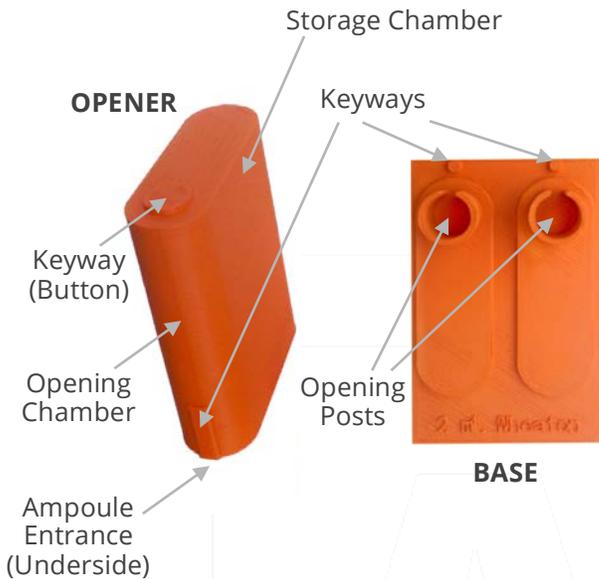


AO⁺ Safety Instructions

The AO⁺ consists of the Opener and the Base.



Opening Posts: For securely holding glass ampoules during preparation, opening, and while withdrawing contents from inside the ampoule.

Ampoule Entrance: A hole on the bottom of the Opener into which ampoules enter and ampoule heads exit.

Keyways: Markers, which should always be aligned. The Opening Post Keyways is also used to align the dot on Micro Scored ampoules for correct opening.

Storage Chamber: A compartment for storing ampoule heads that have been successfully broken off an ampoule's body during opening.

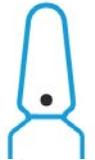
Opening Chamber: A compartment where an ampoule is opened during normal use of the AO⁺.

Correctly Matching the AO⁺ to a Specific Ampoule

Each AO⁺ is designed to accommodate a specific type of ampoule – whether micro or fully scored and regardless of size. Please ensure you are using the correctly matched AO⁺ for the ampoule you plan to open. Visit www.theampouleopener.com and consult the model directory if you are unsure.

Fully Scored Ampoules: Have (a) painted ring(s) and a clear 360° score mark around the neck. No special directional requirements needed. *To open, place ampoule into the AO⁺ Ampoule Post – head side up – and follow opening instructions.*

Micro Scored Ampoules (DIN or OPC): Typically have a painted dot on the neck area of the ampoule (as shown on the right). *To open, place ampoule into the Ampoule Post – head side up – and align the ampoule's dot directly with the center of an Ampoule Post's Keyway. Then follow standard opening instructions.*



Opening an Ampoule

Prepare your equipment on a clean stable surface and be sure to wear gloves for additional protection.

1. Place a correctly sized ampoule – head side up – into an Ampoule Post on the Base. (When opening Micro Scored ampoules, align the dot of the ampoule with the Keyway on an Ampoule Post.)
2. Grasp the Opener with your gloved fingers and lift the Opener vertically. **Ensure there is sufficient capacity in the Storage Chamber and visually inspect the Opening Chamber through the Ampoule Entrance to ensure there are no obstructions before continuing.**
3. Align the Opener's and Ampoule Post's Keyways.
4. Gently lower the Opener over and down the ampoule in a vertical upright manner until the Opener is nearly touching the Base. At this point you will encounter *slight* resistance.

5. Apply slight downward pressure on the Opener until you hear a “click” sound and the Opener is in full contact with the Base.
6. Lift the Opener vertically and return it to an Ampoule Post on the Base for storage. The ampoule’s contents can now be withdrawn.

NOTE: THE OPENER’S STORAGE CHAMBER CAN HOLD 2 TO 3 HEADS BEFORE NEEDING TO BE EMPTIED.

Disposing a Used Ampoule Body

There are two methods to dispose of a used ampoule body from the AO⁺ Base once ampoule content has been withdrawn. It is recommended to use gloves regardless of method for additional safety.

1. **Dropping Body (Safer Method):** Remove the Opener from the Base and place it on clean stable surface. Carefully take the Base and invert it over a sharps container so the used ampoule body falls directly into the sharps container’s opening. Return the Base to stable storage location and place the Opener on an Ampoule Post.
2. **Lifting Body:** Pick up used ampoule body with gloved fingers and dispose in sharps container. Exercise caution and avoid handling the sharp edges generated while the ampoule was opened.

Emptying the Storage Chamber

1. Vertically lift the Opener directly off of the Base and bring it to a sharps container.
2. Holding the Opener in one hand, point the Opener Button towards the ground at a 60° angle. You will hear the ampoule heads fall to the fully closed end of the Opener.
3. While keeping the angle constant, rotate the Opener so that the Opener Button and Keyway are

facing the ground. You will hear ampoule heads fall out of Storage Chamber into the Opening Chamber.

4. Hold the Opener over a sharps container and rotate it lengthwise towards the sky so the ampoule heads fall out of the Ampoule Entrance and into the sharps container.
5. Repeat steps 1 through 4 until the Storage and Opening Chambers are completely empty.
6. Visually inspect the Opener’s Ampoule Entrance for any glass particles and clean as necessary. Return the clean empty Opener to an Ampoule Post.

Cleaning Your AO⁺

The AO⁺ is best cleaned with a damp lint-free towel and mild detergent. Should you encounter stubborn dirt, a soft bristled brush may be used to aid in the cleaning process. Allow the device to air dry before use.



TEMPERATURE WARNING

Structural damage to the AO⁺ will occur at temperatures above 70° C (160° F). Please contact sales@theampouleopener.com for technical questions.

Thank you for using our products.

For information or if you wish to offer a testimonial, please contact: sales@theampouleopener.com.

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A Word of Caution: There is inherent risk in opening glass ampoules. AO⁺ is designed to minimize risk, yet variances among manufacturers, glass quality, and dynamic forces inherent in opening glass ampoules can produce unpredictable results. Always exercise caution when handling and opening glass ampoules.
