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(54) Title: COAGULATOR

(57) Abstract

A front packing medium accumulation layer (90) and a downstream packing medium accumulation layer (44) which are separated by a lower outflow prevention plate (40) are arranged within a coagulation tank (80). The superficial water passage velocity within the front packing medium accumulation layer (90) is so set as to be larger than the downstream packing medium accumulation layer (44). A floc drawoff pipe (98) is provided for drawoff flocs over the lower outflow prevention plate (40). The interface between a floc blanket which may be formed between the lower outflow preventing plate (40) and the upper packing medium accumulation layer (44) and water thereabove is detected by an interface meter (100) so that a flow regulating valve (102) is correspondingly controlled to regulate the flow rate of the flocs. This prevents any grown floc blanket from reaching the downstream packing medium accumulation layer (44). The cleaning interval of the downstream packing medium layer (44) is thus elongated, ensuring a long-term stable outflow of high quality treated water.

