

# Hydrokleen™ HE/7000

The Hydrokleen HE/7000 not only removes free oils within over 76,000 square inches of oil coalescing plate area, but the HE/700 is also capable of targeting and removing contaminants that your POTW require elimination prior to discharge. This is the perfect system to get you into discharge compliance or total recycling of your waste water.

## Standard Features:

- Overflow protection
- Self-cleaning tanks
- Gravity flow through design
- Primary solids incline tank
- 76,896 sq. in. of oil coalescing plates
- Oil belt skimmer with oil/water decanter
- Polishing loop with job targeted media
- Polishing loop with second job targeted media
- Factory assembled and tested
- PLC controls start up, daily operation and maintenance functions



Options and Accessories	
<b>Tank &amp; Frame Options</b>	
2JU067	Seismic Tank Bands, 3 Each.
1WI562	Full System Enclosure W/Power Vent
<b>Electrical: Power &amp; Controls</b>	
*2BW003	230/115 Volt 1 Phase, 60 Hz
1YC021	220 Volt, 1 Phase, 50 Hz
1ZB273	Service Indicator Beacon
<b>Inlet Control Options, Hydrokleen</b>	
*2KI202	Inlet Pump Power Supply, Maximum ½ HP, 115 Volt, 60 Hz
2KI204	Inlet Pump Power Supply, Maximum ½ HP, 220 Volt, 50Hz
<b>Inlet Fittings/Plumbing Connections</b>	
*2KF170	Single Inlet Feed, 3/4" FPT
2KE168	Single Inlet Feed, 1.5" FPT
<b>Discharge To Process</b>	
*2KI200	No Discharge To Process
1VM343	Discharge To Process, 12 GPM @ 20 PSI, 1.5"
<b>Discharge To Drain Options</b>	
*2KJ215	No Discharge To Drain, No Motorized Ball Valve
2KH198	Pressurized Outlet To Drain, W/ Motorized Ball Valve
<b>Drain Line Control Valves</b>	
*1WV697	Sludge Drain, Manual Valve, 1.5"
1ZJ359	Sludge Drain, W/ Motorized Ball Valve
<b>Oil Skimming And Handling Options</b>	
*1WH555	Hydrokleen Active Belt Oil Skimmer
2HW565	Hydrokleen Active Belt Oil Skimmer, 50 Hz
<b>Biological Odor Control</b>	
1UI042	Auto Dosing (Biodigesters)
<b>Automatic De-Foam System</b>	
1YB017	De-Foam Dispenser
<b>pH Controls</b>	
*1VM348	No pH Monitor
1VM345	pH Monitor, W/Dosing Pump
1VM346	pH Monitor, W/2 Dosing Pumps

NOTE: \* reflects the standard

## Specifications

Dimension: 174" L X 34" W X 75" H Weight: 1,702 lbs..

## How The HE/7000 System Works:

The HE/7000 is designed with three complete modules: (1) oil, water separation; (2 & 3) polishing loops which can be targeted to hydrocarbons, metals or fine solids.. As dirty water enters the HE/7000, it slows down allowing solids to fall to the bottom of the coalescing tank and oil water separation to begin. Gravity causes the oily water to flow through 76,896 square inches of oil coalescing plates. These plates allow the oil to gather together into large droplets where they can float to the surface and be mechanically skimmed with a belt skimmer from the water. Virtually oil-free water then flows into a multi media-polishing loop, which is customer specific for contaminant elimination and then again into the final polishing loop for additional contaminant elimination. Dual polishing loops circulate water at 50 GPM assuring multiple passes through these contaminant specific medias which prepares the water for recycle or sewer discharge.

 <b>HYDRO</b> <small>ENGINEERING</small>	865 West 2600 South, Salt Lake City, UT 84119 Phone 800-247-8424 or 801-972-1181 Fax 801-972-3265
	<b>HYDROBLASTERS - HYDROKLEEN - HYDROPAD</b> <a href="http://www.hydroblaster.com">www.hydroblaster.com</a>

1/7/2008, This specification is subject to change without notice.