

CO² Leak Test Procedure

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NOT FINISHED WORK IN PROGRESS

Procedure

- Straw Prep
- Leak Testing
- Straw Cleanup
- Data Analysis and saving to database

Straw Prep

- Take straw from packaging



Straw Prep

- Remove paper in straw.

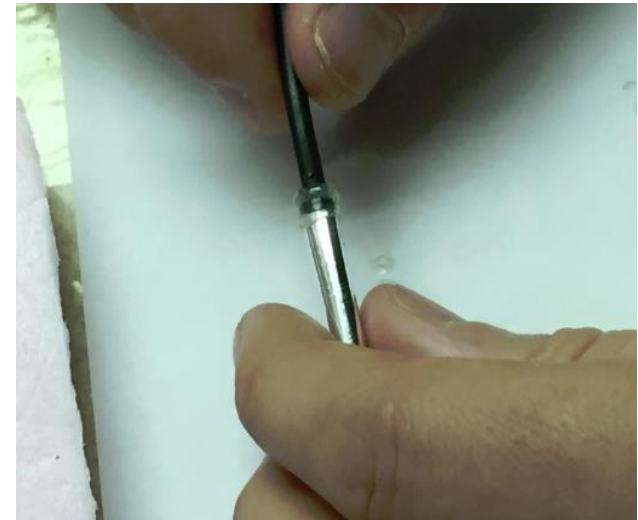
Twist both ends of paper to reduce inner radius of paper spiral so it does not drag across the inner lining of the straw. Carefully pull paper out.



Straw Prep

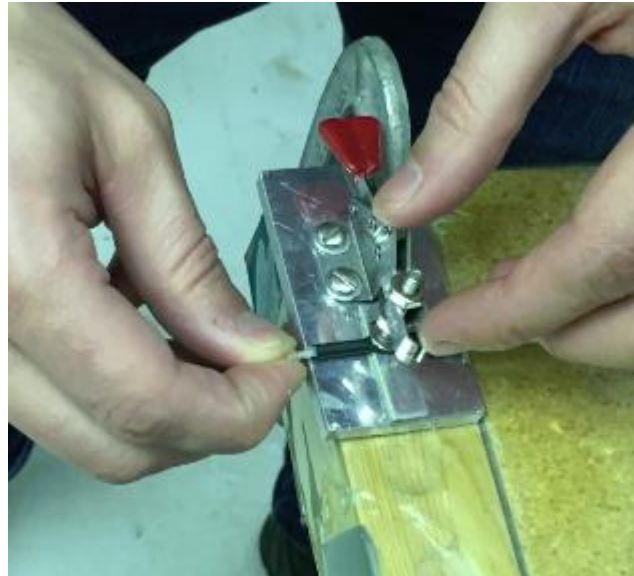
- Use DP110 epoxy (10 min epoxy) to attach end pieces to straw.

Carefully mix the epoxy. Apply the epoxy to the endpiece. Install endpiece onto straw, twisting to ensure epoxy is evenly spread. When installing some epoxy should roll out onto the endpiece. Wait 20 minutes for epoxy to dry to handling strength.



Straw Prep

- Flush straw with 50% CO² 50% Argon mix
- Clamp far end and attach stopper
- Pressurize straw to 15 psi over ambient air pressure.
- Clamp injection end, remove gas feed, stopper end



Straw Prep

- Label Straw (marker on straw is easy when pressurized)
- Label plastic containment tube (Barcode labeler and scanner)
- Put straw into containment tube

