What is claimed is:

1. (Currently amended) A breathing equipment for providing positive pressure gas, comprising:

a gas channel;

a hydrogen generating device coupled to the gas channel and configured to electrolyze water to generate a gas comprising hydrogen;

a pressurizing device coupled to the gas channel and configured to selectively accelerate an external gas to generate an accelerating gas;

a mixing device coupled to the gas channel and configured to mix the gas comprising hydrogen and the accelerating gas to generate the positive pressure gas;

~~an atomizing device coupled to the gas channel and configured to selectively generate an atomizing gas; and~~

a breathing abnormality detector coupled to the gas channel and configured for detecting whether a breathing abnormality occurs on a user who uses the breathing equipment and selectively generating an abnormal signal;

a monitoring device coupled to the breathing abnormality detector, and configured for activating the pressurizing device to generate the accelerating gas according to the abnormal signal;

an output device coupled to the gas channel and configured to selectively output the gas comprising hydrogen~~, and~~ or the positive pressure gas; and ~~, the gas comprising hydrogen with the atomizing~~

~~gas, or the positive pressure gas with the atomizing gas~~.

a trigger switch configured for a user to choose whether to activate the pressurizing device and selectively generate a trigger signal.

2. (Currently amended) A breathing equipment for providing positive pressure gas, comprising: ~~The breathing equipment of claim 1, further comprising:~~

a gas channel;

a hydrogen generating device coupled to the gas channel and configured to electrolyze water to generate a gas comprising hydrogen, the hydrogen generating device further comprising:

a water tank configured to accommodate the water;

an electrolysis device configured in the water tank, and configured to electrolyze the water to generate the gas comprising hydrogen into the water tank;

a condense filter configured above the water tank to receive the gas comprising hydrogen from the water tank and filter out an electrolyte from the gas comprising hydrogen;

a humidify device configured above the water tank to receive the gas comprising hydrogen from the condense filter; and

an integrated flow channel device configured above the water tank, wherein the gas comprising hydrogen is transmitted among the water tank, the condense filter and the humidify device through the integrated flow channel device;

a pressurizing device coupled to the gas channel and configured

to selectively accelerate an external gas to generate an accelerating gas;

a mixing device coupled to the gas channel and configured to mix the gas comprising hydrogen and the accelerating gas to generate the positive pressure gas; and

an output device coupled to the gas channel and configured to selectively output the gas comprising hydrogen or the positive pressure gas.

~~a breathing abnormality detector coupled to the gas channel and configured for detecting whether a breathing abnormality occurs on a user who uses the breathing equipment and selectively generating an abnormal signal; and~~

~~a monitoring device coupled to the breathing abnormality detector, and configured for activating the pressurizing device to generate the accelerating gas according to the abnormal signal.~~

3. (Currently amended) The breathing equipment of claim 1, further comprising an atomizing device coupled to the gas channel and configured to selectively generate an atomizing gas, wherein when the monitoring device activates the pressurizing device, the output device outputs the positive pressure gas, or the positive pressure gas with the atomizing gas; when the monitoring device does not activate the pressurizing device, the output device outputs the gas comprising hydrogen, or the gas comprising hydrogen with the atomizing gas.

4. (Original) The breathing equipment of claim 3, further comprising an atomizing device switch, wherein when the monitoring device activates the pressurizing device and the atomizing device switch, the output device outputs the positive pressure gas with the atomizing gas; when

the monitoring device does not activate the pressurizing device but activates the atomizing device switch, the output device outputs the gas comprising hydrogen with the atomizing gas.

5. (Currently amended) The breathing equipment of claim ~~2~~1, wherein the pressurizing device further comprises:

a filter configured to filter out the impurities in the external gas;

a fan device coupled to the filter, and configured to accelerate the external air after filtered to generate the accelerating gas; and

a first flow sensor coupled to the fan device, and configured to detect the flow rate of the accelerating gas and transmit the value of the flow rate to the monitoring device.

6. (Currently amended) The breathing equipment of claim ~~2~~1, further comprising:

a first one-way valve and a first flame arrestor configured between the hydrogen generating device and the mixing device;

a second flame arrestor configured between the output device and the mixing device; and

a second one-way valve configured between the pressurizing device and the mixing device.

~~7.~~ (Currently amended) The breathing equipment of claim 1, ~~further comprising:~~

~~a trigger switch configured for a user to choose whether to activate the pressurizing device and selectively generate a trigger signal; and~~

wherein the ~~a~~ monitoring device is coupled to the trigger switch

and configured for activating the pressurizing device to generate the accelerating gas according to the trigger signal.

