

Hydrokleen™ SST

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

Standard Features:

- Gravity flow through design
- Flow rates of 25 and 50 GPM
- Passive/active gravity solids separation
- Self-cleaning tank makes sludge removal easy
- Overflow protection device
- Optional continuous solids removal to 5 micron nominal w/ continuous media automatic filtration unit (CMAFU-2)
- Factory assembled and tested



Options and Accessories	
Tank & Frame Options	
*1WH559	210 Gallon Tank
1WI560	500 Gallon Tank
Inlet Control Options, Hydrokleen	
*2KF172	No Inlet Control, Flow Through System
2KE165	Float Switch, SPST, NC, Maximum ½ HP, 115 Volt 60 Hz
2KE166	Float Switch, DPST, NC, Maximum ½ HP, 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	Sump Pump Discharge, 1.5", 1/3 HP, 115 Volt 60 Hz
2KH190	Sump Pump Discharge, 1.5", 1/3 HP, 220 Volt, 50 Hz
Drain Line Control Valves	
*1WV697	Sludge Drain, Manual Valve, 1.5"
1ZJ359	Sludge Drain, W/MBV, Requires Connection To PLC
Drain Line Connections	
2KF174	Sludge Drain, W/Single 1.5" FPT
2KF175	Sludge 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: * reflects the standard

Specifications

Dimension: 210 tank option, 34" x 44" x 86.5"H
500 tank option, 51" x 52" W x 86.5"H

How the Hydrokleen™ (SST) Oil Coalescing System Works:

When below ground water storage is inadequate for solids settling, above ground solids settling becomes very useful. Water is pumped from any collection point to the SST. Wastewater is direct through a liquid quieting well tube where its velocity is slowed to as low as 3 FPM, the wastewater is forced reverse course 180 degrees in order to exit the SST allowing solids settle to the bottom. Clarified wastewater drawn through a cascade collection system and directed to the exit port. The SST flow is governed by gravity and is self regulating. Its self cleaning cone bottom tank can be manually or automatically purged, depending on the system configuration. The addition of the optional CMAFU-2 polishing loop continuously removes accumulated sludge from the bottom of the SST. During periods of low flow the CMAFU-2 polishing loop super cleans the wastewater to <5 microns nominal.

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12/4/2006 This specification is subject to change without notice.