

HIGH SOLIDS WATER RECOVERY SYSTEM

MODEL HSWR - CUT SHEET

SYSTEM DESCRIPTION

The HSWR System is a turn-key high solids filtration system. The system is able to receive high solids loaded process water with TSS greater than 15,000 ppm and output water with significantly reduced TSS and BOD. The fluid is first filtered by an outside-to-in flow drum screen where a bulk of the large particles is removed from the flow. The effluent of the drum screen is then fed into a 200-gallon tank before it is pumped to the 25µm automatic filter. The automatic filter further reduces the TSS and BOD by up to 50% and 30%, respectively. The automatic filter purge is then fed into a spiral compactor along with the screened waste from the drum screen. The effluent from the automatic filter is the system effluent and can be diverted to be sent to local municipalities with reduced TSS and BOD, or it can be diverted to a temporary holding tank and used in other plant processes. The drain fluid from the spiral compactor is processed out of the system as waste. In food systems, the collected biomass that is recovered from the outlet of the spiral compactor can be used in secondary market purposes.

