

ELECTROLYSIS DEVICE FOR PREPARATION OF HYPOCHLOROUS WATER

ABSTRACT

An electrolysis device for preparation of hypochlorous water is provided, comprising an electrolytic cell, and cathodic and anodic electrolytic sheets arranged in the electrolytic cell, wherein the electrolytic cell is separated to form an inner tank for containing hydrochloric acid and an outer tank for circulating tap water, a central portion of the inner tank is sealed and separated relative to the outer tank, and a chlorine discharge outlet connected to the outer tank is provided at the upper end of the inner tank; the cathodic and anodic electrolytic sheets are located on both sides of the inner tank. The electrolysis device without a membrane utilizes tap water and hydrochloric acid as raw materials, having an inner tank for containing hydrochloric acid and an outer tank for circulating tap water. Chlorine generated through electrolysis of hydrochloric acid is discharged from the chlorine discharge outlet and combined with tap water in the outer tank to generate hypochlorous acid. This electrolysis device has simple structure, and can effectively improve productivity of hypochlorous water. Hypochlorous water produced by this electrolysis device has functions of sterilization and environmental protection.

Fig. 1