

ABSTRACT

ULTRAFINE BUBBLE MANUFACTURING UNIT AND ULTRAFINE BUBBLE WATER MANUFACTURING DEVICE

An ultrafine bubble water manufacturing device 1 includes a whirlpool pump 3, an ejector 4, a cascade pump 6, a branch portion P on the downstream side of the cascade pump 6, a return path 7 which communicates from the branch portion P between the ejector 4 and the cascade pump 6, a flow rate adjusting valve 9 and a first ultrafine bubble manufacturing unit 2A interposed in the return path 7, an emission path 8 which communicates with the branch portion P, a second ultrafine bubble manufacturing unit 2B interposed in the emission path 8 and a control device 13. The control device 13 controls an air amount adjusting valve 5, the whirlpool pump 3, the cascade pump 6 and the flow rate adjusting valve 9 based on the measurement values of a concentration meter 10 for the emission path 8 and first and second pressure gauges 11 and 12 on the downstream and upstream sides of the cascade pump 6.