[0009a] According to an aspect, there is provided a cartridge for use with an electronic device, the cartridge including: a heater at a first end of the cartridge; a mouthpiece at a second end of the cartridge; a fluid storage compartment configured to hold a vaporizable material; a base region at the first end of the cartridge, the base region configured to fit into a receptacle of the electronic device, the base region including a first electrical contact and a second electrical contact positioned at a bottom surface, a first locking gap on a first lateral surface of the base region, and a second locking gap on a second lateral surface of the base region that is opposite the first lateral surface.

[0010] In particular, described herein are cartridges that are configured for use with a vaporizer having a rechargeable power supply that includes a proximal cartridge-receiving opening. These cartridges are specifically adapted to be releasably but securely held within the cartridge-receiving opening of the vaporizer and resist disruption of the electrical contact with the controller and power supply in the vaporizer even when held by the user's mouth.

[0011] For example, described herein are cartridge devices holding a vaporizable material for securely coupling with an electronic inhalable aerosol device. A device may include: a mouthpiece; a fluid storage compartment holding a vaporizable material; a base configured to fit into a rectangular opening that is between 13-14 mm deep, 4.5-5.5 mm wide, and 13-14 mm long, the base having a bottom surface comprising a first electrical contact and a second electrical contact, a first locking gap on a first lateral surface of the base, and a second locking gap on a second lateral surface of the base that is opposite first lateral surface.

[0012] A cartridge device holding a vaporizable material for securely coupling with an electronic inhalable aerosol device may include: a mouthpiece; a fluid storage compartment holding a vaporizable material; a base configured to fit into a rectangular opening that is between 13-14 mm deep, 4.5-5.5 mm wide, and 13-14 mm long, the base having a length of at least 10 mm, and a bottom surface comprising a first electrical contact and a second electrical contact, a first locking gap on a first lateral surface of the base positioned between 3-4 mm above the bottom surface, and a second locking gap on a second lateral surface of the base that is opposite first lateral surface.

[0013] A cartridge device holding a vaporizable material for securely coupling with an electronic inhalable aerosol device, the device comprising: a mouthpiece; a fluid storage compartment holding a vaporizable material; a rectangular base having a pair of minor sides that are between greater than 10 mm deep and between 4.5-5.5 mm wide, and a pair of major sides that are greater than 10 mm deep and between 13-14 mm wide, a bottom surface comprising a first electrical contact and a second electrical contact, and a first locking gap on a first lateral surface of the base positioned between 3-4 mm above the bottom surface, and a second locking gap on a second lateral surface of the base that is opposite first lateral surface. Any of these devices may also typically include a wick in fluid communication with the vaporizable material; and a resistive heating element in fluid contact with the wick and in electrical contact with the first and second electrical contacts.

[0014] In general, applicants have found that, for cartridges having a base that fits into the rectangular opening of a vaporizer (particularly one that is between 13-14 mm deep, 4.5-5.5 mm wide, and 13-14 mm long), the it is beneficial to have a length of the base (which is generally the connection region of the base for interfacing into the rectangular opening) that is greater than 10 mm, however when the base is greater than 10 mm (e.g., greater than 11 mm, greater than 12 mm, greater than 13 mm), the stability of the cartridge and in particular the electrical contacts, may be greatly enhanced if the cartridge includes one or more (e.g., two) locking gaps near the bottom surface of the cartridge into which a complimentary detent on the vaporizer can couple to. In particular, it may be beneficial to have the first and second locking gaps within 6 mm of the bottom surface, and more specifically within 3-4 mm of the