What is claimed is:

1. A hydrogen generator capable of selectively adjusting gas flow direction, comprising:

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

   a hydrogen water cup configured for containing liquid and injecting the gas comprising hydrogen into the liquid to form hydrogen liquid;

   an integrated passageway device stacked above the electrolytic module, comprising a gas inlet passageway, a gas outlet passageway and a gas communication passageway, wherein the gas inlet passageway is configured to receive the gas comprising hydrogen, and the gas outlet passageway is configured to output the gas comprising hydrogen; and

   an automatic diversion device configured to selectively connect the gas inlet passageway, the hydrogen water cup and the gas outlet passageway for injecting the gas comprising hydrogen into the hydrogen water cup and then outputting the gas comprising hydrogen through the gas outlet passageway, or configured to selectively connect the gas inlet passageway, the gas communication passageway, and the gas outlet passageway for outputting the gas comprising hydrogen through the gas communication passageway and the gas outlet passageway.

2. 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 is capable of selectively generating an atomized gas and mix the atomized gas with the gas comprising hydrogen to form a healthy gas.

3. The hydrogen generator of claim 2, wherein when the gas comprising hydrogen is injected into the hydrogen water cup and then outputted through the gas outlet passageway, the nebulizer generates the atomized gas; when the gas comprising hydrogen is outputted through the gas communication passageway and the gas outlet passageway, the nebulizer stops generating the atomized gas.

4. The hydrogen generator of claim 1, further comprising a condensate filter coupled

to the integrated passageway device for condensing and filtering the gas comprising hydrogen; wherein the integrated passageway device comprises a lower cover, and the lower cover has a space for accommodating the condensate filter; the lower cover has a flip structure for the condensate filter to be moveably embedded into the integrated passageway device; wherein the gas comprising hydrogen is transferred among the hydrogen water cup, the automatic diversion device, and the condensate filter by the integrated passageway device; the lower cover is an integral formed structure, and the automatic diversion device and the condensate filter are directly coupled to the lower cover.

5. The hydrogen generator of claim 4, further comprising:

a water tank stacked below the integrated passageway device and coupled to the electrolytic module, configured for accommodating the water and receiving the gas comprising hydrogen from the electrolytic module;

a humidification cup stacked above the water tank and having a humidification room and a filter room, wherein the humidification room is configured to accommodate supplementary water; and

a filter rod accommodated in the filter room for filtering the gas comprising hydrogen flowing through the filter room;

wherein the gas comprising hydrogen is transferred among the hydrogen water cup, the automatic diversion device, the condensate filter, the humidification cup, and the filter rod by the integrated passageway device, and the automatic diversion device, the condensate filter, and the humidification cup are directly coupled to the lower cover.

6. The hydrogen generator of claim 2, further comprising a filter device pluggably coupled to the nebulizer for filtering germs in the gas comprising hydrogen.

7. A hydrogen generator capable of selectively adjusting gas flow direction, comprising:

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

a water tank configured to accommodate the water and the electrolytic

module for receiving the gas comprising hydrogen from the electrolytic module;

a condensate filter stacked above the water tank for receiving and filtering the gas comprising hydrogen;

a humidification cup stacked above the water tank, configured to accommodate a supplementary water and humidify the gas comprising hydrogen;

an integrated passageway device stacked above the water tank, comprising a plurality of channels, a gas inlet passageway, and a gas outlet passageway, wherein the gas inlet passageway is configured to receive the gas comprising hydrogen, and the gas outlet passageway is configured to output the gas comprising hydrogen;

a hydrogen water cup configured for containing liquid, wherein the hydrogen water cup is capable of receiving the gas comprising hydrogen and mixing the gas comprising hydrogen with the liquid to form hydrogen liquid;

a valve assembly configured to selectively make the gas comprising hydrogen from the water tank to flow into the condensate filter and the humidification cup, and also to selectively make the supplementary water to flow into the condensate filter and the water tank;

wherein the integrated passageway device comprises a lower cover, and the lower cover has a space for accommodating the condensate filter; the condensate filter and the humidification cup are directly coupled to the integrated passageway device;

wherein the humidification cup comprises a humidification room configured to accommodate supplementary water and a filter room accommodating a filter rod for filtering the gas comprising hydrogen flowing through the filter room.

