We claim:

1. A dry powder medicament cartridge for an inhaler, comprising:

a) a cartridge top and

b) a cartridge bottom defining an internal volume;

wherein the cartridge top and the cartridge bottom are moveable relative to one another by a translational motion; and
wherein the cartridge top has an undersurface that extends over the cartridge bottom; said undersurface configured to engage said cartridge bottom, and having an area to seal the internal volume and an area to expose the internal volume to ambient air.

2. The cartridge of Claim 1, wherein the cartridge top comprises at least one dispensing port.

3. The cartridge of Claims 1 or 2, wherein the cartridge top comprises one or more grasping surfaces.

4. The cartridge of Claims 1-3, wherein the cartridge top comprises one or more keying surfaces.

5. The cartridge of Claims ~~1~~2-4, wherein the cartridge top is relatively rectangular in shape, comprising a recessed area on its upper surface and a boss comprising the at least one dispensing port.

6. The cartridge of Claims ~~1~~2-5, wherein the cartridge bottom is moveably attached to the undersurface and configurable to attain a containment position and a dispensing or dosing position by moving relative to the undersurface.

7. The cartridge of Claim 6, wherein in the containment position the undersurface seals the internal volume of the cartridge bottom to form an enclosure configured to hold a medicament and restrict air flow entering into the internal volume of the cartridge bottom.

8. The cartridge of Claims 6 or 7, wherein in the dispensing or dosing position the at least one dispensing port is positioned over the internal volume of the cartridge bottom and the cartridge top and the cartridge bottom forms at least one inlet port that allows air flow into the internal volume of the cartridge bottom in response to a pressure differential.

9. The cartridge of Claims 6-8, wherein in the dispensing or dosing position, the at least one dispensing port provides resistance to flow.

10. The cartridge of Claims ~~6-9~~8 or 9, wherein in the dispensing or dosing position, the at least one inlet port is configured to direct part of the air flow into the internal volume to circulate the air flow about the internal volume.

11. The cartridge of Claim ~~6-10~~8-10, wherein in the dispensing or dosing position, the at least one inlet port is configured to direct part of the air flow to the at least one dispensing port in response to a pressure differential.

12. The cartridge of Claims 1-11, wherein the cartridge is formed from a polymer material.

13. The cartridge of Claim 12, wherein the polymer material is a thermoformable plastic selected from the group consisting of a polypropylene, a cyclicolephin co-polymer, a nylon, and a polyethylene.

14. The cartridge of Claims 12 or 13, wherein the polymer material is a high density polyethylene polymer.

15. The cartridge of Claims ~~9~~8-14, wherein the at least one ~~or more~~ inlet port~~s have~~ has a total cross-sectional area which is larger than a total cross-sectional area of the at least one dispensing port.

16. The cartridge of Claims 2-15, wherein the cross-sectional area of the at least one dispensing port ranges from 0.05 cm^2 to ~~about~~ 0.25 cm^2.

17. The cartridge of Claims 1-16, wherein the cartridge top and the cartridge bottom are configurable to have a discarding position.

18. An inhalation system, comprising:

a) a dry powder inhaler; and

b) a cartridge according to any of Claims ~~1~~6-17;

wherein in the dispensing or dosing position, the cartridge and the inhaler form a rigid flow conduit for a gas to flow through the cartridge and the rigid flow conduit is substantially perpendicular to a flow conduit in the mouthpiece.

19. An inhalation system of Claim 18, further comprising a housing in which to mount the cartridge and defining two flow pathways.