Claims

1. Indicator device for a container containing a fluid to be nebulized by a nebulizer,

the indicator device being adapted for counting and/or indicating a number of uses performed or still possible with the container or nebulizer,

wherein the indicator device comprises a piercing part for opening an aeration of the container,

characterized in

that the piercing part is moveable such that it can protrude outwards the indicator device or a housing of the indicator device for opening or piercing the container.

2. Indicator device according to claim 1, characterized in that the indicator device comprises an insertion opening allowing insertion of a driving part for actuating the piercing part.

3. Indicator device according to claim 1 or 2, characterized in that the piercing part is arranged within the indicator device or a housing of the indicator device, if not actuated or before first use or actuation.

4. Indicator device according to any one of the preceding claims, characterized in that the piercing part is held by one or more flexible arms, in particular of a support structure, axially moveable.

5. Indicator device according to any one of the preceding claims, characterized in that the piercing part comprises one or more axial channels or grooves in order to ensure unblocked aeration or venting.

6. Indicator device according to any one of the preceding claims, characterized in that the piercing part comprises a compensation portion, in particular one or more flexible arms, which are in particular radially flexible, for compensating tolerances in axial direction.

7. Indicator device according to any one of the preceding claims, characterized in that the piercing part is biased into a retracted or initial position, in particular by a preferably integrally formed biasing arm, spring or support structure.

8. Indicator device according to any one of the preceding claims, characterized in that the piercing part is axially moveable.

9. Container for a nebulizer,

the container containing a fluid, and

the container comprising an indicator device for counting or indicating a number of uses performed or still possible with the container,

characterized in

that the indicator device comprises the features of any one of the preceding claims.

10. Container according to claim 9, characterized in that the indicator device is inseparable from the container.

11. Container according to claim 9 or 10, characterized in that the indicator device is fixedly arranged at a base of the container and/or opposite to an outlet or head of the container and/or in that the diameter of the indicator device is at least essentially equal to the diameter of the container.

12. Nebulizer according to any one of claims 9 to 11, characterized in that the indicator device is connected by snap-fit and/or form-fit with the container.

13. Container according to any one of claims 9 to 12, characterized in that the piercing part is moveable such that it protrudes towards the container.

14. Container according to any one of claims 9 to 13, characterized in that the container comprises a venting hole, wherein the piercing part is moveable such that it opens the venting hole of the container, in particular by breaking or piercing a foil covering the venting hole.

15. Nebulizer for a fluid the nebulizer comprising:

a replaceable container containing the fluid;

a nebulizer housing for receiving the container;

a housing part which can be detached from the nebulizer housing or opened for replacing the container; and

an indicator device for counting and/or indicating a number of uses performed or still possible with the container;

characterized in

that the indicator device comprises the features of any one of claims 1 to 8.

16. Nebulizer for a fluid the nebulizer comprising:

a replaceable container containing the fluid;

a nebulizer housing for receiving the container;

a housing part which can be detached from the nebulizer housing or opened for replacing the container; and

an indicator device for counting and/or indicating a number of uses performed or still possible with the container;

characterized in

that the container comprises the features of any one of claims 9 to 14.

17. Nebulizer according to claim 15 or 16, characterized in that the nebulizer comprises a preferably stationary driving part for driving or actuating or triggering the indicator device as well as for opening or piercing the container or actuating a piercing part of the indicator device, preferably by relative movement of container or indicator device to the nebulizer housing or driving part.

18. Nebulizer according to claim 17, characterized in that the indicator device comprises an insertion opening allowing insertion of the driving part of the nebulizer.

19. Nebulizer according to claim 17 or 18, characterized in that the nebulizer is constructed such that the driving part actuates the piercing part.

20. Nebulizer according to any one of claims 15 to 19, characterized in that the indicator device comprises an indicator element and an actuation element for indexing the indicator element, wherein the piercing part is held axially moveable by the indicator element.

21. Nebulizer according to any one of claims 15 to 20, characterized in that the indicator device is inseparably connected with the container, but separable from the nebulizer housing and housing part, so that it is replaceable together with the container.

22. Nebulizer according to any one of claims 15 to 21, characterized in that the indicator device is moveable axially or back and forth together with the container within the nebulizer, preferably during supplying or nebulizing the fluid and/or tensioning the nebulizer.