



Flix 12VDC Induction Heater Quick Start Guide

Thank you for purchasing a Flix™ induction heater!

To use the Flix:

1. Connect to ~8VDC to 12VDC power source. The tip is wired center = positive!
2. Turn the power switch to On.
3. Insert the Dynavap into the coil and activate the heater, either by pressing the obvious silver button or by pressing the Dynavap towards the base of the coil.
4. Remove when the Dynavap clicks, or to taste.

Flix Power Requirements:

- Voltage range: ~8V to 12.5V
- Minimum current @ 12VDC: 10A
- Power tip is center positive
- DC power tip size: Flix uses a 2.5mm x 5.5mm DC power jack; a 2.1mm x 5.5mm adapter is also included

Variable voltage power supply info:

Your Flix is designed to run at 12VDC but can also be operated at less than 12VDC if you prefer. Use a variable voltage power supply for low voltage operation. Try heating at various lower voltages (8V, 9V, 10V, etc.) and see if you like the results.

IMPORTANT: The Flix is a light duty heating device! For maximum reliability, the Flix should not be operated continuously for more than 10 seconds!

Other Tips:

The pyrex button that protects the switch is important, and adds considerable heat shielding! This button is glued into place, and care should be taken not to dislodge it. Please contact Fluxer Heaters if it comes loose or you notice it has gone missing!

Externally visible vapor is a common byproduct of using an induction heater. Oils and other materials you touch are easily transferred to the Dynavap and vaporize when heated. Do not be concerned by the presence of visible vapor when using an induction heater. Use isopropyl alcohol to clean any vapor residue.

Smoke, unlike vapor, is a sign of trouble and a cause for concern. If you notice any smoke while using the Flix, stop immediately and contact the manufacturer.

Flix 12VDC Induction Heater Quick Start Guide

The Flix has several internal safety mechanisms, including electrical and thermal power fuses:

- The electrical circuit is protected by 8.5A PTC fuses. These fuses activate if they sense a power draw $>9.5A$. The fuses reset when power is cycled. **Use a 10A-capable power supply to ensure proper fuse operation.**
- The thermal fuse (the gold “brick” near the coil) is rated to $110^{\circ}C$. It will open if it senses a temperature in excess of that, temporarily stopping power to the relay and circuit triggering mechanism. This fuse may be reset by cycling the power off and back on after it has cooled below its trigger temperature, a process that typically takes 30-60 seconds.

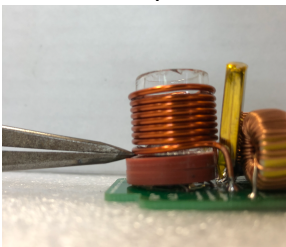
Coil Size Info and Coil Height Adjustment:

Like other Fluxer Heating devices, the Flix’s coil diameter determines how aggressively it heats during a given heating cycle:

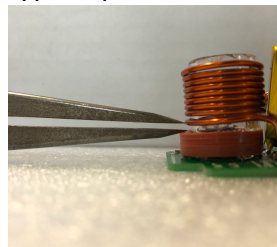
- Smaller diameter coils heat more aggressively than larger diameter coils.
- Thinner walled inserts heat more aggressively than thicker walled inserts.

The duration of the Flix’s heating cycle can be altered by raising or lowering the position of the heating coil. The critical measurement is the distance between the bottom loop of the coil and the tip of the vapcap when it is inside the coil being heated. **Raising the bottom loop of the coil up, above the position of the vapcap’s tip, will increase the time it takes the vapcap to click.** Altering this distance by as little as 1mm or 2mm can make a noticeable difference in your Dynavap user experience!

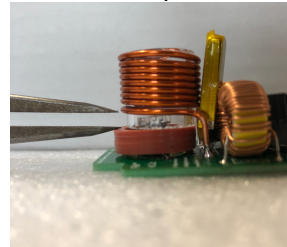
No gap = quickest to click,
the coolest position



In the middle =
typical performance



Large gap = slowest to click,
the hottest position



Use the included $5/64$ ” (2mm) hex wrench to remove the four screws to open your Flix to make this adjustment. Adjust the coil using the same procedure described in this video: “Flux Deluxe coil height adjustment procedure and demo,” <https://youtu.be/QYlfpyd3NHA>

Reassemble after adjustment. If the coil needs to be re-centered, use a Sharpie (or similar non-metallic, non-Dynavap object) to reposition the coil relative to the heater. The copper coil wire is relatively soft and does not require much force to move.