8. (Currently amended) The breathing equipment of claim 1, further comprising a transmission device coupled with the ~~a~~ monitoring device, the transmission device being configured to receive a breathing adjustment parameter and transmit it to the monitoring device, and the monitoring device being configured to receive the breathing adjustment parameter and selectively adjust the flow rate of the accelerating gas according to the breathing adjustment parameter.

9. (Currently amended) The breathing equipment of claim 1, further comprising a water vapor condensing pipe coupled to the output device, and the water vapor condensing pipe being configured to condense the water from the gas comprising hydrogen or the positive pressure gas ~~a gas~~ outputted by the output device~~, the gas being the gas comprising hydrogen, the positive pressure gas, the gas comprising hydrogen with the atomizing gas, or the positive pressure gas with the atomizing gas~~.

10. (Original) The breathing equipment of claim 1, wherein the hydrogen generating device further comprises:

a water tank configured to accommodate the water;

an electrolysis device configured in the water tank, and configured to electrolyze the water to generate the gas comprising hydrogen;

a condense filter comprising an integrated flow channel and a filtering material configured in the integrated flow channel, the filtering material of the condense filter being configured to filter out an electrolyte from the gas comprising hydrogen, wherein the condense filter receives replenishing water to flush the electrolyte

remaining in the filtering material back to the water tank; and

a humidify device configured to accommodate the replenishing water for humidifying the gas comprising hydrogen, and provide the replenishing water to the condense filter.

11. (Original) The breathing equipment of claim 10, wherein the integrated flow channel comprises an upper cover and a lower cover, the upper cover combines with the lower cover to form a condensing flow channel, a humidifying flow channel and an output flow channel, and the lower cover is an integrally formed structure, wherein the lower cover has a condensing flow channel inlet and a condensing flow channel outlet connected with the condensing flow channel, a humidifying flow channel inlet and a humidifying flow channel outlet connected with the humidifying flow channel, and an output flow channel inlet and an output flow channel outlet connected with the output flow channel.

12. (Original) The breathing equipment of claim 11, wherein the condensing flow channel inlet communicates with the water tank to receive the gas comprising hydrogen, and the filtering material is configured in the condensing flow channel.

13. (Original) The breathing equipment of claim 11, wherein the humidify device is embedded with the lower cover to communicate with the condensing flow channel outlet and humidifying flow channel inlet, the humidify device is configured to humidify the gas comprising hydrogen and send the gas comprising hydrogen to the humidifying flow channel; the humidify device comprises a humidifying chamber and a communicating chamber, the humidifying chamber is configured to humidify the gas comprising hydrogen, the communicating chamber is configured to communicate the water tank and the condense filter, and

the communicating chamber does not communicate with the humidifying chamber.

14. (Original) The breathing equipment of claim 11, wherein the atomizing device is coupled to the output flow channel outlet.

15. (Original) The breathing equipment of claim 1, wherein the hydrogen generating device further comprises an expanded ion-exchange membrane electrolysis device comprising:

an anode plate;

a cathode plate;

a first bipolar electrode plate configured between the anode plate and the cathode plate, wherein a first ion-exchange membrane plate is accommodated between the anode plate and the first bipolar electrode plate, and a second ion-exchange membrane plate is accommodated between the cathode plate and the first bipolar electrode plate; and

a first oxygen chamber adjacent to the anode plate, a first hydrogen chamber adjacent to the cathode plate, a second oxygen chamber adjacent to an anode surface of the first bipolar electrode plate, and a second hydrogen chamber adjacent to a cathode surface of the first bipolar electrode plate; wherein the first oxygen chamber communicates with the second oxygen chamber through an oxygen outlet channel, and the first hydrogen chamber communicates with the second hydrogen chamber through a hydrogen outlet channel.

16. (Original) The breathing equipment of claim 15, wherein the expanded ion-exchange membrane electrolysis device further comprises:

a second bipolar electrode plate configured between the anode plate and the cathode plate, wherein a third oxygen chamber is adjacent to an anode surface of the second bipolar electrode plate, and a third hydrogen chamber is adjacent to a cathode surface of the second bipolar electrode plate;

wherein the third oxygen chamber communicates with the first oxygen chamber and the second oxygen chamber through the oxygen outlet channel, and the third hydrogen chamber communicates with the first hydrogen chamber and the second hydrogen chamber through the hydrogen outlet channel.

17. (Original) The breathing equipment of claim 15, wherein the expanded ion-exchange membrane electrolysis device further comprises an oxygen conduit and a hydrogen conduit, wherein the oxygen outlet channel penetrates the cathode plate or the anode plate to connect to the oxygen conduit, and the hydrogen outlet channel penetrates the cathode plate or the anode plate to connect to the hydrogen conduit.

