

## Daily Cleaning Instructions: KL15 Series

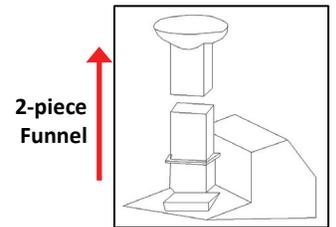
Clean the following components at least once daily. Clean more frequently if your pharmacy dispenses many dust-generating medications or if you experience counting errors.

Materials: Distilled water, 70% isopropyl alcohol, mild soap (e.g., dish soap), lint-free cloth or paper towels. Do not use facial tissue, cotton balls or cotton swabs.

Before starting, turn off the unit and unplug it.

### 1. Top Funnel

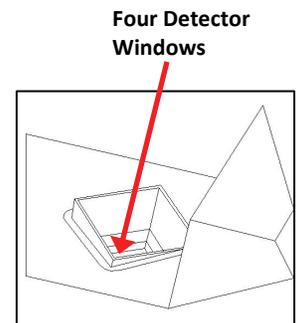
- A. Remove the top funnel and channel from the unit.
- B. Clean outside and inside thoroughly with mild soapy water or alcohol.



### 2. Glass Detector Windows

The unit's counting sensors are located behind four glass windows inside the square funnel hole. **Most counting errors are caused by pill dust accumulating on the edges and corners of the glass windows. Clean the windows well.**

- A. Wipe off excess pill dust on the four glass windows with a **dry** cloth.
- B. Wet a clean cloth with mild soapy water or alcohol and clean the inside of the four glass windows thoroughly to remove all remaining dust and residue. Carefully wipe back-and-forth, not up-and-down. Do not press hard as this may break the glass windows.
- C. Wipe glass windows dry with clean cloth to remove streaks.



NOTE: If your unit has a clear detector window assembly (not black), clean with eyeglasses cleaner, **not alcohol**. Contact Kirby Lester service for questions at 800.243.2465 or [service@kirbylester.com](mailto:service@kirbylester.com).

### 3. Counting Tray (KL15e, KL15es, KL15i only)

- A. Carefully remove the clear plastic tray cover. Clean all parts thoroughly with a water-dampened cloth (not alcohol). Wipe dry. Replace the tray cover.
- B. Turn the tray over, and wipe the silver sensor strip with a water-dampened cloth (not alcohol).

### 4. Tray Sensor (KL15e, KL15es, KL15i only)

- A. (Located on the bottom of the unit in back of the counting tray.) This sensor detects the tray's silver sensor strip, telling the unit that the tray is properly seated.
- B. With the counting tray removed, tip the unit carefully to access the tray sensor. Clean with a water-dampened cloth (not alcohol).



**5. Black Lower Funnel (KL15df only)**

- A. Unscrew the black lower funnel. Clean the interior thoroughly with mild soapy water or alcohol. Dry black funnel’s interior thoroughly.
- B. Clean the silver exit gate with mild soapy water or alcohol. Dry thoroughly.
- C. Reassemble only when parts are dry.

Note about the use of mild soapy water versus isopropyl alcohol: Mild soapy water and alcohol both provide appropriate sanitary cleansing. Water leaves fewer streaks on a Kirby Lester device's inside glass sensor windows than alcohol. If streaks are found after cleaning, use just water and wipe dry. In general, prolonged alcohol exposure causes faster wear-and-tear on plastic.

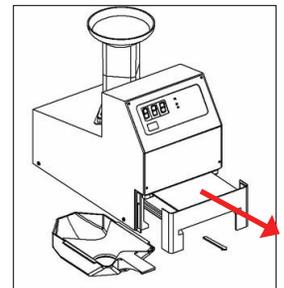
**6. Cleaning and Troubleshooting**

<b>Problem or Error Code</b>	<b>Probable Cause</b>	<b>Possible Solution(s)</b>
E-2, E-4, E-5, E-6, E-9, O-S or unit counts by itself	Tablet dust or residue on glass detector windows, or possible cracked glass detector window.	Clean glass detector windows thoroughly. Or replace cracked glass detector window assembly (incl. 4 windows).
Overcounts	Tablet fragments, or tablet dust on glass detector windows.	Check counted medications for tablet fragments. Clean glass detector windows thoroughly.
Undercounts	Pouring too fast, or pouring tablets directly into the funnel hole.	Slow pouring speed so the “Pour Slower” indicator does not activate.
KL15e, KL15es, KL15i Only: Display reads “---” instead of “000” with tray pushed in	Tray not fully inserted. Tray sensor window is dirty. Silver sensor strip on bottom of tray is peeling or worn.	Fully insert counting tray; Clean tray sensor window; If the silver sensor strip is frayed or damaged, request a new silver strip from Service.
KL15e, KL15es, KL15i Only: Display flickers	Tray sensor window is dirty.	Clean tray sensor window.

**7. As Needed: Cleaning the Exit Front (KL15e, KL15es, KL15i only)**

Periodically, the exit front may need cleaning to clear the counting tray’s guide tracks.

- A. To remove, hold the exit front at both sides and pull firmly so that it releases from its locked position. Slide the exit front out.
- B. Clean the guide tracks and exit front with water. Dry thoroughly.
- C. To replace the exit front, slide it back into the machine until it locks in position.

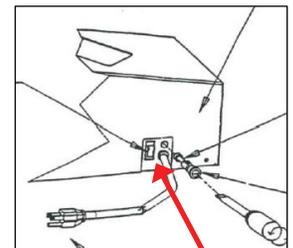


**8. Changing The Fuse (Older Units Only)**

This applies only to older units with a hard-wired power cord. If your unit experiences loss of power, or the unit will not stay on, the fuse may need to be changed. Units with a detachable power cord do not have a fuse.

Unplug the Kirby Lester unit.

- A. Unscrew the fuse (located behind power cord) with a flat screwdriver.
- B. Replace with a 250v/300 milliamp fuse (slo-blow).



**9. Questions or Problems**

Please contact Kirby Lester Service at 800.243.2465 or [service@kirbylester.com](mailto:service@kirbylester.com).