# E-cigarette Product Type

## Closed System

A device that uses pre-filled, non-refillable pods or cartridges. Users replace the pods entirely when empty. It is most likely safe to assume a closed system *if no mention of refillable*.

* *PROS:*
* *No leakage*
* *Consistent flavor since e-liquid is sealed and pre-measured*
* *Typically, more compact and smaller*
* *Higher nicotine content (more often nic salt)*
* *Convenience with minimal upkeep*
* *More wasteful due to disposable pods*
* *CONS:*
* *Less variety of e-liquids*
* *Less customization (often no adjustable airflow or rebuildable coils)*
* *More expensive*

## CLOSED REFILL

A prefilled pod or cartridge designed for swapping but not intended to be refilled after liquid is depleted.

## Open System

A refillable vaping system device with a tank or cartridge that allows users to manually add their choice of e-liquid.

*Often, open system has mention of e-liquid capacity.*

* *PROS:*
* *More flexibility with flavor options and nicotine strength*
* *Adjustable airflow (customize draw resistance and vapor production)*
  + *Tighter draw – mimic smoking cigarette with more resistance,* ***mouth-to-lung***
  + *Looser draw – less resistance for more open airflow with larger clouds of vapor,* ***direct-to-lung***
* *Rebuildable coils allow for changing coil material, wire thickness, and number of wraps to control resistance, heat, and vapor production*
* *Typically, more feature-rich with temperature control, wattage control, and preheat functions*
* *Less expensive in long-run*
* *Less waste since users only replace coils or rebuild componenets*
* *CONS:*
* *Require more upkeep and maintenance in long-term use*
* *Not as beginner-friendly due to variation in coil types, resistance, and wattage*
* *Bulkier and less discreet*
* *Flavor ghosting/creep– residual e-liquid from previous flavor remains in tank, coil, or wick, leading to undesirable or muted flavor profiles*

## E-Liquid

Container of liquid used to fill pod or tank of a kit. Typically contains propylene glycol (PG), vegetable glycerin (VG), flavoring, and nicotine (optional).

## Disposable System

A single-use vaping device that is disposable/non-reusable once e-liquid has been depleted.

*Typically, it may mention that the vape comes “prefilled” and may indicate a puff count.*

## Accessory

Parts the include batteries, chargers, coils, cases and covers, cleaning tools, display stands, or mouthpieces.

# OTHER RELEVANT INFORMATION

## Mouth-to-Lung (MTL) vs Direct-to-lung (DTL) Vaping

**Mouth-to-Lung (MTL):** Better for flavor, “throat hit”, and e-liquid efficiency.

* Vapour is drawn into the mouth first, then inhaled into the lungs.
* Mimics cigarette smoking, ideal for beginners.
* Works best with high PG e-liquids for better flavor and “throat hit”.
* Conserves e-liquid, offers a familiar sensation for ex-smokers.

**Direct-to-Lung (DTL):** Better for cloud production and high-powered devices.

* Vapour is inhaled straight into the lungs.
* Produces large clouds, popular with hobbyists and “cloud chasers”.
* Requires low nicotine/high VG e-liquids to avoid harshness.
* Best with sub-ohm kits and adjustable airflow.
  + Sub-ohm tanks vaporize e-liquid at higher wattages -> larger clouds & more nicotine per puff.

## freebase nicotine vs nicotine salts

**Freebase Nicotine (Freebase):** Pure nicotine in most basic form without added acids

* Harsher “throat hit”, especially with higher concentrations
* Slower absorption into bloodstream than nic salts
* Typically used in lower concentrations (<20 mg/mL)
* Stronger throat hit, often preferred by experienced vapers

**Nicotine Salts (Nic Salt):** Combined with an acid (often benzoic acid) to create a more stable form of nicotine

* Smoother “throat hit” at higher concentrations
* Quicker absorption into bloodstream than freebase
* Commonly used in higher nicotine concentrations (20-50 mg/mL)
* Ideal for smokers transitioning to vaping due to strong yet smooth nicotine delivery

# Examples OF PRODUCT TYPES

Examples of products were searched for on <vape.com>.

