KAN® System - Technical Appendix

Supporting documentation for product review, customs classification, and certification verification.

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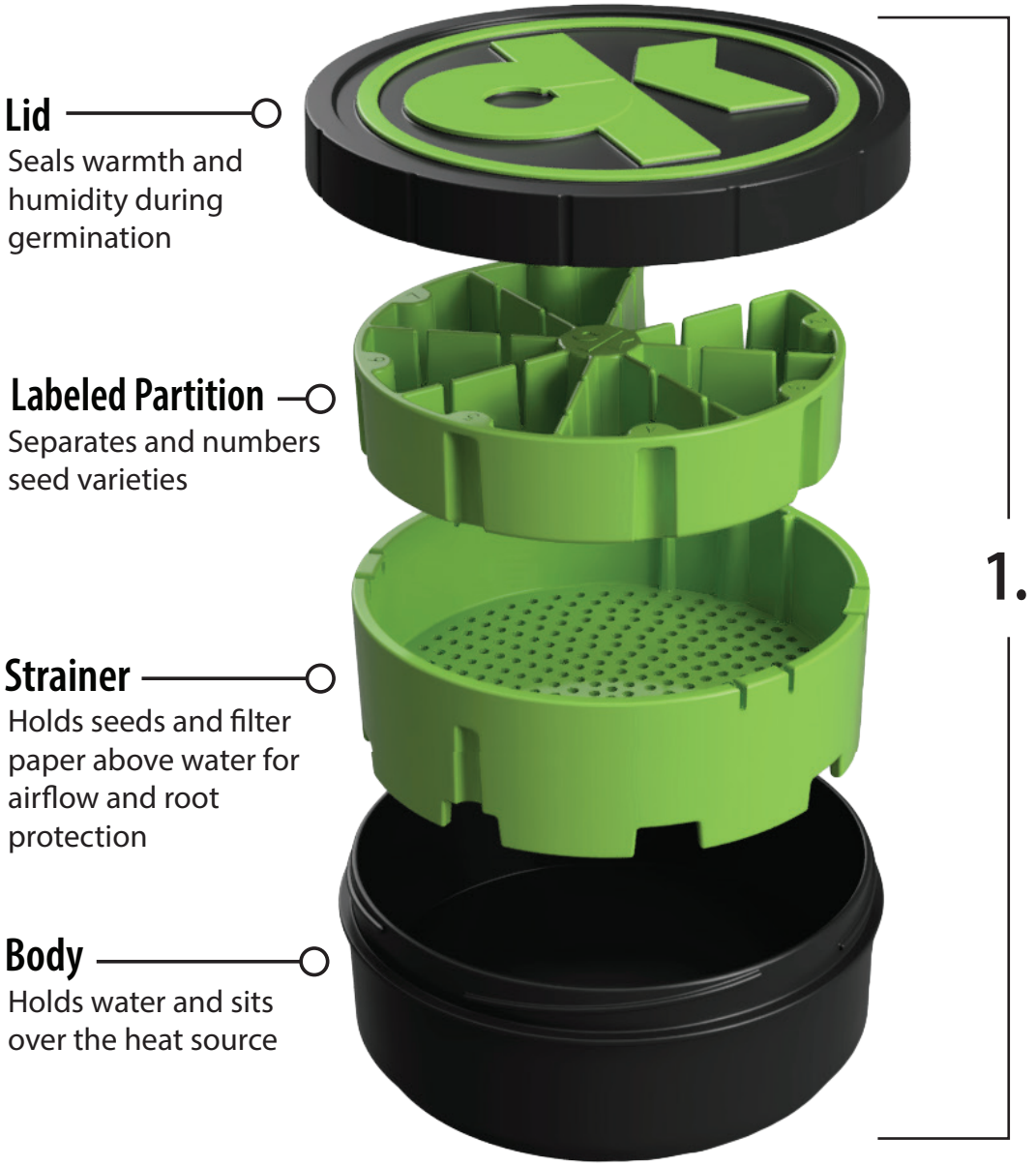
KAN System Components

- **Lid:** Retains warmth and humidity; doubles as a temporary tray.
- **Partition Divider:** Organizes up to 9 seed varieties using a numbered layout.
- **Strainer Insert:** Supports filter paper and seeds for controlled airflow and moisture.
- **Canister Body:** Base reservoir designed to interact with heating pad for convection.
- **Filter Papers:** Lab-grade, qualitative paper for root protection.
- **Seed Tweezers:** Cupped tips for safe handling; integrated dibber for transplanting.
- **Partition Chart & Marker:** Logs variety, type, sex, and start time with reusable chart.
- **FAR Infrared Heat Pad:** CE, MET, FCC, IP67 certified; thermostat-controlled to induce convection.
- **- Cotton Bundle Bag:** Reusable muslin bag for storing and protecting the full system during transport.

