HIGH RATE SOLIDS CONTACT CLARIFIER (HRSCC)

The raw / Wastewater, coagulants and large quantities of re-circulating precipitates are thoroughly mixed and are retained in intimate contact for prolonged period of time in the draft tube and cone sections of the clarifier. The intimate contact causes the chemical reactions to proceed at a rate with a minimum of coagulants. Further by containing the water with the great volumes of precipitates in circulation, maximum clarification of the water can be obtained by the adsorptive properties of the precipitates or flocs formed.