What is claimed is:

1. A hydrogen generator with hydrogen leakage self-aware function, comprising:

an electrolytic module configured to electrolyze an electrolyzed water to generate gas comprising hydrogen;

an integrated passageway device comprising a gas inlet passageway and a gas outlet passageway, wherein the integrated passageway device is one-piece formed;

a condensate filter coupled to the integrated passageway device for filtering the gas comprising hydrogen, wherein the integrated passageway device has a space for accommodating the condensate filter;

a humidification cup coupled to the integrated passageway device for humidifying the gas comprising hydrogen, wherein the gas comprising hydrogen flows through the condensate filter and the humidification cup by the way of the integrated passageway device;

a housing having an accommodating space configured to accommodating the electrolytic module, the integrated passageway device, the humidification cup, and the condensate filter;

an internal hydrogen sensing component configured in the accommodating space for sensing the hydrogen concentration in the housing to generate an internal sensing result; and

a monitoring device coupled to the internal hydrogen sensing component, wherein the monitoring device controls the operation of the hydrogen generator according to the internal sensing result.

2. The hydrogen generator of claim 1, wherein the monitoring device is coupled to the electrolytic module, the monitoring device turns off or reduces the operating efficiency of the electrolytic module according to the internal sensing result.

3. The hydrogen generator of claim 1, further comprising:

    a fan embedded in the housing and coupled to the monitoring device, wherein the fan is configured to import air outside the housing into the accommodating space;

    wherein, the monitoring device controls the fan according to the internal sensing result to import the air outside the housing into the accommodating space.

4. A hydrogen generator with hydrogen leakage self-aware function, comprising:

    an electrolytic module configured to electrolyze an electrolyzed water to generate gas comprising hydrogen;

    an integrated passageway device comprising a gas inlet passageway and a gas outlet passageway, wherein the integrated passageway device isone-piece formed;

    a condensate filter coupled to the integrated passageway device for filtering the gas comprising hydrogen, wherein the integrated passageway device has a space for accommodating the condensate filter;

    a humidification cup coupled to the integrated passageway device for humidifying the gas comprising hydrogen, wherein the gas comprising hydrogen flows through the condensate filter and the humidification cup by the way of the integrated passageway device;

a housing having an accommodating space configured to accommodating the electrolytic module, the integrated passageway device, the humidification cup, and the condensate filter;

an external hydrogen sensing component configured outside the housing to communicate with the monitoring device, to sense the hydrogen concentration outside the hydrogen generator to generate an external sensing result; and

a monitoring device coupled to the external hydrogen sensing component, wherein, the monitoring device controls the operation of the hydrogen generator according to the external sensing result.

5. The hydrogen generator of claim 4, wherein the monitoring device is coupled to the electrolytic module, the monitoring device turns off or reduces the operating efficiency of the electrolytic module according to the external sensing result.

6. The hydrogen generator of claim 1, further comprising:

a nebulizer coupled to the gas outlet passageway to receive the gas comprising hydrogen, wherein the nebulizer generates an atomized gas and mix the atomized gas with the gas comprising hydrogen to form a healthy gas, wherein the gas comprising hydrogen flows through the condensate filter, the humidification cup and the nebulizer by the way of the integrated passageway device.

7. The hydrogen generator of claim 1, further comprising:

a water tank configured to accommodate the electrolyzed water, wherein the electrolytic module is configured in the water tank, the water tank outputs the gas comprising hydrogen generated by the electrolytic module, and the humidification cup is stacked vertically

on the tank.

8. The hydrogen generator of claim 7, wherein the integrated passageway device is stacked vertically on the humidification cup.

9. The hydrogen generator of claim 7, wherein the humidification cup further has a humidification room and a communicating room, the communicating room is coupled to the water tank and the condensate filter, the communicating room is configured to receive the gas comprising hydrogen outputted from the water tank, the humidification room is configured to accommodate supplementary water and receive the gas comprising hydrogen outputted from the condensate filter, and the humidification room and the communicating room are isolated from each other.

