



A B S T R A C T

A filtration device (10) is provided with a filter tank (11), filter medium unit (12), magnet (19), and submerged air discharging mechanism (50). The filter medium unit (12) includes a large number of magnetic filter medium granules (31) formed of metal balls. When the magnet (19) is in a first position, the magnetic filter medium granules (31) magnetically attract one another. When the magnet (19) is moved to a second position, the magnetic filter medium granules (31) are released from the mutual magnetic attraction. In cleaning the magnetic filter medium granules (31), a clean fluid (Q2) located above the magnetic filter medium granules (31) is poured between the magnetic filter medium granules (31). In cleaning the magnetic filter medium granules (31), the submerged air discharging mechanism (50) ejects air (57) into the clean fluid (Q2) above the magnetic filter medium granules (31) and toward the magnetic filter medium granules (31). The clean fluid (Q2) above the magnetic filter medium granules (31) is urged toward the magnetic filter medium granules (31) and air bubbles are introduced into the clean fluid (Q2) by the ejected air (57). As this clean fluid (Q2) flows downward between the magnetic filter medium granules (31), the magnetic filter medium granules (31) are cleaned.

