

# Extreme Clean

## Features:

- High volume filtration capacity
- Dual multi media filtration systems
- Self-purging sludge settling tanks
- Automatic back flush systems
- Gravity flow through design
- Primary solids incline tank
- Extensive oil coalescing for free oil removal
- Active oil skimming system
- Polishing loop for emulsified oil removal
- Polishing loop for fines and metals removal
- Biological odor control / Hydro Biodigesters
- Factory assembled and tested
- Automatic discharge system
- Easily integrated into existing systems

## Benefits:

- With its gravity flow through design the unit can never interrupt car washing (even when turned off)
- 5-micron primary solids removal reduces media filter solids loading while increasing capacity and filter life
- Media filter changes are only every 40-50,000 cars
- Self-cleaning tanks – eliminate manual cleanout, lengthen service intervals and speed servicing
- Multiple polishing loops provide maximum oils, grease, heavy and light hydrocarbon removal
- High flow rates of 50+ gpm continuous
- No cartridge filters to stock and change
- Continuous pump operation eliminates control devices, surging, pump wear and improves filtration
- Total odor elimination – recycled water will not stink

## How it Works:

This Hydrokleen system is designed to handle water recycling in automatic and self-service car wash applications without interruption of washing, no lost revenue. Water is pumped from the in-ground sump and discharged to the Extreme Clean. Wastewater then flows into a primary solids settling tank and (by gravity) onto an oil coalescing system with 420,000 sq. in. of self-cleaning oil coalescing material. Here oils are separated, skimmed and decanted for disposal. By gravity water enters the first of two multi media polishing loop systems, where water is passed at 100 gpm multiple times through Hydrosorb media. This reduces light and emulsified hydrocarbons to less than 10 ppm. Again, by gravity water flows to a second polishing loop with activated carbon for addition hydrocarbon and metals removal. In the polishing loop water is circulated at 100 GPM assuring multiple passes through the job specific media. Filtered water is pressurized back to the washing equipment at 40 + gpm and 20 psi for reuse. Excess water from rinsing passes automatically (by gravity) from the system to sanitary sewer. Automatic back flush cycles are on demand or at timed intervals.

1. Specifications are effective November 27, 2002. 2. Specifications are subject to change without notice.

**Applications: High volume recycling system, for use with automatic and hand held car washes**



## Specifications:

- Dimensions: 18' X 3' X 7.2' H
- Electrical: 220 V, 1 ph 30 Amps
- Flow rates: 40 GPM continuous duty
- Hydrocarbon red: to <10 PPM
- Outflow to wash: 1 1/2" pipe con.
- Outflow pressure 15 PSI
- Polishing rates: 2 x 100 GPM
- Tank capacity(s): (4) x 230 gals.



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