

Model HE/7000 Hydrokleen™

The Hydrokleen HE/7000 is designed to filter wastewater for recycle wash applications or for approved discharge. System requires no in ground storage for operation. Filtration capacity of 12-GPM continuous is achieved with the HE/7000.

Standard Features:

- Gravity flow through design
- Overflow protection
- Self-cleaning tanks
- 76,896 sq. in. of oil coalescing plates
- Oil belt skimmer with oil/water decanter
- Polishing loop for fine solids or hydrocarbon removal
- 2nd polishing loop for fine solids, hydrocarbon, metals and chemical removal
- PLC controls start up, daily operation and maintenance functions
- Options include data logging, remote notification and more



Options and Accessories		Monitoring Devices, CONTINUED	
Tank & Frame Options		2TU665	Air - Low Temperature
2JU067	Seismic Tank Bands, Three (3)	2TT653	pH Monitor - Active
1WI562	Full System Enclosure W/Power Vent	2TT655	Re-pressurization - Active
Electrical: Power & Controls		2TT652	Air Compressor - Active
*2BW003	230/115 Volt, 1-Phase, 60 Hz	Inlet Control Options, Hydrokleen	
1YC021	220 Volt, 1-Phase, 50 Hz	*2KI202	Inlet Pump Power Supply, 115 Volt, 60 Hz
1ZB273	Service Indicator Beacon	2KI204	Inlet Pump Power Supply, 220 Volt, 50Hz
2VK083	Touch Panel, Remote Diagnostics	Inlet Fittings/Plumbing Connections	
Monitoring Devices		*2KF170	Single Inlet Feed, 3/4" FPT
2TR639	Biodigesters - Low Level	2KE168	Single Inlet Feed, 1.5" FPT
2TU661	CMAFU-2 - Low Paper	Discharge To Process	
2TT651	Defoaming Agent - Low Level	*2KI200	No Discharge To Process
2VA982	Supply Sump Pump - Active	1VM343	Discharge To Process, 12 GPM @ 20 PSI, 1.5"
2NY145	Hydroblaster - Active	Discharge To Drain Options	
2VA983	Soap - Low Level	*2KJ215	No Discharge To Drain, No Motorized Ball Valve
2VA984	pH Chemical - Low Level	2KH198	Pressurized Outlet To Drain, W/ Motorized Ball Valve
2VA985	RST Water - Low Level	Drain Line Control Valves	
2VA986	Storage Tank - High Level	*1WV697	Drain, Manual Valve, 1.5"
2VA987	Sump - High Level	1ZJ359	Drain, W/ Motorized Ball Valve
2VA988	Side Gutter - High Level	Oil Skimming And Handling Options	
Monitoring Devices, Require LC Expansion Module		*1WH555	Hydrokleen Active Belt Oil Skimmer
2TU668	Input Expansion Module	2HW565	Hydrokleen Active Belt Oil Skimmer, 50 Hz
2TT654	Soap-Low Level	Biological Odor Control	
2TS640	pH Chemical Low Level	1UI042	Auto Dosing (Biodigesters)
2TU660	RST Water Low Level	Automatic De-Foam System	
2TT656	Storage Tank-High Level	1YB017	De-Foam Dispenser
2TT658	Sump-High Level	pH Controls	
2TT659	Side Gutter-High Level	*1VM348	No pH Monitor
2TU662	Water-High Temperature	1VM345	pH Monitor, W/Dosing Pump
2TU663	Water-Low Temperature	1VM346	pH Monitor, W/2 Dosing Pumps
2TU664	Air-High Temperature		

NOTE: *Standard

Specifications:

Dimension: 184" L X 33.5" W X 84" H Weight: 1,825-lbs

How Hydrokleen HE/7000 System Works

The Hydrokleen HE/7000 employs three (3) separate filtration processing steps. (1) Oil Coalescing and skimming for free oil recovery. (2) High-rate media polishing loop #1 for tertiary solids capture and target contaminant removal. (3) High-rate media polishing loop #2 for additional tertiary capture and contaminant recovery. Hydrokleen HE/7000 can also incorporate several supplementary features to include pH monitoring and control, biological dosing for organics and odor control, anti-foam additive dosing, data logging, alert notifications, remote data access and more. Contact a Hydro Engineering, Inc. project manager for complete system design and application assistance.



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