

ABSTRACT

A problem is to solve problems on removal of solids by a screen and on an installation space and pipe connection in a separator. A solution to the problem is as follows. A separator 1, which is a device for separating solids contained in influent liquid, has a separation tank 2; a partition plate 5 partitioning an inside space of the separation tank 2 into an inflow chamber 3 and an outflow chamber 4; a screen 8 provided at the partition plate 5; a liquid inlet 6 formed at the inflow chamber 3; and a discharge outlet 7 formed at the outflow chamber 4; the inflow chamber 3 is provided with a guide unit 9, 10, 10a for forming a vertical swirling flow in the inflow chamber 3 by reversing the influent liquid from the liquid inlet 6; the screen 8 is disposed along a side face of the swirling flow thus formed. This configuration permits the solids to be removed, without clogging the screen with the solids.



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