8. The hydrogen generator of claim 7, wherein the integrated passageway device has a flip structure configured for the condensate filter to be moveably embedded into the integrated passageway device.

9. The hydrogen generator of claim 7, further comprising an automatic diversion device and a nebulizer configured to selectively generate an atomized gas and mix the atomized gas with the gas comprising hydrogen to form a healthy gas, and the integrated passageway device comprising a gas communication passageway, wherein the automatic diversion device is configured to selectively connect the gas inlet passageway, the hydrogen water cup and the gas outlet passageway for injecting the gas comprising hydrogen into the hydrogen water cup and then outputting the gas comprising hydrogen through the gas outlet passageway, or configured to selectively connect the gas inlet passageway, the gas communication passageway and the gas outlet passageway for outputting the gas comprising hydrogen through the gas communication passageway and the gas outlet passageway; wherein the gas comprising hydrogen is transferred among the condensate filter, the humidification cup, the hydrogen water cup, the nebulizer, the valve assembly and the automatic diversion device by the integrated passageway device, and the condensate filter, the humidification cup, the nebulizer and the automatic diversion device are directly coupled to the integrated passageway device.

10. The hydrogen generator of claim 9, wherein when the automatic diversion device connects the gas inlet passageway, the gas communication passageway and the gas outlet passageway for outputting the gas comprising hydrogen through the gas communication passageway and the gas outlet passageway, the nebulizer stops the operation.

11. The hydrogen generator of claim 7, wherein the hydrogen water cup is directly coupled to the integrated passageway device.

12. A hydrogen generator capable of selectively adjusting gas flow direction, comprising:

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

a water tank configured to accommodate the water and the electrolytic module for receiving the gas comprising hydrogen from the electrolytic module;

a condensate filter stacked above the water tank for receiving and filtering the gas comprising hydrogen;

a humidification cup stacked above the water tank, configured to accommodate a supplementary water and humidify the gas comprising hydrogen;

an integrated passageway device stacked above the water tank, comprising a plurality of channels, a gas inlet passageway, and a gas outlet passageway, wherein the gas inlet passageway is configured to receive the gas comprising hydrogen, and the gas outlet passageway is configured to output the gas comprising hydrogen;

a valve assembly configured to selectively make the gas comprising hydrogen from the water tank to flow into the condensate filter and the humidification cup, and also to selectively make the supplementary water to flow into the condensate filter and the water tank; and

a fining device configured in the humidification cup, wherein the fining device comprises a communicating column and a fining base plate, and the fining base plate comprises a fining channel and a plurality of fining pores; wherein the sectional area of the fining channel is non-uniform.

13. A hydrogen generator capable of selectively adjusting gas flow direction, comprising:

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

a water tank configured to accommodate the water and the electrolytic module for receiving the gas comprising hydrogen from the electrolytic module;

a condensate filter stacked above the water tank for receiving and filtering the gas comprising hydrogen;

a humidification cup stacked above the water tank, configured to accommodate supplementary water and humidify the gas comprising hydrogen; and

an integrated passageway device stacked above the water tank and directly coupled to the condensate filter and the humidification cup;

wherein the gas comprising hydrogen is transferred between the condensate filter and the humidification cup by the integrated passageway device;

wherein the humidification cup comprises a humidification room configured to accommodate supplementary water and a filter room accommodating a filter rod for filtering the gas comprising hydrogen flowing through the filter room, and the humidification room and the filter room are separated.

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

a nebulizer configured to selectively generate an atomized gas and mix the atomized gas with the gas comprising hydrogen to form a healthy gas; wherein the nebulizer is directly coupled to the integrated passageway device, and the gas comprising hydrogen is transferred among the condensate filter, the humidification cup and the nebulizer by the integrated passageway device.

15. The hydrogen generator of claim 14, further comprising:

a hydrogen water cup configured for containing liquid, wherein the hydrogen water cup is capable to receive the gas comprising hydrogen and mix the gas comprising hydrogen with the liquid to form hydrogen liquid; the hydrogen water cup is directly coupled to the integrated passageway device, and the gas comprising hydrogen is transferred among the condensate filter, the humidification cup, the hydrogen water cup and the nebulizer by the integrated passageway device.