

A GAS GENERATOR

ABSTRACT

The present invention provides a gas generator, comprising a water tank and an electrolysis device. The water tank has a first hollow portion for containing electrolyzed water. The electrolysis device is disposed inside the first hollow portion of the water tank for electrolyzing the electrolyzed water to generate a hydrogen-oxygen mixed gas. When the electrolysis device starts to electrolyze the electrolyzed water, the first hollow portion of the water tank is filled with the electrolyzed water for standing at a full level of water. And after the electrolysis device electrolyzed the electrolyzed water, the level of water for the electrolyzed water filled into the first hollow portion of the water tank is higher than 95% of the full level of water. The gas generator of the present invention provides the design for saving space and nearly a zero gas chamber to reduce the possibility of explosions resulting from hydrogen-oxygen mixed gas.

(Fig. 1A)