



Designation: D8357 – 21

Standard Classification for Cannabis/Hemp Flower Vaporizers¹

This standard is issued under the fixed designation D8357; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This standard shall classify various types of cannabis/hemp flower vaporizer devices.

1.2 This classification differentiates between the intended use of each type of cannabis/hemp flower vaporizer devices.

1.3 This classification shall provide examples of each type of cannabis/hemp flower vaporizer devices. Examples and pictorials shown in the annexes and appendixes or described in this classification are not intended to be all-inclusive and are included only as an aid in understanding and comprehension of the classification system.

1.4 Vaporizer devices intended for use with materials other than cannabis flower, a dried cannabis flower, or ground dried cannabis flower, or combination thereof, are not in the scope of this classification.

1.5 This classification shall apply to vaporizer devices used to consume cannabis flower from a cannabis plant regardless of the type of cannabis plant from which it is derived. For the sake of brevity, the term “cannabis” shall be used from now on to refer to any type of cannabis plant (cannabis/hemp).

1.6 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.

1.7 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.8 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This classification is under the jurisdiction of ASTM Committee D37 on Cannabis and is the direct responsibility of Subcommittee D37.08 on Cannabis Devices and Appliances.

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2. Referenced Documents

2.1 *ASTM Standards:*²

D8270 Terminology Relating to Cannabis

D8373 Guide for Cannabis/Hemp Flower Vaporizers

3. Terminology

3.1 *Definitions:*

3.1.1 For other definitions used in this classification, refer to the terms developed by Subcommittee D37.91 on Terminology Relating to Cannabis and Terminology D8270.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *cannabis flower, n*—the whole inflorescence of a cannabis plant.

3.2.2 *dried cannabis flower, n*—the whole inflorescence of a cannabis plant which has been processed to reduce moisture content through drying or curing, or both.

3.2.2.1 *Discussion*—Synonymous with dried cannabis flos.

3.2.3 *ground dried cannabis flower, n*—dried cannabis flower that has gone through some form of size reduction.

3.2.3.1 *Discussion*—Typically adult-use and medicinal-use consumers grind dried cannabis flower mechanically with the use of a personal or handheld grinder, or by physically separating the dried cannabis flower by hand.

3.2.4 *desktop, n*—any personal consumption device that explicitly is designed to rest on a stable horizontal surface while in use.

3.2.5 *distinct vaporizer, n*—any vaporizer, not manual or electronic under the classification scheme, that is different, as derived from innovation and shall have a method to vaporize cannabis flower and a method for the user to consume or inhale its vapour as sanctioned by the authority under jurisdiction.

3.2.6 *electronic vaporizer, n*—any vaporizer with an integrated heat source.

3.2.7 *handheld, n*—any personal consumption device that is explicitly designed to be held in the user’s hand.

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard’s Document Summary page on the ASTM website.