

Abstract

Provided are a heat exchange apparatus (100), and a heat exchange method therefor and a vapour deposition device thereof. The heat exchange apparatus (100) is used for performing cooling processing on a target object to be cooled, and comprises a heat exchanger (108), cooling water channels (111), water circulation channels (30, 40) and switchers (201, 202), wherein the cooling water channels (111) are used for realizing heat exchange between cooling water and the heat exchanger (108), the water circulation channels (30, 40) are used for performing temperature control on the target object to be cooled, and the switchers (201, 202) are used for disconnecting the water circulation channels (30, 40) from the target object to be cooled, and at the same time realizing the connection between the cooling water channels (111) and the target object to be cooled. In addition to normally realizing circulation cooling through the heat exchanger (108), the heat exchange apparatus (100) can also realize cooling with the cooling water provided by a cooling water inlet pipe (110) when the heat exchanger fails, thereby ensuring that the target object to be cooled, in particular a process cavity, can be subjected to effective cooling in any circumstances, so as to ensure normal production.