

## Description

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### Sediment Loop

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The Sediment Loop consists of a filter vessel fitted to the outlet tank of an flow channel and a sediment discharge unit fitted in the channel, the two units are connected by the sediment tube. The sediment loop pump is controlled by a control box hung on the FC300 instrument frame. Sediment is placed in the vessel where there is a pump that can pump sediment from the vessel along the sediment tube to the sediment discharge unit placed in the channel upstream of a sediment bed. A mixture of sediment and water from the sediment vessel is pumped through the tube and out of the nozzle. The whole apparatus allows sediment to be replenished in the channel. Any sediment that is washed into the channel transfer duct is caught in the sediment vessel ready to be re-circulated.

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