10. A hydrogen generator with hydrogen leakage self-aware function, comprising:

an electrolytic module configured to electrolyze an electrolyzed water to generate gas comprising hydrogen;

an integrated passageway device comprising a gas inlet passageway and a gas outlet passageway, wherein the integrated passageway device is one-piece formed;

a condensate filter coupled to the integrated passageway device for filtering the gas comprising hydrogen, wherein the integrated passageway device has a space for accommodating the condensate filter;

a humidification cup coupled to the integrated passageway device for humidifying the gas comprising hydrogen, wherein the gas comprising hydrogen flows through the condensate filter and the

humidification cup by the way of the integrated passageway device;

a housing having an accommodating space configured to accommodating the electrolytic module, the integrated passageway device, the humidification cup, and the condensate filter;

an internal hydrogen sensing component configured in the accommodating space for sensing the hydrogen concentration in the housing to generate an internal sensing result;

a monitoring device coupled to the internal hydrogen sensing component, wherein the monitoring device controls the operation of the hydrogen generator according to the internal sensing result; and

a filter rod coupled to the integrated passageway device for filtering the gas comprising hydrogen, wherein the gas comprising hydrogen flows through the condensate filter, the humidification cup, and the filter rod by the way of the integrated passageway device.

11. The hydrogen generator of claim 10, wherein the humidification cup further has a filter room, the filter rod is configured in the filter room pluggably.

12. The hydrogen generator of claim 10, further comprising:

a hydrogen water cup coupled to the integrated passageway device, wherein the hydrogen water cup is configured to contain water and receive the gas comprising hydrogen to form a hydrogen water; and

a nebulizer coupled to the gas outlet passageway to receive the gas comprising hydrogen, wherein the nebulizer generates an atomized gas and mix the atomized gas with the gas comprising hydrogen to form a healthy gas**;**

wherein the gas comprising hydrogen flows through the condensate

filter, the humidification cup, the filter rod, the hydrogen water cup and the nebulizer by the way of the integrated passageway device.

13. The hydrogen generator of claim 10, further comprising:

a hydrogen water cup coupled to the integrated passageway device, wherein the hydrogen water cup is configured to contain water, the hydrogen water cup receives the gas comprising hydrogen selectively.

14. A hydrogen generator with hydrogen leakage self-aware function, comprising:

a water tank configured to accommodate a electrolyzed water;

an electrolytic module configured to electrolyze the electrolyzed water to generate gas comprising hydrogen, wherein the electrolytic module is configured in the water tank, the water tank outputs the gas comprising hydrogen generated by the electrolytic module;

an integrated passageway device connected to the water tank;

a nebulizer coupled to the gas outlet passageway to receive the gas comprising hydrogen, wherein the nebulizer generates an atomized gas and mix the atomized gas with the gas comprising hydrogen to form a healthy gas;

a housing having an accommodating space configured to accommodating the water tank, the integrated passageway device, and the nebulizer;

an internal hydrogen sensing component configured in the accommodating space for sensing the hydrogen concentration outside the electrolytic module, the integrated passageway device, and the nebulizer to generate an internal sensing result;

an external hydrogen sensing component configured outside the housing to sense the hydrogen concentration outside the hydrogen generator to generate an external sensing result; and

a monitoring device coupled to the internal hydrogen sensing component and the external hydrogen sensing component, the monitoring device controls the operation of the hydrogen generator according to the internal sensing result and the external sensing result.

15. A hydrogen generator with hydrogen leakage self-aware function, comprising:

an electrolytic module configured to electrolyze an electrolyzed water to generate gas comprising hydrogen;

an integrated passageway device;

a condensate filter coupled to the integrated passageway device for filtering the gas comprising hydrogen generated by the electrolytic module;

a humidification cup coupled to the integrated passageway device for humidifying the gas comprising hydrogen;

a hydrogen water cup coupled to the integrated passageway device, wherein the hydrogen water cup is configured to contain water, the hydrogen water cup receives the gas comprising hydrogen selectively, when the gas comprising hydrogen flows into the hydrogen water cup, the gas comprising hydrogen mixes with the water in the hydrogen water cup to form a hydrogen water;

a housing configured to accommodating the electrolytic module, the integrated passageway device, the humidification cup, and the condensate filter, and the hydrogen water cup;

an internal hydrogen sensing component configured in the housing for sensing the hydrogen concentration in the hydrogen generator to generate an internal sensing result; and

a monitoring device coupled to the internal hydrogen sensing component, wherein the monitoring device controls the operation of the hydrogen generator according to the internal sensing result.