

Model HE/8000 Hydrokleen™

The Hydrokleen HE/8000 is designed to filter wastewater for recycle wash applications or for approved discharge. System requires no in ground storage for operation. Filtration capacity of 25-GPM continuous is achieved with the HE/8000.

Standard Features:

- Gravity flow through design
- Overflow protection
- Self-cleaning tanks
- 230,000 sq. in. of oil coalescing plates
- Oil belt skimmer with oil/water decanter
- Polishing loop for fine solids, emulsified oils and hydrocarbon removal
- 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 | |
|--|----------------------------------|--|--|
| Electrical: Power & Controls | | 2TT655 | Re-pressurization - Active |
| *1ZQ420 | 230/115 Volt, 1-Phase, 60 Hz | 2TT652 | Air Compressor - Active |
| 2KK225 | 220 Volt, 1-Phase, 50 Hz | Inlet Control Options, Hydrokleen | |
| 1ZB273 | Service Indicator Beacon W/Mount | *2KI202 | Inlet Pump Power Supply, 115 Volt, 60Hz |
| 2VK083 | Touch Panel, Remote Diagnostics | 2KI204 | Inlet Pump Power Supply, 220 Volt, 50Hz |
| Monitoring Devices | | Inlet Fittings/Plumbing Connections | |
| 2TR639 | Biodigesters - Low Level | *2KE168 | Single Inlet Feed, 1.5" FPT |
| 2TU661 | CMAFU-2 - Low Paper | 2KF170 | Single Inlet Feed, 3/4" FPT |
| 2TT651 | De-foaming Agent - Low Level | 2KE169 | Dual Inlet Feed, 1.5" FPT |
| 2VA982 | Supply Sump Pump - Active | 2KI205 | 3" Pipe, PVC, For Gravity Feed |
| 2NY145 | Hydroblaster - Active | Discharge To Process | |
| 2VA983 | Soap - Low Level | *2KI200 | No Discharge To Process |
| 2VA984 | pH Chemical - Low Level | 2KI201 | Discharge To Process, 20 PSI @ 25 GPM |
| 2VA985 | RST Water - Low Level | Discharge To Drain Options | |
| 2VA986 | Storage Tank - High Level | *2KJ215 | No Discharge To Drain |
| 2VA987 | Sump - High Level | 2KH198 | Pressurized Outlet To Drain |
| 2VA988 | Side Gutter - High Level | Drain Line Control Valves | |
| Monitoring Devices, Require LC Expansion Module | | *1WV697 | Drain, Manual Valve, 1.5" |
| 2TU668 | Input Expansion Module | 1ZJ359 | Drain, W/ Motorized Ball Valve |
| 2TT654 | Soap - Low Level | Oil Skimming And Handling Options | |
| 2TS640 | pH Chemical - Low Level | *2AL638 | Active Belt Oil Skimmer, 115 Volt, 60 Hz |
| 2TU660 | RST Water - Low Level | 2KC143 | Active Belt Oil Skimmer, 220 Volt, 50 Hz |
| 2TT656 | Storage Tank - High Level | Biological Odor Control | |
| 2TT658 | Sump - High Level | 1UI042 | Auto Dosing(Biodigesters) |
| 2TT659 | Side Gutter - High Level | Automatic De-Foam System | |
| 2TU662 | Water - High Temperature | 1YB017 | De-Foam Dispenser |
| 2TU663 | Water - Low Temperature | pH Controls | |
| 2TU664 | Air - High Temperature | *1VM348 | No pH Monitor |
| 2TU665 | Air - Low Temperature | 1VM345 | pH Monitor, W/Dosing Pump |
| 2TT653 | pH Monitor -Active | 1VM346 | pH Monitor, W/2 Dosing Pumps |

NOTE: * Standard

Specifications:

Dimension: 186" L X 33.5" W X 102" H

Weight: 2,230-lbs

How Hydrokleen HE/8000 System Works

The Hydrokleen HE/8000 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/8000 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.