System Diagrams

- **Lid** - Seals the system to retain humidity and block light. Can also function as a temporary tray for draining or mid-process handling.
- **Partition Divider** - Removable insert with numbered sections that organizes up to 9 seed varieties. Enables clean separation and tracking during germination.
- **Strainer Insert** - Supports seeds above water for soaking and germination. Allows air and moisture exchange while protecting roots using lab-grade filter paper.
- **Canister Body** - Holds water at the base of the system. Works with the FAR infrared heat pad to promote convection and maintain stable germination conditions.

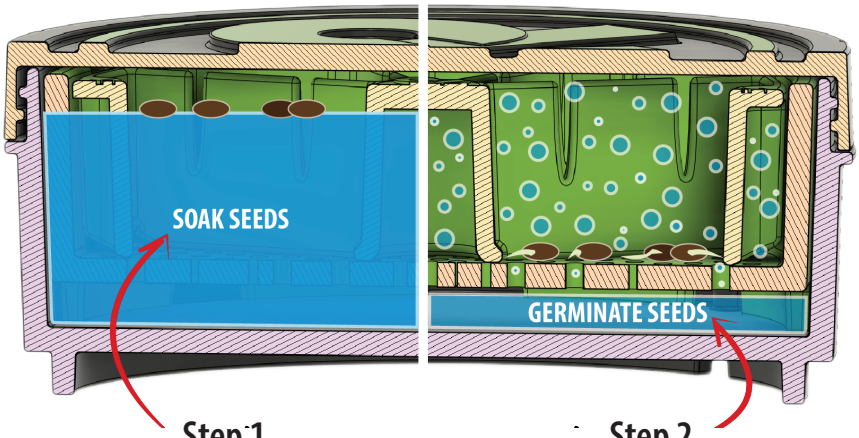


Exploded View of the KAN Components

KAN® System - Technical Appendix

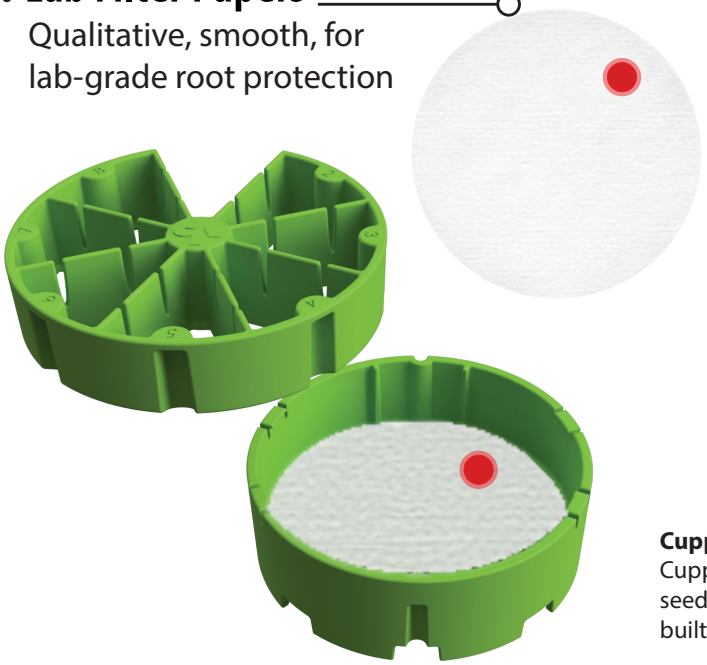
Soak, Germinate, Handle & Catalog Seeds Safely

