

The utility model relates to liquid level control during operation of a magnesium electrolytic cell in a molten salt electrolysis process for producing magnesium, and particularly to an automatic liquid level control device for a magnesium electrolytic cell. The automatic liquid level control device for a magnesium electrolytic cell comprises a pressure transmitter, an inlet solenoid valve and an exhaust solenoid valve that are respectively connected to a programmable controller, wherein the programmable controller is further connected to a computer, to form the automatic liquid level control device for a magnesium electrolytic cell. In the utility model, the automatic liquid level control device for a magnesium electrolytic cell is employed, to achieve the purpose of automatically controlling the liquid levels in multiple magnesium electrolytic cells, so as to improve the liquid level control precision of the magnesium electrolytic cells, thereby increasing the current efficiency and decreasing the power consumption per unit of metal magnesium. An upper computer (the computer) can display the liquid levels of all of the magnesium electrolytic cells on the same panel, so as to realize the centralized monitoring of the liquid levels of all of the magnesium electrolytic cells. Manual control of the liquid level in the magnesium electrolytic cell is replaced by automatic control, so that the number of operating workers in the site can be reduced.