WHAT IS CLAIMED IS:

1. A cooking appliance, comprising:

a cooking pot;

a material container, wherein the material container is at least partially accommodated in the cooking pot, a first cavity is formed in the material container, and a second cavity is formed between the cooking pot and the material container, wherein a liquid communicating structure is formed between the first cavity and the second cavity, and the liquid communicating structure communicates the first cavity and the second cavity;

a pressure device, configured to generate a pressure difference between the first cavity and the second cavity; and

a pressure relief structure, being provided with a gas passage connected to at least one of the first cavity and the second cavity, and reducing a pressure difference between the first cavity and the second cavity when the gas passage is communicated.

2. The cooking appliance according to claim 1, wherein

the gas passage is in communication with the environment;

when the gas passage is communicated, the first cavity or the second cavity connected to the gas passage is in communication with the environment.

3. The cooking appliance according to claim 1, wherein

the gas passage is connected to the first cavity and the second cavity, respectively, and when the gas passage is communicated, the gas passage communicates the first cavity and the second cavity.

4. The cooking appliance according to any one of claims 1 to 3, wherein

the gas passage is of a normally open structure,

the flow area of the gas passage is smaller than the flow area of the pressure device.

5. The cooking appliance according to any one of claims 1 to 3, wherein

the pressure relief structure further includes a control member that controls the connection and disconnection of the gas passage.

6. The cooking appliance according to claim 5, wherein

the control member includes a first control valve controlling the connection and disconnection of the gas passage; or

the pressure relief structure further includes an exhaust valve, wherein the exhaust valve includes an exhaust port formed as at least a portion of the gas passage and a valve spool adapted to open or close the exhaust port, and the control member controls the valve spool and makes the valve spool to open or close the exhaust port.

7. The cooking appliance according to claim 1 or 2, wherein

one of the first cavity and the second cavity is connected to the pressure relief structure and the pressure device,

the pressure device is adapted to pressurize or depressurize the first or second cavity to which it is connected,

the pressure relief structure is adapted to provide pressure relief to the first cavity or the second cavity connected thereto.

8. The cooking appliance according to claim 7, wherein

one of the first cavity and the second cavity is connected to the pressure device,

the cooking appliance is provided with a gas communicating structure fitted to the other of the first cavity and the second cavity.

9. The cooking appliance according to claim 8, wherein

the pressure device is connected to the first cavity and is adapted to depressurize the first cavity, and the gas communicating structure is in communication with the second cavity and feeds air to the second cavity; or

the pressure device is connected to and adapted to pressurize the second cavity, and the gas communicating structure is in communication with and exhausts air from the first cavity.

10. The cooking appliance according to claim 8, wherein

the gas communicating structure comprises a passage structure,

wherein the passage structure is a normally open structure, or the passage structure is provided with a one-way valve, or the passage structure is provided with a second control valve

and the second control valve is adapted to control the connection and disconnection of the passage structure.

11. The cooking appliance according to claim 8, wherein

the gas communicating structure is provided on the cooking pot; or

the cooking appliance includes a cover body at least covering the cooking pot, and the cover body is provided with the gas communicating structure.

12. The cooking appliance according to claim 11, wherein

the cooking pot includes a pot body and a pot handle, at least one of the pot body and the pot handle being provided with the gas communicating structure.

13. The cooking appliance according to claim 12, wherein

the gas communicating structure is provided on the pot handle, the pot body is provided with a through hole, and the through hole communicates the gas communicating structure and the second cavity.

14. The cooking appliance according to claim 7, wherein

one of the first cavity and the second cavity is connected to the pressure device, and the other of the first cavity and the second cavity is a sealed cavity.

15. The cooking appliance according to any one of claims 1 to 3, wherein

the pressure device includes a gas suction device adapted to decompress the first cavity or the second cavity connected to the gas suction device in a gas suction manner,

the cooking appliance is provided with a gas inlet, and one of the first cavity and the second cavity connected to the pressure device is in communication with the gas inlet,

the pressure device further includes a third control valve, wherein the third control valve is connected to the gas inlet and the gas suction device, and controls the connection and disconnection between the gas suction device and the gas inlet.

16. The cooking appliance according to any of claims 1 to 3, wherein

the cooking pot is provided with a water level indication mark,

the material container is provided with a positioning part, the positioning part matches with the cooking pot so that the material container is positioned in the cooking pot, and the

position of the material container is adapted to the position of the corresponding water level indication mark.

17. The cooking appliance according to claim 16, wherein

the material container is provided with the liquid communicating structure, the liquid communicating structure includes a passage, the passage includes a port and the passage is in communication with the second cavity from the port, wherein when the positioning part matches with the cooking pot, at least a part of the port is located below the corresponding water level indication mark,

the wall of the material container is provided with one or more through holes, and the through holes are formed as at least a part of the liquid communicating structure; and/or the material container is provided with a suction pipe formed as at least a part of the liquid communicating structure.

18. The cooking appliance according to claim 16, wherein

the material container includes a concave cavity, wherein the concave cavity includes a structure with an opening at one end, a flanging is provided on the concave cavity along an edge of the opening, and the flange is formed as at least a part of the positioning part,

the flanging is configured with a lower projection that rests on the cooking pot; and/or the concave cavity includes a bottom wall and a side wall, and at least one of the bottom wall and the side wall are provided with the liquid communicating structure.

19. The cooking appliance according to claim 18, wherein

the flanging includes a first arm segment and a second arm segment, the first arm segment transitions between the second arm segment and the concave cavity, the second arm segment is configured to form the positioning part, and the first arm segment is adapted to abut against a second sealing member,

the second arm segment includes an upper side and a lower side, and the second arm segment is configured in a concave shape in which the upper side is concave with respect to the first arm segment and the lower side is convex with respect to the first arm segment; and/or at least a part of the surface of the first arm segment is configured as a mating surface against which the second sealing member abuts.

20. A control method of the cooking appliance for the cooking appliance of any one of claims 1 to 19, wherein the control method of the cooking appliance comprises:

controlling the pressure device to intermittently pressurize or depressurize one of the first cavity and the second cavity.

21. A control method of a cooking appliance comprising a first cavity and a pressure device, wherein the control method of the cooking appliance comprises:

controlling operation of the pressure device during a water absorption stage in response to a cooking instruction, the pressure device being configured to pressurize or depressurize the first cavity,

wherein the pressurization or depressurization of the first cavity is adapted to feed water to the first cavity.

22. A control method for a cooking appliance comprising a first cavity, a pressure device, a drain device and/or a pumping device, wherein the control method for the cooking appliance comprises:

in response to a cooking instruction, controlling operation of a pressure device during a water absorption stage, the pressure device being configured to pressurize or depressurize a first cavity, the first cavity pressurization being adapted to allow positive pressure water absorption of material in the first cavity, the first cavity depressurization being adapted to allow negative pressure water absorption of material in the first cavity; and

controlling the liquid drainage device and/or the pumping device to start upon detecting that a working parameter of the pressure device satisfies a preset water absorption treatment condition,

wherein the liquid drainage device is configured to drain the first cavity and the pumping device is configured to pump the first cavity.