CLAIMS

1. A cartridge for a vaping device, comprising:

   a housing having a first end, a second end, a base and an inner wall;

   a channel extending from the first end to the second end, the inner wall, the channel and the base cooperatively connected to define one or more reservoirs to receive a liquid,

   wherein the base has means for absorbing the liquid and comprises at least one venting hole, the at least one venting hole covered at one end with a hydrophobic membrane arranged to allow air to enter the one or more reservoirs and prevent leakage of the liquid out of the venting hole.

2. The cartridge of claim 1, wherein the hydrophobic membrane is formed from at least one of the following: Heptadecaflourohexyl-trimethoxysilane, Polyhexafluoropropylene, Polytetrafluoroethylene, Octadecyltrichlorosilane, Nonafluorohexyl-trimethoxysilane, Paraffin wax, Polyvinylidene Flouride, Polyethylene, Polyemethylmethacrylate, Polystyrene, Polyvinyledene Chloride, Polyester, Polyethylene terephthalate, Epoxypolyamide, Polyethersulfone (PES) membrane.

3. The cartridge of claim 1 or 2, further comprises a protrusion extending from the base towards the second end.

4. The cartridge of claim 3, wherein the protrusion has a hole covered at one end with a hydrophobic membrane.

5. The cartridge of claim 1, wherein the means for absorbing the liquid is a nib.

6. The cartridge of claim 1, wherein at least one of the one or more venting holes is covered at one end with a hygroscopic membrane.

7. The cartridge of any of the preceding claims, wherein a hollow filter is fitted within the channel.

8. The cartridge of claim 7, wherein the hollow filter comprises a hygroscopic material.

9. The cartridge of any of the preceding claims, wherein the second end has a plurality of projections.

10. The cartridge of any preceding claims, wherein the inner wall is coated with a hydrophobic coating.

11. The cartridge of any preceding claims, wherein the cartridge is made from a hydrophobic material.

12. The cartridge of any preceding claims, wherein the channel is coated with either a hydrophobic coating or a hydrophilic coating.

13. The cartridge of any preceding claims, wherein the second end is connectable to a device assembly.

14. The cartridge of claim 13, wherein the device assembly has a heating element positioned at a top of the device assembly.

15. The cartridge of claim 14, wherein the heating element is in close proximity with the means for absorbing liquid of the base, when the cartridge is connected to the device assembly.

16. The cartridge of claim 14 or 15, wherein the heating element is in contact with the means for absorbing liquid of the base, when the cartridge is connected to the device assembly.

17. The cartridge of claim 9 and claim 13, wherein the top of the device assembly has a plurality of notches to engage the corresponding plurality of projections of the second end.

18. The cartridge of any one of claims 13 to 17, wherein the device assembly has a USB charging pod.

19. The cartridge of any one of claims 14 to 16, wherein the device assembly houses an electric circuit within the device assembly to power the heating element.

20. A kit comprising the cartridge of any of the preceding claims and a device assembly according to any one of claim 13 to 18.