## Closed System

* [**Vaporesso Gen PT80S Kit**](https://vape.com/products/vaporesso-gen-pt80s-kit)**:** *“It’s equipped with the new xTank pod”*
* [**Phix Basic Kit**](https://vape.com/products/phix-basic-kit-320mah)**: No mention of refillable**

## Closed REFILL

* [**PHIX Pods (4-Pack)**](https://vape.com/products/phix-pods-4-pack-1)**:** *“The MLV PHIX Refill Pods by Brewell MFG are unique pod elements with up to 1.5mL pre-filled juice reservoir that is used in conjunction with the modern PHIX Ultra Portable System”*
* **[INFZN TFN Pods](https://vape.com/products/infzn-tfn-cartridge-1-3ml-cool-grape-2-pack)**[:](https://vape.com/products/infzn-tfn-cartridge-1-3ml-cool-grape-2-pack) *[“INFZN TFN Pods are used in a rechargeable device which is sold separately”](https://vape.com/products/infzn-tfn-cartridge-1-3ml-cool-grape-2-pack)*

## Open System

* [**SnowWolf Taze Pod System Kit**](https://vape.com/products/snowwolf-taze-pod-system-kit-40w?_pos=18&_sid=bace21ca8&_ss=r)**:** “*As for Taze Pod, it has 4.5ml liquid capacity. Open the top stainless steel cap for easy and convenient liquid filling.”*
* [**FreeMax MaxPod Pod System Kit 11w**](https://vape.com/products/freemax-maxpod-pod-system-kit-11w?_pos=17&_sid=bace21ca8&_ss=r)**:** “*Attached via magnetic connection, the 2mL pod can be refilled via a silicone stoppered side fill system”*

## E-Liquid

* [**Killer Kustard by Vapetasia Series**](https://vape.com/products/killer-kustard-by-vapetasia-100ml)**:** *“Bottle Size – 100mL Unicorn Bottle”*
* [**Toffee Vanilla Custard by Humble E-Liquid**](https://vape.com/products/toffee-vanilla-custard-by-humble-e-liquid-60ml)**:** *“Bottle Size – 60mL Unicorn Bottle”*

## Disposable System

* [**Orion Bar Disposable**](https://vape.com/products/orion-bar-disposable-7500-puff-18ml-50mg)**:** *“A convenient, single-use e-cigarette with a 7500-puff lifespan and a wide range of flavor options”*
* [**Goat Bar Disposable**](https://vape.com/products/goat-bar-disposable/)**:** *“This disposable vape bar is perfect for on-the-go use and provides lasting satisfaction and convenience.”*

## Accessory

* [**Coil Master DIY Build Kit Mini**](https://vape.com/products/coil-master-diy-build-kit-mini)**:** Coil replacement
* [**Hohm Tech Hohm Depot**](https://vape.com/products/hohm-tech-hohm-depot-18650-16-8a-3005mah-2-pack)**:** Battery replacement

# Sources

[Open Pod Vapes vs Closed Pod Vapes: Which One is Right for You? | UWELL](https://www.myuwell.com/blog/vape-devices/open-pod-vapes-vs-closed-pod-vapes-which-one-is-right-for-you)

[Open vs. Closed Pod Systems (& Which is Best for You) | uvape](https://uvapeshop.com/blogs/comparisons-lists/open-vs-closed-vape-pods#article-heading-1)

[Open vs Closed Vape Systems: Here is What You Need to Know | Aquavape](https://aquavape.co.uk/blogs/news/open-vs-closed-vape-systems-here-is-what-you-need-to-know)

[E-Liquid | TotallyWicked](https://www.totallywicked-eliquid.co.uk/e-liquids?p=2)

[Nic salts in MTL tank vs POD system? Actual differences/facts - Reddit](https://www.reddit.com/r/electronic_cigarette/comments/asiyrt/nic_salts_in_mtl_tank_vs_pod_system_actual/)

[Beginner’s Guide to Pod Vaping Kits | YouTube](https://www.youtube.com/watch?v=ClKPaE0eLNc)