Soak & Germinate



2. Lab Filter Papers

Qualitative, smooth, for lab-grade root protection

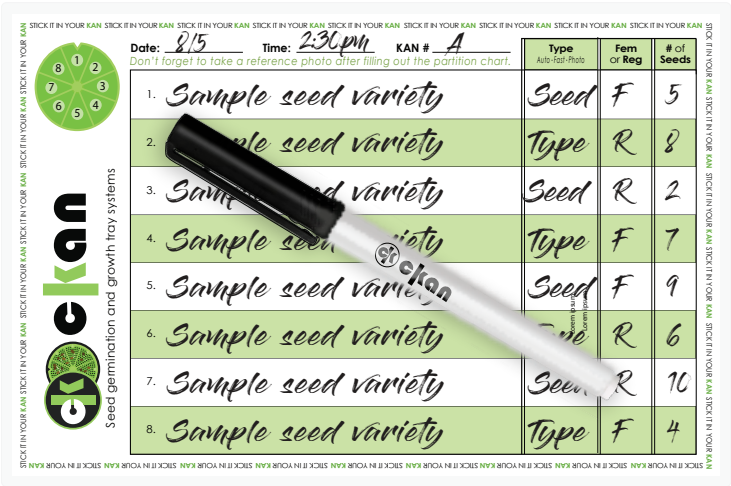


3. Cupped Seed Tweezers

Cupped tips for safe seed handling and built-in dibber

Cupped Ends
Separates and numbers seed varieties

Cupped Ends
Cupped tips for safe seed handling and built-in dibber

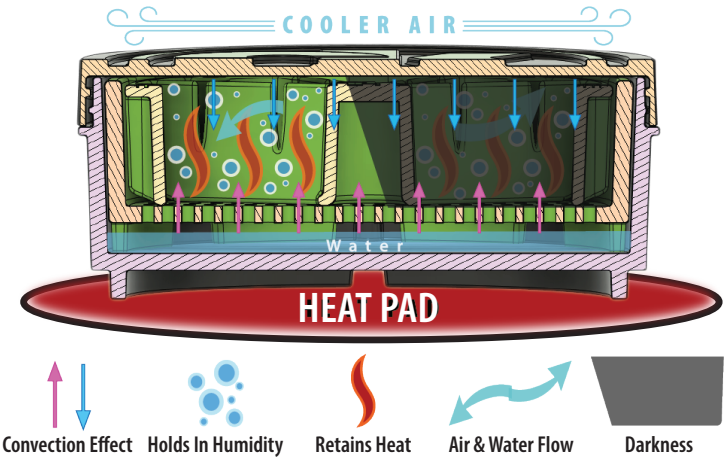


4. Partition Chart & Marker

Reusable chart for logging seed type, variety, and date. Works with the partition system for organized, repeatable germination. Includes wet-erase marker.

Convection Effect for Optimal Germination Conditions

Create a convection for germination



5. FAR Infrared Heat Pad

FAR Infrared Heat Pad:
Thermostat-controlled pad with MET, CE, FCC, and IP67 certifications.
Generates convection to maintain consistent humidity and temperature.

6. Cotton Bundle Bag

Reusable muslin bag designed to hold and protect the full KAN® System. Lightweight, durable, and eco-conscious for organized transport and storage.

Instructions & Specifications

HOW TO OPERATE HEAT PAD CONTROLLER

1. Place the Heat Pad on a stable dry surface.
2. Plug the Heat Pad into a 120V grounded outlet only.
3. The thermostat box will not turn on automatically when it is powered, you need to short press the on/off key to turn it on, short press on the on/off key is enough, you do not need to long press it.
4. + - key short press once to set the temperature change by 1°F, long press will change continuously, the temperature setting range is 32-122°F.

POWER FAILURE MEMORY

The heat pad can automatically remember the last state of operation
and set the temperature when it is powered off, and after it is powered on again, it works according to the last running state.

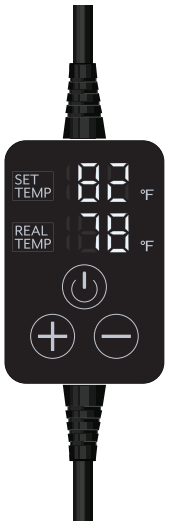
SPECIFICATIONS	
Size	6x8"
Voltage	120v AC
Wattage	8w±10%
Temperature Set	32°F-122°F (0-50°C)
Service Live	⩾30000H

Set heat pad +10°f warmer than target temperature when germinating in the KAN.

CREATE A CONVECTION

EXAMPLE

- **Seed Target Temperature:**
  75°- 85°F *(24°c - 29°c)*
- **Heat Pad Temperature setting:**
  85°- 95°F *(29°c - 35°c)*



WARNINGS

1. **ALWAYS** power off & unplug the heat pad when working with water.
2. Improper use may result in fire or electric shock. Indoor use only.
3. Please keep the heating pad away from sharp edges & objects. Make sure that the surface under the heat pad is free of sharp points or objects that might puncture or damage the pad.
4. **DO NOT** immerse in water.
5. **DO NOT** place the mat inside propagation trays or cover it directly with soil or any other growing medium.
6. **DO NOT** place any heat-insulating materials over the mat as this could cause it to overheat.

MET FC CE IP67

MET & CE Certified: US • CANADA • EU - Safety standards **FCC Certified:** U.S. approval for electronic device safety and radio frequency compliance. **IP67 Certified:** Protected against water & dust