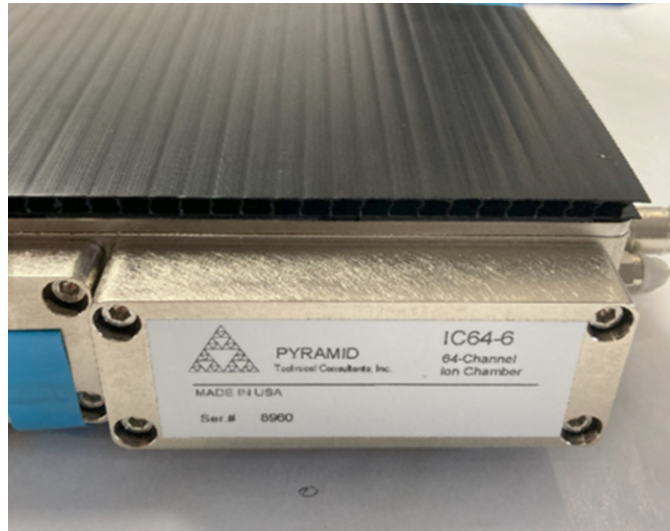
1. Dismount the ion chamber and carefully place it connector-side down on a clean, soft surface. Cover the windows with protective paper or cardboard.



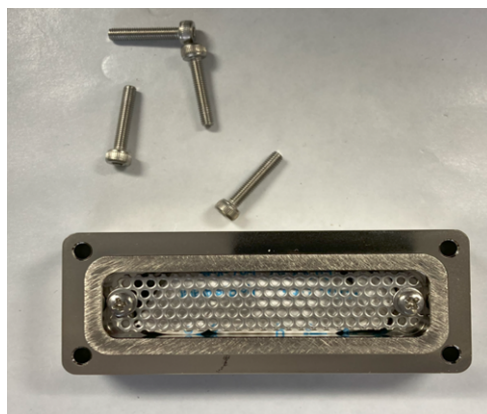
2. Prepare the replacement parts:
 - a. Locate the desiccant replacement package. Ensure the contents have not expired by observing the "use by" date and once the package has been opened, observe the humidity indicator card inside.
 - b. Locate the Desiccant Port Cover on the Ionization Chamber. In most cases it will be annotated on the decal.
 - c. Tools required: 2.5mm Allen Wrench, Phillips head screw driver size PH1



3. The desiccant is located inside the **Desiccant Port Cover**. Remove the cover using a **2.5 mm Allen wrench**. Start by slightly loosening each screw in a rotary pattern, then keep working around the pattern until the screws are loose. Remove the screws and retain them.



4. Carefully remove the panel. Place it on the table with the desiccant facing up.
5. Remove the cover mesh if applicable, retaining the screws and lock washers.
6. Remove the old desiccant packets and discard. Replace with the new packet(s).



7. Wipe the "O"-ring and "O"-ring mating surface with a clean lint-less wipe.



8. Make sure that the packets are clear of the mounting surface, and if applicable, replace the cover mesh. Replace the screws and lock washers, tightening securely.
9. Replace the panel on the IC. The panel does not have a particular orientation.
10. Replace the mounting screws, and lightly tighten. In a rotary pattern, gradually tighten the screws until secure.
11. Monitor environmental conditions.
12. **Do not run beam until internal humidity is below 10%**




DESICCANT REPLACEMENT COMPLETE



Document Control

Approvals

This document has been reviewed and approved as follows.

 **Document Control** Not Reviewed

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No reviewers assigned.

Signatures

For most recent document version
Wednesday, Mar 6, 2024, 08:29 PM UTC
Nicolas Dart signed ; meaning: Authorship

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Harvey Jules Nett signed ; meaning: Approval

Revisions

Version	Description	Saved by	Saved on
v1	Instructions for replacing desiccant on small IC's	Nicolas Dart	Mar 6, 2024 8:25 PM