18. (Currently amended) A breathing equipment for providing a positive pressure gas, comprising:

a gas channel;

a hydrogen generating device coupled to the gas channel and configured to electrolyze water to generate a gas comprising hydrogen and oxygen;

a pressurizing device coupled to the gas channel and configured to selectively accelerate an external gas to generate an accelerating gas;

a monitoring device coupled to the pressurizing device, and configured to detect a gas signal to control the pressurizing device

to generate the accelerating gas; and

a mixing device coupled to the gas channel and configured to mix the gas comprising hydrogen and oxygen with the accelerating gas to generate a positive pressure gas; ~~and~~

~~an atomizing device coupled to the gas channel and configured to selectively generate an atomizing gas to be mixed with the positive pressure gas.~~

wherein, the monitoring device is configured to sense a breathing frequency of a user, and the breathing equipment generates the positive pressure gas based on the breathing frequency; and

a trigger switch configured for a user to choose whether to activate the pressurizing device and selectively generate a trigger signal.

19. (Currently amended) A breathing equipment for providing positive pressure gas, comprising: ~~The breathing equipment of claim 18, wherein the monitoring device is configured to sense a breathing frequency of a user, and the breathing equipment periodically generates the positive pressure gas based on the breathing frequency.~~

a gas channel;

a hydrogen generating device coupled to the gas channel and configured to electrolyze water to generate a gas comprising hydrogen and oxygen, the hydrogen generating device further comprising:

a water tank configured to accommodate the water;

an electrolysis device configured in the water tank, and

configured to electrolyze the water to generate the gas comprising hydrogen and oxygen into the water tank;

a condense filter configured above the water tank to receive the gas comprising hydrogen and oxygen from the water tank and filter out an electrolyte from the gas comprising hydrogen and oxygen;

a humidify device configured above the water tank to receive the gas comprising hydrogen and oxygen from the condense filter; and

an integrated flow channel device configured above the water tank, wherein the gas comprising hydrogen and oxygen is transmitted among the water tank, the condense filter and the humidify device through the integrated flow channel device;

a pressurizing device coupled to the gas channel and configured to selectively accelerate an external gas to generate an accelerating gas;

a monitoring device coupled to the pressurizing device, and configured to detect a gas signal to control the pressurizing device to generate the accelerating gas; and

a mixing device coupled to the gas channel and configured to mix the gas comprising hydrogen and oxygen with the accelerating gas to generate a positive pressure gas.

20. (Currently amended) The breathing equipment of claim 18, further comprising:

a first one-way valve and a first flame arrestor configured between the hydrogen generating device and the mixing device;

a second flame arrestor configured between ~~the~~ an output device and the mixing device; and

a second one-way valve configured between the pressurizing device and the mixing device.

21. (Currently amended) The breathing equipment of claim 18, further comprising an atomizing device coupled to the gas channel and configured to selectively generate an atomizing gas to be mixed with the positive pressure gas, wherein the atomizing device or the pressurizing device has a heating function, to raise the temperature of the atomizing gas or the accelerating gas.

22. (Original) The breathing equipment of claim 18, wherein the hydrogen generating device further comprises:

a water tank configured to accommodate the water;

an electrolysis device configured in the water tank, and configured to electrolyze the water to generate the gas comprising hydrogen and oxygen;

a condense filter comprising an integrated flow channel and a filtering material configured in the integrated flow channel, the filtering material of the condense filter being configured to filter out an electrolyte from the gas comprising hydrogen and oxygen; and

a humidify device configured to accommodate replenishing water for humidifying the gas comprising hydrogen and oxygen;

wherein the condense filter receives the replenishing water from the humidify device to flush the electrolyte filtered by the condense filter back to the water tank.

23. (Original) The breathing equipment of claim 22, wherein the integrated flow channel comprises an upper cover and a lower cover, the upper cover combines with the lower cover to form a condensing flow channel, a humidifying flow channel and an output flow channel, and the lower cover is an integrally formed structure, wherein the lower cover has a condensing flow channel inlet and a condensing flow channel outlet connected with the condensing flow channel, a humidifying flow channel inlet and a humidifying flow channel outlet connected with the humidifying flow channel, and an output flow channel inlet and an output flow channel outlet connected with the output flow channel; the condensing flow channel inlet is connected to the water tank to receive the gas comprising hydrogen and oxygen; the humidify device is embedded with the lower cover to respectively communicate with the condensing flow channel outlet and humidifying flow channel inlet to humidify the gas comprising hydrogen and oxygen and send the gas comprising hydrogen and oxygen to the humidifying flow channel.