

Model SST Hydrokleen™

The Hydrokleen Solids Settling Tank (SST) is an asset for any wastewater recycling or discharge application where Total Suspended Solids (TSS) are a concern. The SST can greatly reduce downstream maintenance by solids reduction as the first step in filtration.

Standard Features:

- Gravity flow through design
- Flow rates up to 50 GPM
- Passive/active gravity solids separation
- Self-cleaning tank makes solids removal easy
- Overflow protection
- Optional continuous solids removal in conjunction with a CMAFU-2



Options and Accessories	
Tank & Frame Options	
*1WH559	210 Gallon Tank: (34" L x 33" W x 93 ½" H, Weight 550-lbs)
1WI560	500 Gallon Tank: (51" L x 52" W x 88" H, Weight 696-lbs)
2RM067	1050 Gallon Tank: (84" L x 84" W x 101" H, Weight 725-lbs)
Inlet Control Options, Hydrokleen	
*2KF172	No Inlet Control, Flow Through System
2KE165	115 Volt 60 Hz
2KE166	220 Volt 50 Hz
Inlet Fittings/Plumbing Connections	
*2KL239	Single Inlet Feed, 1.5" FPT
2KM240	Single Inlet Feed, 3/4" FPT
2KE169	Dual Inlet Feed, 1.5" FPT
Discharge Options	
*2KF176	Gravity Discharge, 1.5" FPT
1WF531	Gravity Discharge, 3" FPT
2EW785	Grommet For 3" PVC Pipe Gravity Outlet
2CG108	Pump Discharge 115 Volt 60 Hz
2KH190	Pump Discharge 220 Volt, 50 Hz
Drain Line Control Valves	
*1WV697	Drain, Manual Valve, 1.5"
1ZJ359	Drain, W/Motorized Ball Valve
Drain Line Connections	
2KF174	Drain, W/Single 1.5" FPT
2KF175	Drain, W/Dual 1.5" FPT
Solids Polishing Option	
1WV698	Polishing Loop W/60 Hz Pump, Requires CMAFU-2
2KD154	Polishing Loop W/50 Hz Pump, Requires CMAFU-2
Biological Odor Control	
2AR691	Auto Doser For Biodigester W/AC Adapter

NOTE: *Standard

How the Hydrokleen™ (SST) System Works:

Wastewater is transferred to the SST from any wash pad central collection point. Slurry enters the system at a quiescent feed tube where fluid velocity is slowed and particle density separation begins. Process flow transcends downward through a tube then makes a 180-degree transition vertically into a large clarification zone. Velocity reduction and flow reversal transition design of the SST combine to maximize gravitational separation and solids settling. Clarified liquid is skimmed from the surface at the discharge point. Solids accumulation at tank cone bottom are either periodically purged for downstream accumulation or optionally pumped to a Hydrokleen CMAFU-2 for filtration.